



**Global Environmental
Compliance & Sustainability**

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Reference No. 013968

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Dear Mr. Ramanauskas:

Re: Construction Certification Report East Plant Area Cover System – Revision 1
GM CET – Bedford Facility, IND 006036099, AOC Docket No. RCRA-05-2014-0011
RCRA Corrective Action
Bedford, Indiana

Enclosed for your review, please find a copy of the Construction Certification Report East Plant Area Cover System – Revision 1 (Report). This Report is being submitted by GHD (formerly Conestoga-Rovers & Associates, Inc.) on behalf of General Motors LLC (GM), to present the revisions made to the construction certification for the East Plant Area Cover System in accordance with the Conditions of the Administrative Order on Consent (AOC) dated August 4, 2014 (AOC Docket No. RCRA-05-2014-0011).

Should you have any questions regarding this document, please do not hesitate to contact me at (313) 510-4328.

Yours truly,

General Motors LLC

Cheryl R. Hiatt
Project Manager

Encl.

c.c.: See Attached Distribution List

GM Bedford Distribution List

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Construction Certification Report East Plant Area Cover System - Revision 1

GM CET - Bedford Facility
105 GM Drive
Bedford, Indiana

EPA ID# IND006036099
AOC Docket No. V-W-'03-C-747

Prepared for: GM LLC

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List of Acronyms and Terms

AAQMP	Ambient Air Quality Monitoring Plan
Agreement	Performance Based Corrective Action Agreement
AOC	Administrative Order on Consent
AOI	Area of Interest
Approvals	U.S. EPA and IDEM PCB Risk-Based Disposal Approvals for the Vault
ASTM	ASTM International (formerly American Society for Testing and Materials)
Ben's Quarry	Ben's Quarry, LLC
Cardno	formerly JFNew & Associates
CA	Corrective Action
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CET	Castings, Engines, and Transmissions
CFR	Code of Federal Regulations
cm/s	centimeters per second
CQA	Construction Quality Assurance
CRA	Conestoga-Rovers & Associates, Inc.
cy	cubic yards
ENTACT	ENTACT and Associates, LLC or ENTACT, LLC
Facility	GM CET Bedford Facility (including the East Plant Area)
GM	General Motors LLC
gpm	gallons per minute
GUS	Groundwater Underdrain System
GWTP	Groundwater Water Treatment Plant
H	horizontal
HASP	Health and Safety Plan
HDPE	High Density Polyethylene
IDEM	Indiana Department of Environmental Management
IM	Interim Measure
INDOT	Indiana Department of Transportation

List of Acronyms and Terms

Ingram	Ingram Quarry, LLC
LCS	leachate collection system for the East Plant Area TSCA Vault
LDS	leak detection system for the East Plant Area TSCA Vault
LLDPE	linear low density polyethylene
mg/kg	milligram per kilogram
MLC	Motors Liquidation Company
NPDES	National Pollutant Discharge Elimination System
OMM	Operation, Maintenance, and Monitoring
PCB	Polychlorinated Biphenyl
PSI	Professional Services, Inc.
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
RA	Removal Action
RCRA	Resource Conservation and Recovery Act
Report	Construction Certification Report for the East Plant Area Cover System
SES	Sevenson Environmental Services, Inc.
SSC	Site Source Control
TSC	Testing Service Corporation
TSCA	Toxic Substances Control Act
TSP	Total Suspended Particulates
U.S. EPA	United States Environmental Protection Agency
$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
Vault	East Plant Area TSCA Permitted Landfill Vault
V	Vertical
WTP	Water Treatment Plant

Section 1.0 Introduction

1.1 General

This document presents the Construction Certification Report (Report) for the capping/closure of the East Plant Area, including placement of polychlorinated biphenyl (PCB) impacted soils for use as grading fill, at the General Motors LLC Castings, Engines, and Transmissions (CET; formerly Powertrain) Bedford Facility (Facility), in Lawrence County, Indiana. The work was completed as a component of the East Plant Area Interim Measure (IM) Work Plan, dated April 13, 2005, as part of RCRA Corrective Action (CA) for the Facility. The IM activities described herein were conducted from June 2005 to July 2014.

General Motors Corporation (since renamed Motors Liquidation Company [MLC]) filed for bankruptcy protection in June 2009 and sold a number of its assets on July 10, 2010 to General Motors LLC (GM), including the Facility. GM completed the IMs described in this Report for the Facility following the purchase of these assets. Conestoga-Rovers & Associates, Inc. (CRA) has prepared this Report on behalf of GM under the Resource Conservation and Recovery Act (RCRA) AOC (effective August 4, 2014, Docket #RCRA-05-2014-0011). The work described in this Report was also conducted in accordance with the CERCLA AOC, the requirements of the Toxic Substances Control Act (TSCA), and consistent with the Corrective Action (CA) conducted under the Performance Based Agreement (Agreement; effective March 20, 2001, as amended October 1, 2002, March 29, 2007, and May 9, 2008) between MLC and U.S. EPA for the Facility. Approval for the placement of less than 50 milligrams per kilogram (mg/kg) PCB-impacted soils as grading fill beneath the East Plant Area Cover System (Cover System), in accordance with CERCLA was received on May 6, 2005. The risk-based approval to dispose of PCBs, as issued by the Indiana Department of Environmental Management (IDEM) on October 26, 2006, and the TSCA approval to dispose PCBs as issued by the U.S. EPA on October 18, 2006, are included in Appendix A.

This Report documents the IM procedures that were followed during construction of the Cover System, including details of the physical tie-in to the existing East Plant Area TSCA Permitted Landfill Vault (Vault) cover system to ensure that a continuous cover was provided over the entire East Plant Area.

This Report addresses those IM activities associated with the Cover System construction and the required construction quality assurance (CQA) testing, consistent with 40 Code of Federal Regulations (CFR) § 761.75 and TSCA. Interim operation, maintenance, and monitoring (OMM) requirements for the Cover System will be coordinated with the long-term or overall OMM Plan, or plans, developed for the Facility as part of the Corrective Measures Proposal. A summary of interim OMM activities is provided in this report as required in the RCRA AOC.

The overall Facility location is presented on Figure 1.1, while the East Plant Area location is presented on Figure 1.2.

1.2 Report Organization

The Report is organized in the following sections:

- i) Section 2.0 presents the Facility location and description, including the East Plant Area and the Vault¹ (located within the East Plant Area), and the design basis.
- ii) Section 3.0 summarizes the various components of the Cover System and the materials that were utilized for construction.
- iii) Section 4.0 provides a general description of the current on-Facility Site Source Control (SSC) WTP that was constructed within the East Plant Area. Leachate and underdrain water collected from the Vault sumps are treated along with groundwater collected from the shallow groundwater SSC systems (herein referred to as the on-Facility SSC WTP).
- iv) Section 5.0 presents the procedures required for air monitoring and sampling during construction.
- v) Section 6.0 summarizes the approved health and safety procedures implemented during the Cover System construction.
- vi) Section 7.0 presents a description of the security measures taken to secure the Facility during construction of the Cover System.
- vii) Section 8.0 presents the record keeping procedures implemented during construction.
- viii) Section 9.0 summarizes the interim OMM and gives requirements for the monitoring of the constructed Cover System.
- ix) Section 10.0 presents various means of community participation and awareness that occurred during the Cover System construction.
- x) Section 11.0 presents references cited in this Report.
- xi) Section 12.0 provides certification of the Cover System construction completion.

¹ For Vault details, see the East Plant Area Vault Construction Certification Report (CRA, January 8, 2014).

Section 2.0 Facility Information

2.1 Facility Location and Description

The Facility is located at 105 GM Drive in the City of Bedford, Shawswick Township, Lawrence County, Indiana. The Facility lies on approximately 152.5 acres of land on either side of GM Drive. The East Plant Area refers to a portion of the Facility property that is located to the east of GM Drive and west of Bailey Scales Road.

Currently, the Facility is bordered by residential and undeveloped areas to the north; to the south by the Canadian and Pacific Railway, and Bedford Recycling; to the east by residential and undeveloped areas; and to the west by an abandoned railway, industrial and residential properties, and a cemetery. The Facility property boundaries, buildings, and support facilities are presented on Figures 1.1 and 1.2.

The Facility is currently zoned and utilized for industrial purposes. The reasonably foreseeable future land use is industrial.

2.2 East Plant Area Location and Description

The East Plant Area (Site) is located on the portion of the Facility to the east of GM Drive and west of Bailey Scales Road. It is bordered to the west by GM Drive and the main plant operations, to the northwest by residential properties Parcels 401 through 406 and to the north by Parcel 217, to the northeast by Bailey Scales Road and to the southeast by residential properties along Bailey Scales Road, and to the south by Parcel 417 and GM Drive as it approaches the Facility from the south.

In October 2001, the RCRA Facility Investigation (RFI) was initiated to further characterize the nature and extent of any releases of hazardous waste and/or hazardous waste constituents at or from the Facility that may pose an unacceptable risk to human health and the environment. The following Areas of Interest (AOI) were identified within the East Plant Area during this investigation:

- AOI-3 - Former PCB Storage Area
- AOI-4 - Former North Disposal Area
- AOI-5 - Former East Sand Disposal Area
- AOI-6 - Former Sludge Disposal and Fire Training Area
- AOI-7 - Former North Lagoon and Outfall 001
- AOI-8 - Former South Lagoons and Outfall 002

- AOI-10 - Existing Stormwater Lagoon and Outfall 003
- AOI-11 - Former Aboveground Storage Tanks
- AOI-14 - McBride Cows Disposal Areas
- AOI-15 - Former Equipment Storage Area
- AOI-16 - Former East Electrical Substation
- AOI-23 - Area Affected by the 1996 Wastewater Treatment Filter Cake Release
- AOI-30 - On-Site Fill Area - Parcel 201

2.3 Design Basis

The Cover System was designed and constructed to prevent direct contact to the underlying impacted fill material and to reduce infiltration of precipitation through the fill/soil and subsequent percolation of potentially impacted infiltration to the groundwater table, effectively providing long term protection against erosion and related transport of contaminants. A description of the components used in the construction of the Cover System is presented in the following sections of this Report.

Section 3.0 Final Cover System

The Cover System consists of a multi-layer cover that was constructed as a modified version of the RCRA Subtitle C cover, designed to use synthetic materials instead of soil materials, where possible. The Cover System incorporates a low permeability compacted clay layer overlain with an LLDPE liner, a lateral drainage layer (drainage geocomposite), a protective soil cover layer (common fill), and a vegetative topsoil layer to control erosion of the cover materials.

The multi-layer Cover System was constructed of both soil and geosynthetic materials placed in the following layers, listed from bottom to top:

- Grading layer (depth varies as necessary)
- Soil barrier layer - compacted clay (12 inches)
- LLDPE liner
- Drainage geocomposite
- Common fill (12 inches)
- Topsoil layer (6 inches)
- Vegetative cover (grass)

Drawing C-08 provides a constructed view of the Cover System cross-section.

The individual components of the Cover System have met the specifications described in the Cover System Design Report (CRA, April 18, 2008), as well as the CQA Plan (CRA, October 14, 2005, and revised April 18, 2008).

The Cover System topography has been designed and constructed to promote clean surface water runoff over the clean soils of the Cover System, routed to intermediate drainage ditches partway down the longer slopes (west and east sides of the cover system), as well as to the perimeter stormwater drainage ditches at the base of the slopes and ultimately to the creek system. The topography was designed to provide adequate surface water drainage and minimize potential erosion.

From the AOIs identified in Section 2.2, an overall East Plant Area construction phasing plan was developed for the construction of the Cover System which is presented on Figure 3.1. This overall phasing plan grouped the AOIs into subsequent construction phasing areas and for the purpose of this Report, into the following larger general work areas:

General Area	Construction Delineation	AOI
Area 1	West/East AOI-8 Parcel 201 Detention Basin 6	AOI-8 (NPDES Outfall 002) AOI-3 AOI-11 AOI-23 Parcel 201
Area 2	West/East AOI-6 West/East AOI-11	AOI-6 AOI-11 AOI-16
Area 3	Area East of AOI-10	AOI-10 (NPDES Outfall 003)
Area 4	West/East AOI-5	AOI-5 AOI-7
Area 5	West/East AOI-4 AOI-15 Energy Dissipater Detention Basin 1 Detention Basin 2 Detention Basin 3 Detention Basin 4 Detention Basin 5	AOI-4 AOI-7 (NPDES Outfall 001) AOI-15

Prior to the construction of the Cover System, the IM for the East Plant Area required prescriptive soil excavation of ≥ 50 mg/kg PCB-impacted soils from designated areas within the East Plant Area, which was then placed in the on-Site TSCA Vault (CRA, 2014). This work began in May 2006. Prescriptive excavation areas are presented on Figure 3.1. Following completion of the prescriptive excavation of ≥ 50 mg/kg PCB-impacted soil, the excavations were backfilled with < 50 mg/kg PCB-impacted soil from the prescriptive excavation (which had been removed and stockpiled in order to reach the ≥ 50 mg/kg PCB- impacted soil at lower elevations) and grading fill material (< 50 mg/kg PCB soils from the Parcel 22 and Downstream Parcels Removal Action (Removal Action) IM²). A phased approach was then used during the construction of the Cover System, whereby designated areas were brought to design elevations with grading fill placement (< 50 mg/kg PCB- impacted soils from the creek RA) and the Cover System constructed, as subsequently designated areas were filled and graded. Construction activities performed by ENTACT began in June 2005, with work continuing through contract close-out in February 2009. Construction activities resumed in September 2009, with work being performed by Severson Environmental Services, Inc. (SES) until the Cover System was completed in April 2012. Activities to establish an acceptable vegetative cover continued into 2014. Construction activities were coordinated with the Vault capping activities to ensure that the Vault and Cover Systems were appropriately tied together (specifically, the liner systems were connected).

Photographs 1 through 80 presented in Appendix B depict the installation of the Cover System installation.

3.1 Grading Layer

The grading layer was constructed with < 50 mg/kg PCB-impacted soil (grading fill) relocated from the Parcel 22 and downstream excavation activities during the creek RA. These creek soils were used to fill the excavations and shape the base for optimal surface water drainage and for the subsequent Cover System construction. The grading layer deployment was designed to maximize the placement of < 50 mg/kg PCB soils while optimizing the functionality of the Cover System.

Upon approval for use of < 50 mg/kg PCB-impacted creek soils as grading fill at the East Plant Area, four interim grading areas (stockpiles) were constructed within the East Plant Area for temporary storage of grading fill materials. This allowed the creek cleanup activities to continue during the initial phases of implementation of the Cover System. Grading Area 1 was

² For creek removal action details, see the Parcel 22 Construction Certification Report (CRA, May 14, 2012) and the Downstream Parcels Removal Action Construction Certification Report (CRA, December 12, 2014).

located north of the former North Disposal Area [Area of Interest (AOI) 4] and was filled between June and August 2005. Upon completion of Grading Area 1, Grading Area 2, located east of the Stormwater Pond (AOI 10), was filled between August 2005 and March 2006. Thereafter, filling of Grading Area 3, located south of the East Plant Area parking lot (previously referred to as the salary parking lot), took place in March 2006. Finally, Grading Area 4, located on the former parking lot directly north of the current location of the Vault, was filled between April and June 2006. The locations of the interim grading areas are presented on Figure 1.3.

The quality of grading fill generated during the prescriptive excavation and grading fill from the creek RA, the placement of the grading fill, and compaction of the grading fill were inspected in accordance with the CQA Plan.

Grading layer placement work commenced in June 2006 and was coordinated and phased to coincide with Cover System construction activities to minimize double handling of materials and limit the area of exposed grading fill to be monitored and controlled (i.e., coordinated placement of grading fill placement, either from the grading fill areas or as material was brought directly from the creek cleanup activities, in areas in advance of Cover System construction). Grading material was placed in 8-inch lifts and compacted by three passes of a vibratory roller (i.e., sheepsfoot). Surface water (i.e., precipitation) in contact with the grading fill was captured and treated before discharge to the creek system. A system of berms and tarps limited the area of contact and any collected water was pumped to the WTP for treatment.

Following completion of the grading layer (in phases), the soil barrier layer (clay) was placed directly over the completed grading layer. The top of the grading layer was surveyed prior to placement of the soil (clay) barrier layer to ensure design grades and elevations were achieved. The surveyed top of grading layer is presented on Drawings C-11 to C-30.

Photographs 1 through 10 in Appendix B presents photographs representative of the grading layer placement activities.

3.2 Soil Barrier Layer

The soil (compacted clay) barrier layer consists of a one-foot thick layer of compacted clay soil taken from either the borrow source located in close proximity the East Plant Area (Borrow Source 39) or the approved off-Facility source (Ingram Quarry, LLC [Ingram], which became Ben's Quarry, LLC [Ben's Quarry] in April 2011). Regardless of the source of the clay material used for the Cover System, clay used was free of unsuitable materials and pretested to ensure that it was clean as listed:

- Frozen material or material containing snow or ice
- Trees, stumps, branches, roots, or other wood or lumber
- Wire, steel, cast iron, cans, drums, or other foreign material
- Hazardous or toxic constituents at hazardous or toxic concentrations

The clay soil used in the construction of the barrier layer of the Cover System complied with the following design specifications:

- Permeability of the clay layer is 1×10^{-7} centimeter per second (cm/s) or less
- More than 50 percent of the clay passed the No. 200 sieve
- Atterberg limits of greater than 30 for the liquid limit (LL) and greater than 15 for the plasticity index (PI)
- Compacted to 95% maximum dry density

The CQA Plan presented a testing program to verify that the construction and materials used were in compliance with the design specifications. Approval of the clay soil sources are presented in Appendix A.

The clay was trucked from the owner-supplied borrow source and/or the approved off-Facility borrow source and end-dumped directly on the pre-graded grading layer surface. The clay was spread in approximately eight-inch (maximum) thick uncompacted lifts using a bulldozer, resulting in approximate six-inch thick compacted lifts upon completion. As such, construction of the soil (clay) barrier layer involved the placement of two six-inch compacted lifts.

Following the placement of each compacted clay layer, CQA testing was performed. Prior to field compaction testing at the landfill, clay soil samples were collected at the owner-supplied borrow source at Parcel 39 or the off-Facility borrow pit (Ingram), as appropriate, and submitted for analyses of both maximum dry density and optimum moisture content. These laboratory testing results were then used to calibrate the nuclear densometer in the field in

order to confirm that the required 95 percent Standard Proctor Density compaction level had been achieved.

Grade control for the clay placement activities was initially performed using grade stakes and later using laser-equipped dozers. The depth/thickness of the clay layer was confirmed by an Indiana State licensed surveyor, done by a survey of the ground (clay) surface on a 50-foot grid after completion of the clay placement activities. The top of clay surface was then compared to the previous survey of the pre-graded grading layer surface (at a similar 50-foot grid, where possible) to ensure the specified clay thickness (12 inches, compacted) was placed over the Cover System footprint. Additional clay was placed where required when the survey indicated the clay thickness was less than the required 12 inches prior to installation of the LLDPE liner. The surveyed top of clay contours are presented on Drawings C-31 to C-50.

To support the compaction testing data collected during the clay placement, two types of construction permeability testing were performed. Prior to commencing construction, samples from the owner-supplied borrow source (Borrow Source 39) and the approved off-Facility source (Ingram) were collected and tested for remolded permeability, in accordance with the American Society for Testing and Materials (ASTM) D5084. The remolded permeability results are presented in Table 3.2.1. The laboratory test results showed that the clay/fill soil from the borrow sources met the required criteria for clay placement.

Table 3.2.2 presents a summary of the clay compaction test data collected by Professional Services, Inc. (PSI), an independent construction materials testing firm in Indianapolis, Indiana, sub-contracted by the general contractors, ENTACT and SES. The field testing results presented in Table 3.2.2 include the clay placement and the fine grading/re-rolling work to ensure the proper 12-inch minimum thickness was present across the Cover System footprint.

A total number of 238 compaction tests were conducted during the clay placement work completed between July 2008 and November 2011, of which no tests failed the 95% compaction criteria and no tests failed as a result of the actual moisture content being outside the acceptable range. Upon completion, the entire clay layer for the Cover System was sufficiently tested to ensure uniform compaction to 95 percent or more.

Undisturbed Shelby tube samples were collected from the completed clay layer of the Cover System during clay placement to meet the requirements for the soil barrier layer specified in the CQA Plan, prior to placement of the LLDPE liner. A total of 57 Shelby tube samples were collected from the soil barrier layer and shipped to the geotechnical testing facility at Inspec-Sol Inc. (located in Waterloo, Ontario, Canada) for permeability testing. The test results for the Shelby tube samples demonstrated that the in-situ (placed and compacted) clay material met

the 1×10^{-7} cm/s permeability requirement for the compacted clay liner. Table 3.2.3 presents all of the Shelby tube permeability data generated during the Cover System construction.

Photographs 11 through 20 in Appendix B presents photographs representative of the clay layer placement.

3.3 Linear Low Density Polyethylene Liner

The 60-mil thick LLDPE liner (geomembrane) was placed above the completed compacted clay layer. A textured geomembrane was used to provide greater slope stability, as the vast majority of the Cover System was sloped between 4horizontal (H):1vertical (V) and 5H:1V. As the LLDPE geomembrane material is not susceptible to frost damage, installation beneath the frost penetration depth was not necessary.

The specifications for the 60-mil textured LLDPE liner utilized were presented in the East Plant Area Cover System Design Report (CRA, April 18, 2008). Testing was completed by the manufacturer prior to material delivery to the Facility, which included carbon black content, thickness, density, tensile strength, elongation, puncture resistance, and tear resistance. Table 3.3.1 presents a summary of these testing results provided by the contractor as a submittal which were reviewed and approved by the engineer prior to placement.

During installation of the liner, which began in July 2008, the material was visually inspected by the field QA personnel and the product tags removed from each roll to cross-check against the contractor's submittal. Table 3.3.2 presents a summary of the textured LLDPE liner installation log maintained by the field QA personnel, indicating the roll numbers deployed, panel dimensions, and field approval for deployment. Drawings C-31 to C-50 presents the as-recorded panel layout for the 60-mil textured LLDPE liner material placed for the Cover System.

Consistent with the requirements presented in the East Plant Area Cover System Design Report (CRA, April 18, 2008), the LLDPE liner installation for the Cover System also required test seams (i.e., trial welds) to be completed at the start of each day and following the lunch break for each piece of seaming equipment (hot wedge fusion and/or extrusion welders) prior to conducting any field seaming activities associated with the installed liner. If a test seam failed, the seaming equipment was rejected for field seaming until the deficiencies were corrected (i.e. reducing or increasing the speed) and a successful seam test was produced. Table 3.3.3 presents a summary of the test seam results for the 60-mil LLDPE geomembrane layer.

Table 3.3.4 summarizes the non-destructive seam testing completed relating to the LLDPE liner installation for the Cover System. In accordance with the technical specifications provided to

the contractor prior to construction, non-destructive seam testing was to be performed over the full length of each installed seam by pressure testing. Of the 1,757 seam tests summarized in Table 3.3.4, 42 tests were non-destructive seam tests for tie-in seams between the "flap" for the textured High Density Polyethylene (HDPE) geomembrane along the edges of the Vault cover system and the textured LLDPE geomembrane for the Cover System. Seams were tested and where non-destructive testing results did not meet the QA testing criteria, they were repaired and retested for leakage. Less than one percent of all of the non-destructive seam tests completed on the LLDPE liner were rejected, which required repairs and retests to be completed. Passing results were eventually obtained for the non-destructive testing of seams.

Table 3.3.5 summarizes the destructive seam tests completed for the textured LLDPE liner installation, which were conducted at a frequency of approximately 1 sample per 500 lineal feet of field seam or at least one per seam. It should be noted for smaller seam lengths (some as short as 4 to 25 feet), typically located in the corners where shorter panel lengths came together, several seam lengths were combined into groups of approximately 50 feet in total length (as approved in an e-mail response from U.S. EPA on March 30, 2006). As identified in the CQA Plan and in the technical specifications provided to the contractor, each seam test completed on the LLDPE liner included five field test coupons tested for both shear and peel using a calibrated field tensiometer. Thereafter, another set of five test coupons for each passing destructive seam test performed in the field was provided to the field oversight engineer or QA personnel to perform similar laboratory testing for both peel and shear. Drawings C-31 to C-50 present the destructive seam test locations. All of the destructive seam tests completed in the field and laboratory achieved acceptable results (i.e., destructive seam testing had a zero percent failure rate).

Some of the liner seams were damaged and repaired during construction, both as a result of the destructive seam testing as well as during regular construction seaming activities. A summary of the LLDPE liner panel seam repairs is presented in Table 3.3.6. Seam repairs were tested in a non-destructive manner, with periodic destructive seam testing as well. Drawings C-31 to C-52 present the seam repair locations.

Photographs 21 through 30 in Appendix B presents photographs representative of the LLDPE liner placement.

3.4 Drainage Geocomposite Layer

Following completion of the LLDPE liner installation, a drainage geocomposite material was placed over the LLDPE liner. The drainage geocomposite material consists of a LLDPE drainage geonet core sandwiched between two geotextile fabrics, which were individually connected across panel seams to provide a uniform drainage layer. The drainage geocomposite material

was initially placed by unrolling the panels in their general intended location. These panels were then adjusted for proper alignment to provide the required overlap for joining. Appropriate care was exercised to not damage the drainage geocomposite material or the underlying textured LLDPE liner material during placement and joining activities.

The CQA Plan identified the testing required for the drainage geocomposite material. Testing was completed by the manufacturer prior to delivery to the Facility, which included fabric weight, density, carbon black content, grab (tensile) strength, grab elongation, ply adhesion, transmissivity, permittivity, and apparent opening size. Table 3.4.1 presents a summary of these testing results which were provided by the contractor as a submittal and were reviewed and approved by the engineer prior to material placement.

During placement of the drainage geocomposite, the material was visually inspected by the field QA personnel and the product tags removed from each individual roll to cross-check against the submittal.

Photographs 31 through 40 in Appendix B presents photographs representative of the drainage geocomposite placement.

3.5 Common Fill Layer

Clean common fill material used in the construction of the Cover System was taken from either a borrow source located in close proximity the East Plant Area (Borrow Source 39) or the approved off-Facility source (Ingram). Regardless of the source of the fill material used for the Cover System; fill used was free of unsuitable materials including:

- Frozen material or material containing snow or ice
- Trees, stumps, branches, roots, or other wood or lumber
- Wire, steel, cast iron, cans, drums, or other foreign material
- Hazardous or toxic constituents at hazardous or toxic concentrations

Common fill sources were characterized prior to importation to the East Plant Area to ensure these soils were acceptable, based on chemical analysis. Only soil material that met the chemical and quality assurance requirements of the project Quality Assurance Project Plan (QAPP) (CRA, July 18, 2001, and as amended August 13, 2003, December 21, 2005, and July 25, 2006) were accepted for use as fill. Prior to commencing construction, one sample per 1,000 cubic yards (cy) of the common fill material (either from the Parcel 39 borrow area or Ingram) were collected and tested for remolded permeability (in accordance with ASTM D5084). Each permeability test result passed the required acceptance criteria of

1×10^{-5} cm/s. The remolded permeability results are presented in Table 3.5.1. The laboratory test results showed that the clay/fill soil from the borrow source and Ingram met the required criteria for both clay and common fill placement.

The source used in 2008 by ENTACT for common fill placement in the East Plant Area was the Parcel 39 borrow source (approved verbally by U.S. EPA in 2007 in response to request submitted via email on November 30, 2007, reaffirmed by U.S. EPA via email on May 3, 2010). Since the material from the Parcel 39 borrow source was classified as "clay" per soil classification standards (ASTM D2487), formal compaction testing of the common fill layer was not required or completed per the testing specifications presented in the CQA Plan to achieve permeability values of 1×10^{-5} cm/s. Compacted clay has a lower hydraulic conductivity than the specified 1×10^{-5} cm/s specified (4.4×10^{-8} cm/s and less for the remolded clay samples tested). Compaction of the clay to full proctor was not the desired intent for the common fill layer, and the use of clay has likely resulted in a reduction in infiltration and some increase in runoff (i.e., permeability less than 1×10^{-5} cm/s but greater than 4.4×10^{-8} cm/s). However, since the stormwater detention basins were sized assuming saturated soil during peak storm event, there was no need to change the design storage capacity of the basins. SES continued the use of clay for the common fill, sourcing material from Ingram when work resumed in the East Plant Area in 2010 (approved by U.S. EPA on May 3, 2010 via email in response to a letter sent to U.S. EPA by CRA on April 30, 2010). The common fill material was placed over the entire surface area covered by the LLDPE liner and drainage geocomposite materials. Common fill material was imported via trucks from the approved sources and end-dumped at the leading edge of the previous lift. The material was then graded and traffic-compacted by running the equipment over it.

Grade control for the common fill placement activities was performed by SES using a combination of grade stakes and GPS equipment located on their equipment. The depth of the common fill material was confirmed by taking measurements on the common fill surface as the work progressed, using the previously identified 50-foot grid. The top of the common fill surface was then compared to the previously surveyed pre-graded clay barrier layer surface to ensure the specified common fill thickness (12 inches, compacted) was placed over the Cover System footprint. Additional common fill was placed where required, to create a uniform surface prior to installation of the topsoil and vegetative cover layers.

Photographs 41 through 50 in Appendix B presents photographs representative of the common fill layer placement.

3.6 Topsoil Layer

Following placement of the common fill material, a 6-inch lift of topsoil was placed over the entire surface area previously covered with common fill material. Topsoil material used was imported from an approved source and was free of unsuitable materials including:

- Frozen material or material containing snow or ice
- Trees, stumps, branches, roots, or other wood or lumber
- Wire, steel, cast iron, cans, drums, or other foreign material
- Hazardous or toxic constituents at hazardous or toxic concentrations

The topsoil material placed for the Cover System met the following specifications:

- pH between 5.5 to 7.5, determined in accordance with ASTM D4972
- 2 to 10 percent organic matter, determined in accordance with ASTM D2974
- Consistent with soil classification ASTM D2487 Group Symbol CH
- Reasonably free of roots, rocks, or lumps larger than 1-inch, weeds, vegetation, and seeds of noxious weeds
- Capable of supporting growth of grass

Topsoil materials were characterized prior to being imported to the East Plant Area location to ensure that these soils were acceptable based on chemical analyses. Only topsoil material that met the chemical and quality assurance requirements of the project QAPP (CRA, July 18, 2001, and as amended August 13, 2003, December 21, 2005, and July 25, 2006) was accepted for use as topsoil.

As-recorded final contours for the Cover System representing the final surface of the combined common fill and topsoil layers are presented on Drawings C-53 to C-72.

Photographs 51 through 60 in Appendix B presents photographs representative of the top soil layer placement.

3.7 Vegetative Cover Layer

Following placement of the topsoil material, grass seed was planted via drill seeding to establish a vegetative cover over the entire Cover System. The seed mixture was developed by Cardno (formerly JFNew & Associates). The Cardno Slope Stabilization Seed mixture was used on the side slope and top areas, and the Cardno Swale Seed mixture was used for the swales.

The Slope Wildflower Seed mixture was used on the west side of the Vault cover systems and along the north slope facing Parcel 401.

Erosion control matting was placed over the Cover System to prevent erosion of the topsoil and loss of seed during the first growing season. Curlex II, a biodegradable blanket constructed of Aspen excelsior fabric was used for the slopes and swales. In some swales, a turf reinforced mat was used where grades were steeper, to protect the vegetative cover during high flow events. Details of interim inspections and maintenance are provided in Section 9.0.

Photographs 61 through 73 in Appendix B presents photographs representative of the seeding and vegetative growth.

3.8 Hard Surface Cover System Components

The hard surface portions of the Cover System were installed to support vehicular traffic to and from the on-Site SSC WTP and GM's existing wastewater treatment plant (WWTP) located within the overall East Plant Area. This hard surface cover meets TSCA requirements for asphalt covers identified in 40 CFR 761.61 (a) (7). The hard surface cover system consisted of the following layers, listed from bottom to top:

- Grading layer (depth varies as necessary)
- Compacted common fill (24 inches)
- Granular base (6 inches for heavy asphalt areas and 7 inches for 30-ton asphalt areas)
- Asphalt (6 inches for heavy asphalt areas and 7 inches for 30-ton asphalt areas)

Drawing C-09 provides a constructed view of the hard surface Cover System cross-section.

Two different hard surface cover designs were required due to the vehicular loads anticipated in the two different asphalt areas. For the access road leading to the newly constructed WTP and the paved areas around the WTP building, the hard surface cover system was designed for heavy vehicle loading (6 inches of granular base and 6 inches of asphalt). For the area around the GM WWTP and the entrance road coming from GM Drive, the hard surface cover system was designed for 30-ton vehicle loading (7 inches of granular base and 7 inches of asphalt). The 30-ton hard surface was installed in anticipation of needing a 30-ton crane for removal of equipment from some of the processes within the WWTP facility.

The construction and materials used for the hard surface cover system were tested to verify compliance with the specifications presented in the CQA Plan. As-recorded final contours for the hard surface cover system are presented on Drawings C-53 through C-72.

Photographs 74 through 81 in Appendix B presents photographs representative of the installation of the hard surface portion of the Cover System.

3.8.1 Grading Layer

The grading layer was constructed with soil materials excavated during the creek RA with PCB concentrations of <50 mg/kg, to build up a base for the hard surface cover system areas and matching the adjacent grass cover areas. The grading layer was designed to optimize the functionality of the overall Cover System.

3.8.2 Compacted Common Fill

A 24-inch compacted common fill layer was placed above the grading layer in support of the overlying granular base. Common fill material used as part of the hard surface cover layer was imported from a borrow source located in close proximity the East Plant Area (Borrow Source 39) or the approved off-Facility source (Ingram) and was free of unsuitable materials including:

- Frozen material or material containing snow or ice
- Trees, stumps, branches, roots, or other wood or lumber
- Wire, steel, cast iron, cans, drums, or other foreign material
- Materials containing hazardous or toxic constituents at hazardous or toxic concentrations

3.8.3 Granular Base

A 6-inch granular base was placed below the asphalt layer for heavy vehicle traffic areas, while a 7-inch granular base was placed below the asphalt layer for 30-ton vehicle traffic areas. The granular base material consisted of Indiana Department of Transportation (INDOT) Size 53 stone (Class D or higher).

3.8.4 Asphalt

A 6-inch asphalt layer was placed over the hard surface cover system to support heavy vehicular traffic on the access leading to the on-Site SSC WTP and around the on-Site SSC WTP building, while a 7-inch asphalt layer was placed in the existing WWTP area where 30-ton vehicular loads were anticipated. In hard surface areas, the upper 1-1/2 inches of asphalt consisted of surface (or wearing) course material, with the remaining lower depths of asphalt consisting of binder (or leveling) course material. Asphalt materials were in compliance with

INDOT Section 904, Standard Specifications for Construction. This hard surface cover meets the TSCA requirements for asphalt (hard surface) covers identified in 40 CFR 761.61 (a) (7).

Section 4.0 Water Treatment Plant

A permanent on-Site SSC WTP was constructed on the Facility and has been operational since 2005. The on-Site SSC WTP has a maximum theoretical capacity of approximately 2,300 gallons per minute (gpm) and acts as a dedicated system for the treatment of groundwater collected from the existing SSC System wet wells and the Vault sumps (design treatment capacity of 300 gpm) and Facility stormwater (design treatment capacity of 2,000 gpm). This system is operated on a permanent basis under the Facility's National Pollutant Discharge Elimination System (NPDES) Permit Number IN 0003573.

GM is in the process of constructing a new WTP, to be located along Barlow Lane, for the purpose of treating the aforementioned groundwater and Vault sources.

Section 5.0 Monitoring and Sampling Procedures

This section describes the air monitoring and sampling procedures that were performed during the Cover System construction. Sampling activities were completed in accordance with the approved Site-specific "Field Sampling Plan" (CRA, November 6, 2001), the QAPP (CRA, July 18, 2001, and as amended August 13, 2003, December 21, 2005, and July 25, 2006), and/or the NPDES permit. Validated sampling data were submitted to the U.S. EPA on a periodic basis throughout the Cover System construction period.

5.1 Air Quality Monitoring

5.1.1 Air Monitoring Background

Construction activities related to the Cover System were performed in accordance with the perimeter air monitoring program, which included monitoring and particulate control measures approved in the Ambient Air Quality Monitoring Plan (AAQMP, CRA, May 2004, and subsequent amendments), with air monitoring station locations adjusted in the field as appropriate. Changes to the AAQMP were implemented only following U.S. EPA approval.

In order to verify that no unacceptable emissions occurred, air monitoring for the emission of PCBs and Total Suspended Particulates (TSPs) (essentially dust measurements) was conducted daily around the East Plant Area perimeter during construction of the Cover System. The

perimeter air monitoring program was in addition to real-time air monitoring for contractor health and safety, including personnel air monitoring conducted by the contractor.

PCB and TSP monitoring was performed around the active work areas on a 24-hour basis. The air monitoring program yielded average concentrations in the ambient air for the selected compounds over each 24-hour period. Concentrations of PCBs and TSP were determined by measuring the volume of air and amount of contaminant or particulate collected onto absorbent media, or filters, over a 24-hour period. Meteorological readings (i.e., temperature, humidity, and barometric pressure) were recorded daily from nearby weather stations to interpret (for reporting) the measured data to ambient conditions.

PCB sampling was completed utilizing U.S. EPA Method TO-4A [Compendium Method TO-4A Determination of Pesticides and Polychlorinated Biphenyls in Ambient Air Using High-Volume Polyurethane Foam Sampling Followed by Gas Chromatographic/ Multi-Detector, Detection January 1999]. TSP sampling was completed using U.S. EPA's Reference Method for Determination of Suspended Particulate Matter (dust) in the Atmosphere (High-Volume Method) (40 CFR § 50).

PCB and TSP samples were obtained from ten air monitoring groups (Groups 1, 1A, 3, 5, 5A, 9B, 11, 14, 16, and 17) positioned around the active work areas. Groups 1 and 1A were no longer in operation when Cover System activities commenced in June 2005, but were in operation during excavation activities of >50 mg/kg soils from September 2004 to May 2005. The locations of each air monitoring station and group are presented on Figure 5.1.

Analyses of air samples were performed in accordance with laboratory procedures listed in the QAPP, last revision dated December 21, 2005. Air monitoring results for PCBs and TSP related to the Cover System construction are presented in Appendix C.

5.1.2 Air Monitoring Results

5.1.2.1 TSP Results

TSP results for air monitoring Groups 1, 1A, 3, 5, 5A, 9B, 11, 14, 16, and 17 are presented in Appendix C. TSP results were evaluated against the upwind concentration of each air monitoring group and the Action Level for TSP, which is 100 percent allowable. The Action Level of 100 percent allowable is defined as 67 percent in excess of the upwind ambient air concentration.

As presented in the TSP result tables, TSP exceedances during Cover System activities were observed in six air monitoring groups on various dates throughout the construction period. It

should be noted that dust was generated by activities other than the filling of the East Plant Area (i.e., transportation activities throughout the Site and placement of clean cover soils), therefore TSP exceedances were found not to be directly related to air-borne exceedances of PCB criteria concentrations. The majority of exceedances occurred at Group 9B air monitoring stations. Air monitoring Station 1C, of Group 9B, was located east of the intersection of Breckenridge Road and GM Drive. TSP exceedances at this location were correlated to dust from truck traffic along adjacent public roads and plant traffic in the parking lot on the east side of GM Drive.

In response, the contractor modified construction techniques to minimize dust and increased wetting of on-Site access roads and public roads along GM Drive and Breckenridge Road. These were actions taken in response to both visual observations and TSP monitoring data. Dust suppression techniques included:

- Installing tire wash station for haul trucks that were leaving the staging pad area
- Replacing gravel entrances to work areas as they became too dirty
- Wetting on-Facility haul roads on a frequent basis
- Adjusting construction techniques, where necessary
- Restricting vehicle and truck speed on the Facility
- Increasing the frequency of public street maintenance

5.1.2.2 PCB Results

PCB results for the ten air PCB monitoring stations are presented in Appendix C. PCB results for five of the ten air monitoring groups were consistently below the Stop Work Action Level (1 microgram per cubic meter [$\mu\text{g}/\text{m}^3$]). During the excavation and placement of ≥ 50 mg/kg PCB impacted material in the former parking lot staging area and the Vault in the East Plant Area, occasional exceedances were observed at Stations 1B, 1C, 22B, 29, and 30 between June and August 2006. Some exceedances also occurred at Station 22B in March 2007 and it is believed that these exceedances were related to the movement of material in AOI 8 near the air monitoring station.

PCB monitoring was performed on site on a 24-hour basis, which yielded average concentrations in the ambient air over each 24-hour period. Subsequently, samples were sent to the laboratory via overnight courier for analysis and received at the lab the following morning (48 hours after the start of the sample collection period, 24-hours after the completion of the sample collection period). With a 1-day turn-around time, the analyses would have been received the following morning, 72-hours after the start of sampling, and calculations

performed to determine if PCB concentrations exceeded the percent allowable would have been provided that same day. As a result, real-time adjustments were often made before analytical results were received, based on prior experiences with similar work, observations of dust, changes in weather, and using the real-time TSP monitoring of the contractor to determine if adequate dust controls were in place.

PCB exceedances for the Site were generally encountered on days with large wind gusts, while conducting work in areas with ≥ 50 mg/kg PCB materials, when work was conducted in close proximity to the perimeter air monitoring stations and/or when there had been limited precipitation. Immediate adjustments to work practices were done in response to the contractor's real time air monitoring (particulate and PID). Once notified of the exceedance, the site engineer would meet with the contractor and review site activities, weather conditions and any miscellaneous (e.g., on-site activities conducted by others, public traffic along adjacent roads) that occurred on the day in question. Based on the evaluation of the conditions that may have contributed to the elevated PCB levels, any needed additional adjustments would be made. Adjustments to procedures were dependent upon the likely cause of the exceedance and would include minimizing the footprint of exposed impacted material, increased wetting of the site access roads, modifying (e.g., slowing) the excavation and material off-loading in a manner that would minimize dust, or temporarily working in a different area of the project until more favorable conditions in the area of the exceedance could be established.

Section 6.0 Health and Safety Plan

Work conducted by CRA was performed in accordance with the Facility-specific Health and Safety Plan (HASP) for the Site (including the activities conducted as part of the creek RA) entitled "Consolidated GM Bedford Health and Safety Plan", dated November 2004, and as modified March 27, 2007, and June 24, 2008. Additionally, the Site-specific HASPs prepared by the Cover System contractors were followed by the contractors and their subcontractors.

Section 7.0 East Plant Area Security

To provide overall Site security, high visibility orange construction fencing was erected to enclose excavation areas within the East Plant Area during active grading fill placement and Cover System construction. During non-working hours, the construction contractor provided site security in addition to the Facility's security personnel.

Section 8.0 Record Keeping

Record keeping procedures complied with the requirements of 40 CFR § 761.180(b). The record keeping activities included the following:

- Individual/unique truck logs which noted the date and time of loading, identified the source (i.e., location) of excavated material, estimated quantity (volume and/or weight), placement location within Cover System, and date and time of placement.
- Records of inspections and cleanups performed during excavation, transportation, and/or placement of under 50 mg/kg PCB impacted soils, as required.
- Analyses of any groundwater and surface water obtained during subsequent post-construction monitoring (EI CA750 monitoring).
- Photographs of the Cover System filling and construction.

In addition, field records as summarized in this document including, inspection logs, field notes, geotextile tags, seam test samples, and geotechnical results are stored at the Site trailer or in CRA's archival records storage.

Appendix B presents representative photographs of different phases of construction taken during the filling and construction of the Cover System.

Section 9.0 Operation, Maintenance, and Monitoring

This section presents a summary of the interim OMM activities as required by the RCRA AOC. A long-term OMM plan, will be developed for the East Plant Area IMs including the Cover System, the on-Site SSC WTP, the TSCA Vault, the proposed perimeter groundwater collection trench, and groundwater WTP (GWTP).

Routine inspections are being conducted to ensure that the Interim Measure continues to meet the remedial action objectives. Site inspections will be continued on a quarterly basis for 2 years, following approval of this Report (informal inspections are currently being conducted). Following this period, GM will re-evaluate, in consultation with U.S.EPA, the frequency and type of inspections conducted to determine what inspection frequency is appropriate.

Vault specific monitoring will continue to be done as described in the Post-Closure Plan (CRA, 2012) including any amendments to that plan.

9.1 Vegetated Cover System

Interim monitoring activities for the physical condition of the Cover System and Vault cover will be conducted concurrently, until superseded by a long-term OMM plan. The inspections are conducted by making observations of the cover condition along several transects across the cover. The transects are presented in Appendix D on Figure D.1 (northern part of East Plant Area including the TSCA Vault), Figure D.2 (southern part of the East Plant Area), and Figure D.3 (West Plant Area). The inspector will complete a log for each transect. The template inspection log for vegetated and hard surface covers is included in Appendix D as Table D.1.

The vegetative component of the Cover System is visually inspected on a quarterly basis. At a minimum, the soil cover is inspected for the following items:

- Evidence of erosion, exposure of liner, settlement causing ponding of water, and areas of insufficient grass coverage
- Evidence of burrowing animals, rooting trees, or other evidences of conditions impacting the integrity of the soil cover
- Evidence of damage caused by environmental conditions and/or monitoring and maintenance vehicular traffic

Areas where repairs are needed will be recorded and reported to a representative of GM, whereupon arrangements will be made to effectuate the repair. Maintenance of the Cover System and other grassed areas will consist of the following elements, as required:

- Woody growth will be removed as needed following routine OMM inspections.
- Areas where erosion is observed will be repaired by replacing vegetative cover soil to meet the surrounding grades and re-establishing the grass cover
- Areas where the grass cover has declined to less than 75 percent as determined by visual inspection will be fertilized and re-seeded.

9.2 Hard Surface Cover System

The hard surface cover system components of the Cover System is visually inspected on a quarterly basis for the presence of cracking or discoloration.

Areas where repairs are needed will be recorded and reported to a representative of GM, whereupon arrangements will be made to effectuate the repair. The repairs will be dependent upon the degree of the asphalt deterioration.

9.3 Surface Water Management System

Surface water on the Site is controlled by slopes directing clean surface water flow toward diversion berms on the soil cover and into detention basins along the Site perimeter. Conveyance controls consist of drainage ditches, soil cover stormwater diversion berms/swales, catch basins and culverts. At a minimum, the surface water management system will be inspected for the following items:

- Surface water management structures such as culverts, catch basins, riprap check dams, and swales for evidence of clogging, blockage or silt accumulation
- Surface water ditches and channels for evidence of clogging and/or blockage, erosion, and insufficient grass coverage

Areas where repairs are needed will be recorded and reported to a representative of GM, whereupon arrangements will be made to effectuate the repair. Maintenance of the surface water management system will consist of the following elements, as required:

- Removal of debris/sediment from the inlet and outlet of the culvert that may cause blocking or clogging
- Repair of the riprap areas at the discharge points at the Site
- Repair of other areas of the system as indicated by the inspections.

9.4 Site Access Roads

A gravel road was constructed around the Site to facilitate access for OMM activities and to the Vault sumps. At a minimum, the access road will be inspected for the following items:

- Evidence of erosion of gravel, settlement causing ponding of water, and areas of insufficient gravel
- Evidence of environmental conditions and/or maintenance vehicular traffic impacting the integrity of the access road

This does not include the gravel road around the perimeter of the stormwater pond which is maintained by the Facility.

Maintenance of the Site access road will include:

- Repair of areas where excess ponding of water is observed

- Repair of areas where erosion is observed, such as gullies or areas where surface wash has occurred, by replacing gravel to meet the surrounding grades

9.5 Water Treatment Systems

The OMM plan specific to the SSC and treatment systems is a standalone document and is in the process of being updated based on changes to the systems since the OMM Plan was originally drafted in 2009. In addition, GM has initiated the construction of a new GWTP to facilitate treatment of water collected by the proposed perimeter groundwater collection trench. A new OMM Plan will be developed once the new system is in operation. Appendix D.2 provides table summaries for the inspection and maintenance activities conducted at the existing SSC and stormwater WTPs.

9.6 Groundwater Monitoring

Groundwater monitoring at the perimeter of the East Plant Area is currently conducted through the Environmental Indicator (EI) CA750 monitoring program. The program consists of groundwater sampling at selected monitoring wells for PCBs with data reported in bi-annual sampling memorandums and quarterly monitoring of the static groundwater elevations and non-aqueous phase liquid checks and specific locations. The groundwater sampling activities will be conducted in accordance with the Site-specific QAPP and subsequent amendments.

The monitoring program in support of the CA750 will be replaced by the interim groundwater monitoring program for the Perimeter Groundwater Trench Collection system, as referenced in the AOC, upon U.S. EPA approval of the Interim OMM Plan and will continue until such time as the final long-term Operation Monitoring and Maintenance Plan is developed as part of the Final Corrective Measures Proposal. The CA750 monitoring program includes quarterly groundwater level monitoring and bi-annual groundwater sampling. A summary of the wells and parameters are included in Table 9.1.

9.7 Vault Monitoring

Full details of the Vault monitoring requirements is provided in the Vault Post-Closure Plan. In addition to the perimeter groundwater monitoring, monitoring specific to the Vault is conducted to monitor the Vault performance. Vault specific monitoring includes:

- Sampling for PCBs and volatile organic compounds (VOCs) from the leachate collection system (LCS)
- Sampling for PCBs from the leak detection system (LDS)
- Monitoring water levels and associated elevations of fluids in the LCS and LDS

- Monitoring of the groundwater level in the groundwater underdrain system (GUS)
- Monitoring the volumes of water collected and treated from the LCS, LDS and GUS

Results are provided in the annual vault monitoring reports by July 15 the following calendar year.

9.8 Records and Reporting

GM will maintain an inspection log to document inspection observations, OMM activities completed, and/or required. Inspection activities will be recorded on a standard OMM form, which is provided as Appendix D. Inspection logs will include inspection date, name of worker conducting the inspection, equipment used, and reason for OMM activity.

Starting with the calendar year 2015, data collected at the Site during the OMM period will be reported to the USEPA and IDEM in the Quarterly Progress Reports, until superseded by the reporting requirements of the long-term OMM. A summary of the monitoring activities and repairs, if any, will also be included.

Section 10.0 Community Relations

Community relation activities and community participation in the review of the East Plant Area IM, including the Cover System included:

- Public notice and comment period (March 2005 to June 2005)
- Project fact sheets specific to the East Plant Area IM activities (March 2005 to December 2014)
- Project website (www.bedfordpowertraincorrectiveaction.com)
- GM organized community meetings for neighbors and the general public
- Community Liaison Panel involvement

Prior to submission of the East Plant Area RCRA Corrective Action Program, IM Alternatives Review Report (CRA, April 13, 2005) to U.S. EPA and IDEM, discussions were held with U.S. EPA and IDEM that resulted in the proposed IM approach, which was presented to the public at a public meeting on March 31, 2005. A public notice was placed in the local newspaper, the Bedford Times-Mail, on May 31, 2005 requesting comments on the plan no later than July 14, 2005. A copy of this notice and proof of publication is presented in Appendix E. U.S. EPA also mailed a copy of this notice to area residents. Another public meeting was held at the Facility

on June 2, 2005 to discuss the proposed plan and allow residents to ask questions and provide comments. A total of 31 public meetings have been held since the June 2, 2005 meeting to provide an update on the status of the East Plant Area IM and off-Site cleanup.

Section 11.0 References

- Conestoga-Rovers & Associates, Inc., Ambient Air Quality Monitoring Plan (AAQMP), GM Powertrain Bedford Facility, Bedford, Indiana, Ref. No. 13968 (018 APP E), May 2004.
- Conestoga-Rovers & Associates, Inc., Consolidated Health and Safety Plan (HASP), GM Powertrain Bedford Facility, Bedford, Indiana, Ref. No. 13968(095), November 2004.
- Conestoga-Rovers & Associates, Inc., Consolidated Health and Safety Plan (HASP), GM Powertrain Bedford Facility, Bedford, Indiana, Ref. No. 13968(095), Revision 1, March 27, 2007.
- Conestoga-Rovers & Associates, Inc., Consolidated GM Bedford Health and Safety Plan (HASP), GM Powertrain Bedford Facility, Bedford, Indiana, Ref. No. 13968(095), Revision 2, June 24, 2008.
- Conestoga-Rovers & Associates, Inc., Construction Certification Report - East Plant Area Vault, GM CETC Bedford Facility, Bedford, Indiana, Ref. No. 13968(289), January 8, 2014.
- Conestoga-Rovers & Associates, Inc., Design Report, Over 50 mg/kg PCB Soil Removal, East Plant Area, GM Powertrain Facility, Bedford, Indiana, Ref. No. 13968(162), October 17, 2005.
- Conestoga-Rovers & Associates, Inc., Field Sampling Plan, GM Powertrain Bedford Plant, Bedford, Indiana, Ref. No. 13968(008), November 6, 2001.
- Conestoga-Rovers & Associates, Inc., Post-Closure Plan Bedford Plant Vault, GM CETC Bedford Facility, Bedford, Indiana, Ref. No. 13968(343), February 3, 2012
- Conestoga-Rovers & Associates, Inc., Quality Assurance Project Plan, Preliminary RCRA Facility Investigation Activities, Ref. No. 13968(003), July 18, 2001.
- Conestoga-Rovers & Associates, Inc., Quality Assurance Project Plan (QAPP), RCRA Facility Investigation and Removal Action Work, GM Powertrain - Bedford Plant, Ref No. 13968(009), Revision 1, August 13, 2003.
- Conestoga-Rovers & Associates, Inc., Quality Assurance Project Plan (QAPP), RCRA Facility Investigation and Removal Action Work, GM Powertrain - Bedford Plant, Ref No. 13968(153), Revision 1.2, December 21, 2005.
- Conestoga-Rovers & Associates, Inc., Quality Assurance Project Plan (QAPP), RCRA Facility Investigation and Removal Action Work, GM Powertrain - Bedford Plant, Ref No. 13968(153), Revision 2, July 25, 2006.

- Conestoga-Rovers & Associates, Inc., Quality Assurance Project Plan (QAPP) Addendum No. 1 (Rev. 1.1), Ref. No. 13968(153), December 21, 2005.
- Conestoga-Rovers & Associates, Inc., RCRA Corrective Action Program, IM Alternatives Review Report, East Plant Area, Ref. No. 13968 (151), April 13, 2005.
- Conestoga-Rovers & Associates, Inc., Request for Amendment, 40 CFR § 761.61 (c) Approval, Over 50 mg/kg PCB Soil Source Removal And Cover System Design, West Plant Area, GM Powertrain Facility, Ref. No. 13968(253), December 12, 2007.
- Conestoga-Rovers & Associates, Inc., Ambient Air Quality Monitoring Plan (AAQMP), May 2004.
- Conestoga-Rovers & Associates, Inc., Consolidated Health and Safety Plan (HASP), November 2004.
- Conestoga-Rovers & Associates, Inc., Interim Measures Alternatives Review Report, April 2005.
- Conestoga-Rovers & Associates, Inc., Quality Assurance Project Plan (QAPP) Rev. 1.0, August 13, 2003.
- Conestoga-Rovers & Associates, Inc., Quality Assurance Project Plan (QAPP) Addendum No. 1 (Rev. 1.1), December 21, 2004.
- U.S. EPA, 1989d, Requirements for hazardous waste landfill design, construction and closure. EPA/625/4-89/022. U.S. Environmental Protection Agency, Washington, DC.
- Conestoga-Rovers & Associates, Inc., East Plant Area Cover System Design Report, April 2007.
- Conestoga-Rovers & Associates, Inc., East Plant Area Cover System Design Report, Revision 1, April 18, 2008.

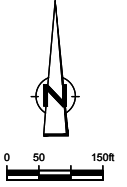
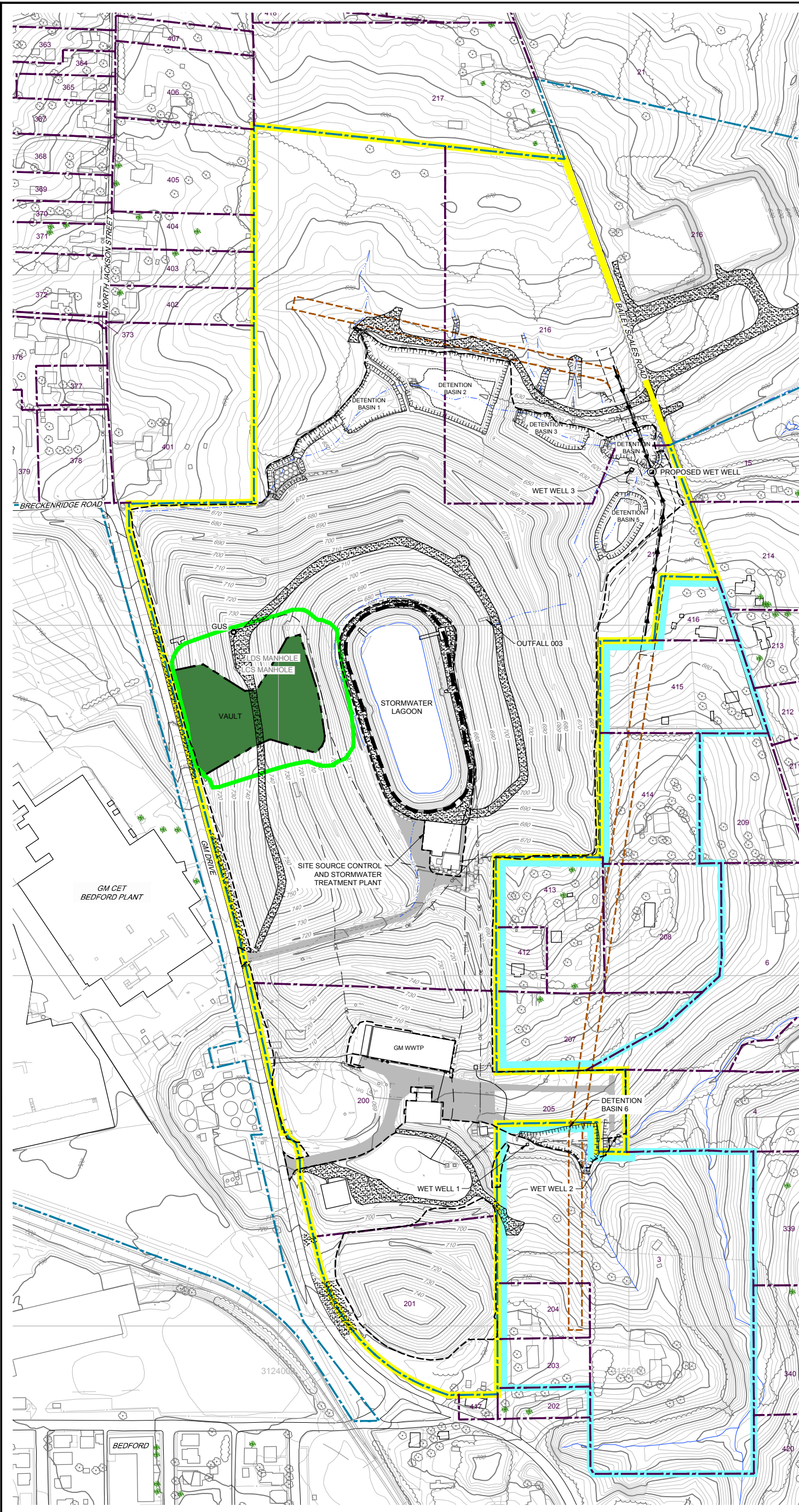
Section 12.0 Construction Certification

I certify that, to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the preparation of this report, the information submitted is true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES



James J. McGuigan, P.E.
Project Coordinator



LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- EXISTING FENCE LINE
- EXISTING RAILROAD TRACKS
- EXISTING DIRT ROADS
- EXISTING ROADS / PAVED AREAS
- EXISTING FORCEMAIN TO TREATMENT FACILITY
- EXISTING OVERHEAD ELECTRICAL POWER LINE
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE GM PROPERTY BOUNDARY
- APPROXIMATE PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- VAULT FOOTPRINT
- VAULT LINER "FLAP"
- GM LLC OWNED RESIDENTIAL
- EAST PLANT AREA
- FINAL VAULT COVER SYSTEM AT SURFACE
- GRAVEL BED
- PAVED COVER SURFACE
- HARD SURFACE COVER SYSTEM
- TOP OF BANK
- PROPOSED FUTURE TRENCH ALIGNMENT
- PROPOSED PILOT TRENCH
- VAULT GROUNDWATER UNDERDRAIN SYSTEM SUMP
- LEAK DETECTION SYSTEM SUMP
- LEACHATE COLLECTION SYSTEM SUMP

NOTE:
GM PROPERTY BOUNDARY SURVEY BY BLEDSOE RIGGERT GUERRETZ RECEIVED OCTOBER 2007. ADJACENT PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. ADJOINING PROPERTY LINES MAY NOT ACCURATELY REPRESENT THE TRUE PROPERTY BOUNDARIES

AS-BUILT DRAWINGS
THIS AS-BUILT DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. THESE DRAWINGS ARE INTENDED TO INCORPORATE ADDENDA, CHANGE ORDERS AND OTHER MATERIAL DESIGN CHANGES, BUT NOT NECESSARILY ALL SITE INSTRUCTIONS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS AS-BUILT DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE. THE ORIGINAL CONTRACT DRAWINGS ISSUED FOR CONSTRUCTION ARE AFFIXED WITH ENGINEERS SEAL.

N2	Revision	Date	Initial

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved _____

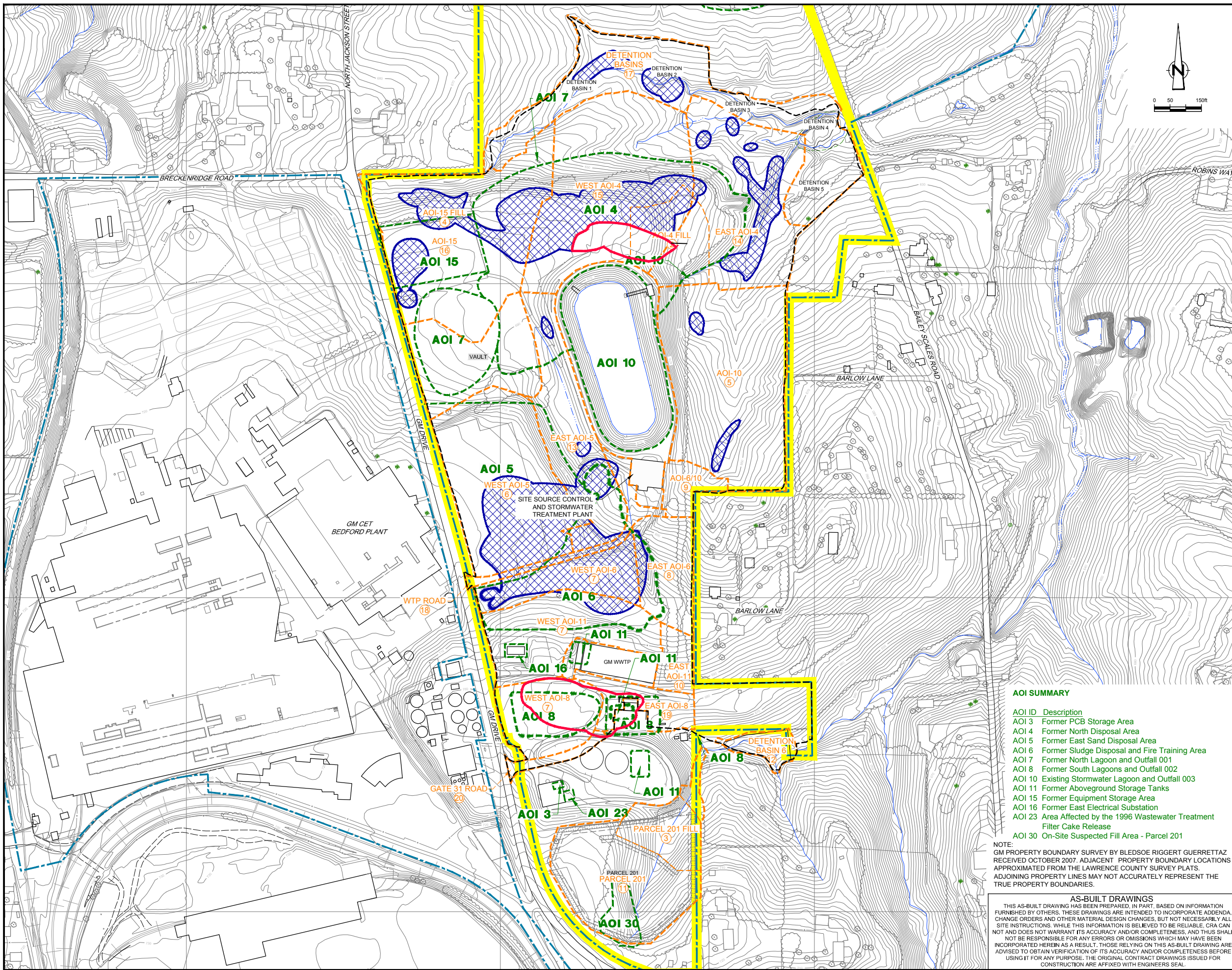
**GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

CONSTRUCTION CERTIFICATION REPORT EAST PLANT AREA COVER SYSTEM

EAST PLANT AREA

Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2008.

Project Manager: J.M.	Reviewed By: S.G.	Date: MARCH 2014
Scale: AS SHOWN	Project N ^o : 13968-00	Report N ^o : 350
		Drawing N ^o : figure 1.2



No.	Revision	Date	Initial

LEGEND

- GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- VEGETATION
- BUILDINGS
- FENCE LINE
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE GM PROPERTY BOUNDARY
- APPROXIMATE PROPERTY BOUNDARY
- 720 EAST PLANT AREA AS-BUILT FINAL CONTOUR (feet AMSL)
- EAST PLANT AREA
- PRESCRIPTIVE SOIL EXCAVATION (≥50 PPM OF PCBs)
- AOI BOUNDARY
- CONSTRUCTION PHASING DELINEATION
- COVER SYSTEM LIMIT
- LIMIT OF GRADING
- MATERIAL IMPRACTICAL TO REMOVE

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

AS RECORDED	Status	Date	Initial

- AOI SUMMARY**
- AOI ID Description
 - AOI 3 Former PCB Storage Area
 - AOI 4 Former North Disposal Area
 - AOI 5 Former East Sand Disposal Area
 - AOI 6 Former Sludge Disposal and Fire Training Area
 - AOI 7 Former North Lagoon and Outfall 001
 - AOI 8 Former South Lagoons and Outfall 002
 - AOI 10 Existing Stormwater Lagoon and Outfall 003
 - AOI 11 Former Aboveground Storage Tanks
 - AOI 15 Former Equipment Storage Area
 - AOI 16 Former East Electrical Substation
 - AOI 23 Area Affected by the 1996 Wastewater Treatment Filter Cake Release
 - AOI 30 On-Site Suspected Fill Area - Parcel 201

NOTE:
 GM PROPERTY BOUNDARY SURVEY BY BLEDSOE RIGGETT GUERRETZ RECEIVED OCTOBER 2007. ADJACENT PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. ADJOINING PROPERTY LINES MAY NOT ACCURATELY REPRESENT THE TRUE PROPERTY BOUNDARIES.

AS-BUILT DRAWINGS
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**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

CONSTRUCTION CERTIFICATION REPORT EAST PLANT AREA COVER SYSTEM

CONSTRUCTION PHASING PLAN

CONESTOGA-ROVERS & ASSOCIATES

Source Reference: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001 AND CRA SURVEYS 2002 TO 2008.

Project Manager:	Reviewed By:	Date:
J.M.	C.R.H.	MARCH 2013
Scale:	Project No.:	Report No.:
1" = 150'	13968-00	350

Drawing No.: **figure 3.1**

TABLE 3.2.1

**SUMMARY OF CLAY SOURCE PERMEABILITY TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Sample Identification</i>	<i>Sample Collection Date</i>	<i>Test Pit Number (1)</i>	<i>Permeability (cm/sec) ⁽²⁾</i>	<i>Pass/Fail</i>	<i>Comments</i>
Clay - Borrow Source 39-1					
S-101306-YM-EES077	10/13/2006	TP1	4.8x10-9	FAIL	Retest - high swelling clay
S-101306-YM-EES078	10/13/2006	TP2	3.8x10-9	PASS	
S-101306-YM-EES079	10/13/2006	TP3	9.9x10-9	FAIL	Retest - low clay % (min 25% required)
S-101306-YM-EES080	10/13/2006	TP4	4.3x10-8	PASS	
S-101306-YM-EES081	10/13/2006	TP5	1.7x10-8	PASS	
S-052407-YM-EES088	5/24/2007	TP6	1.0x10-7	PASS	
S-052407-YM-EES089	5/24/2007	TP7	3.4x10-9	PASS	
S-052407-YM-EES090	5/24/2007	TP8	3.3x10-8	PASS	
S-052407-YM-EES091	5/24/2007	TP9	1.1x10-8	FAIL	Retest - low density, high water content
S-073107-YM-EES092	7/31/2007	TP1R	7.5x10-9	PASS	
S-080307-YM-EES097	8/3/2007	TP9R	-	PASS	Permeability passed in original sample
S-081507-YM-EES098	8/15/2007	TP1B	1.2x10-8	PASS	
S-081507-YM-EES099	8/15/2007	TP3R	3.9x10-8	PASS	
S-042308-YM-EES105	4/23/2008	TP10	9.1x10-9	PASS	
S-042308-YM-EES106	4/23/2008	TP11	6.4x10-9	PASS	
S-063008-YM-EES107	6/30/2008	TP12	5.9x10-9	PASS	
S-063008-YM-EES108	6/30/2008	TP14	2.8x10-9	PASS	
S-070208-YM-EES113	7/2/2008	TP13	1.3x10-8	PASS	
S-070208-YM-EES114	7/2/2008	TP15	2.3x10-8	PASS	
S-100208-YM-EES140	10/2/2008	TP16	5.4x10-9	PASS	
S-100208-YM-EES141	10/2/2008	TP17	5.4x10-8	PASS	
S-100208-YM-EES142	10/2/2008	TP18	1.7x10-8	PASS	
S-100208-YM-EES143	10/2/2008	TP19	2.5x10-8	PASS	
Clay - Borrow Source 39-7					
S-070208-YM-EES109	7/2/2008	TP71	4.5x10-8	PASS	
S-070208-YM-EES110	7/2/2008	TP73	1.2x10-7	FAIL	Unusable for East Plant cover
S-070208-YM-EES111	7/2/2008	TP74	8.2x10-9	PASS	
S-070208-YM-EES112	7/2/2008	TP72	8.9x10-8	PASS	

TABLE 3.2.1

**SUMMARY OF CLAY SOURCE PERMEABILITY TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Sample Identification</i>	<i>Sample Collection Date</i>	<i>Test Pit Number (1)</i>	<i>Permeability (cm/sec) ⁽²⁾</i>	<i>Pass/Fail</i>	<i>Comments</i>
Clay - Ingram					
S-INGRAM-040610-GS-37214	4/6/2010	-	9.3x10-9	PASS	
S-INGRAM-040610-GS-37215	4/6/2010	-	1.3x10-8	PASS	
S-INGRAM-040610-GS-37217	4/6/2010	-	1.5x10-8	PASS	
S-INGRAM-040610-GS-37219	4/6/2010	-	1.9x-10-8	PASS	
S-INGRAM-040610-GS-37220	4/6/2010	-	2.0x10-8	PASS	
S-INGRAM-083010-SB-37312	8/30/2010	-	1.9x10-8	PASS	
S-INGRAM-091510-SB-37336b	9/15/2010	-	2.1x10-8	PASS	
S-INGRAM-092110-SB-37337	9/21/2010	-	7.5x10-9	PASS	
S-INGRAM-100410-SB-37474	10/4/2010	-	6.8x10-9	PASS	
S-INGRAM-110110-SB-37503	11/1/2010	-	5.6x10-8	PASS	
S-INGRAM-051711-SB-37516	5/17/2011	-	1.4x10-8	PASS	
S-INGRAM-100411-SB-37553A	10/4/2011	-	3.7x10-8	PASS	

Notes:

⁽¹⁾ R - retest, B - next 5 foot depth area

⁽²⁾ Results based on the performance of test permeability ASTM D 5084 by TSC. Acceptance of results requires 1.0×10^{-7} cm/s.

TABLE 3.2.2
SUMMARY OF CLAY COMPACTION TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Date	Area	Location	Test ID	Daily Test Number	Test Depth (inches)	Elevation of Test	Proctor Soil ID/Lab # ⁽¹⁾	Optimum Moisture Content (%) ⁽²⁾	Moisture Content (%)	Moisture Content Above/Below Optimum Moisture (%) ⁽³⁾	Moisture Content Test Pass/Fail	Maximum Dry Density (Pound-Force per ft3) ⁽¹⁾	Dry Density (Pound-Force per ft3)	Wet Density (Pound-Force per ft3)	Compaction (%) ⁽⁴⁾	Compaction Test Pass/Fail	PSI Pass/Fail Code ⁽⁵⁾	Overall Test Pass/Fail	Comments
17-Jul-08	Area 4	WTP Road	TP8	1	6	-	-	17.3	19.6	2.3	PASS	104.8	104.6	125.2	99.8	PASS	-	PASS	
17-Jul-08	Area 4	WTP Road	TP8	2	6	-	-	17.3	18.7	1.4	PASS	104.8	102.9	122.2	98.2	PASS	-	PASS	
17-Jul-08	Area 4	WTP Road	TP8	3	6	-	-	17.3	18.1	0.8	PASS	104.8	104.1	123.0	99.3	PASS	-	PASS	
17-Jul-08	Area 4	WTP Road	TP7	4	6	-	-	18.2	21.6	3.4	PASS	104.9	100.4	122.0	95.7	PASS	-	PASS	
17-Jul-08	Area 4	WTP Road	TP8	5	6	-	-	17.3	18.3	1.0	PASS	104.8	101.4	120.0	96.8	PASS	-	PASS	
18-Jul-08	Area 4	WTP Road	TP8	1	6	-	-	17.3	19.7	2.4	PASS	104.8	105.0	125.6	100.2	PASS	-	PASS	
18-Jul-08	Area 4	WTP Road	TP8	2	6	-	-	17.3	20.6	3.3	PASS	104.8	100.6	121.4	96.0	PASS	-	PASS	
21-Jul-08	Area 3	East AOI-10	TP9R	1	6	-	-	17.1	17.2	0.1	PASS	102.2	102.5	120.2	100.3	PASS	-	PASS	
21-Jul-08	Area 3	East AOI-10	TP9R	2	6	-	-	17.1	18.2	1.1	PASS	102.2	109.7	129.6	107.3	PASS	-	PASS	
21-Jul-08	Area 3	East AOI-10	TP9R	3	6	-	-	17.1	19.1	2.0	PASS	102.2	97.5	116.1	95.4	PASS	-	PASS	
21-Jul-08	Area 3	East AOI-10	TP9R	4	6	-	-	17.1	19.5	2.4	PASS	102.2	97.2	116.2	95.1	PASS	-	PASS	
21-Jul-08	Area 3	East AOI-10	TP9R	5	6	-	-	17.1	18.1	1.0	PASS	102.2	99.0	116.9	96.9	PASS	-	PASS	
23-Jul-08	Area 4	WTP Road	TP8	1	6	-	-	17.3	17.3	0.0	PASS	104.8	106.3	124.7	101.5	PASS	-	PASS	
23-Jul-08	Area 4	WTP Road	TP7	2	6	-	-	18.2	18.2	0.0	PASS	104.9	104.5	123.5	99.6	PASS	-	PASS	
23-Jul-08	Area 4	WTP Road	TP8	3	6	-	-	17.3	17.3	0.0	PASS	104.8	106.3	124.7	101.5	PASS	-	PASS	
23-Jul-08	Area 4	WTP Road	TP8	4	6	-	-	17.3	18.6	1.3	PASS	104.8	104.4	123.7	99.6	PASS	-	PASS	
23-Jul-08	Area 4	WTP Road	TP8	5	6	-	-	17.3	18.3	1.0	PASS	104.8	110.2	130.4	105.2	PASS	-	PASS	
23-Jul-08	Area 4	WTP Road	TP8	6	6	-	-	17.3	20.3	3.0	PASS	104.8	102.0	122.7	97.3	PASS	-	PASS	
23-Jul-08	Area 4	WTP Road	TP8	7	6	-	-	17.3	17.3	0.0	PASS	104.8	104.5	122.5	99.7	PASS	-	PASS	
24-Jul-08	Area 4	WTP Road	TP7	1	6	-	-	18.2	21.3	3.1	PASS	104.9	100.9	122.5	96.3	PASS	-	PASS	
24-Jul-08	Area 4	WTP Road	TP8	2	6	-	-	17.3	20.4	3.1	PASS	104.8	99.8	120.2	95.2	PASS	-	PASS	
24-Jul-08	Area 4	WTP Road	TP8	3	6	-	-	17.3	18.6	1.3	PASS	104.8	103.4	122.6	98.7	PASS	-	PASS	
24-Jul-08	Area 4	WTP Road	TP8	4	6	-	-	17.3	21.3	4.0	PASS	104.8	100.8	122.3	96.2	PASS	-	PASS	
24-Jul-08	Area 4	WTP Road	TP8	5	6	-	-	17.3	20.7	3.4	PASS	104.8	106.1	128.0	101.2	PASS	-	PASS	
24-Jul-08	Area 4	WTP Road	TP8	6	6	-	-	17.3	19.0	1.7	PASS	104.8	102.5	121.9	97.8	PASS	-	PASS	
24-Jul-08	Area 4	WTP Road	TP8	7	6	-	-	17.3	20.3	3.0	PASS	104.8	100.8	121.3	96.2	PASS	-	PASS	
25-Jul-08	Area 3	East AOI-10	TP9R	1	6	-	-	17.1	18.1	1.0	PASS	102.2	110.8	130.8	108.4	PASS	-	PASS	
25-Jul-08	Area 3	East AOI-10	TP9R	2	6	-	-	17.1	19.2	2.1	PASS	102.2	98.6	117.6	96.5	PASS	-	PASS	
26-Jul-08	Area 3	East AOI-10	TP9R	1	6	-	-	17.1	17.4	0.3	PASS	102.2	97.9	114.9	95.8	PASS	-	PASS	
26-Jul-08	Area 3	East AOI-10	TP9R	2	6	-	-	17.1	18.3	1.2	PASS	102.2	107.3	126.8	105.0	PASS	-	PASS	
26-Jul-08	Area 3	East AOI-10	TP9R	3	6	-	-	17.1	17.5	0.4	PASS	102.2	107.2	126.0	104.9	PASS	-	PASS	
26-Jul-08	Area 3	East AOI-10	TP9R	4	6	-	-	17.1	18.6	1.5	PASS	102.2	108.5	128.7	106.2	PASS	-	PASS	
26-Jul-08	Area 3	East AOI-10	TP9R	5	6	-	-	17.1	17.8	0.7	PASS	102.2	97.4	114.8	95.3	PASS	-	PASS	
29-Jul-08	Area 3	East AOI-10	TP9R	1	6	-	-	17.1	18.2	1.1	PASS	102.2	103.7	122.5	101.4	PASS	-	PASS	
29-Jul-08	Area 3	East AOI-10	TP9R	2	6	-	-	17.1	18.3	1.2	PASS	102.2	108.1	128.0	105.8	PASS	-	PASS	
29-Jul-08	Area 3	East AOI-10	TP4	3	6	-	-	15.1	16.1	1.0	PASS	107.5	105.8	122.9	98.4	PASS	-	PASS	
29-Jul-08	Area 3	East AOI-10	TP9R	4	6	-	-	17.1	17.6	0.5	PASS	102.2	106.1	124.8	98.7	PASS	-	PASS	
7-Aug-08	Area 3	East AOI-10	TP9R	1	6	-	-	17.1	19.0	1.9	PASS	102.2	100.7	119.9	102.2	PASS	-	PASS	
7-Aug-08	Area 3	East AOI-10	TP9R	2	6	-	-	17.1	17.5	0.4	PASS	102.2	109.7	129.0	107.4	PASS	-	PASS	
7-Aug-08	Area 3	East AOI-10	TP9R	3	6	-	-	17.1	20.5	3.4	PASS	102.2	98.8	119.0	96.6	PASS	-	PASS	
7-Aug-08	Area 3	East AOI-10	TP9R	4	6	-	-	17.1	20.3	3.2	PASS	102.2	97.4	117.2	95.3	PASS	-	PASS	
7-Aug-08	Area 3	East AOI-10	TP9R	5	6	-	-	17.1	19.9	2.8	PASS	102.2	102.5	120.9	100.3	PASS	-	PASS	
11-Aug-08	Area 3	East AOI-10	TP9R	1	6	-	-	17.1	17.8	0.7	PASS	102.2	106.6	125.6	104.3	PASS	-	PASS	
11-Aug-08	Area 3	East AOI-10	TP9R	2	6	-	-	17.1	17.1	0.0	PASS	102.2	97.8	114.5	95.7	PASS	-	PASS	
13-Aug-08	Area 2	AOI-6	TP11	1	6	-	-	20.2	21.5	1.3	PASS	101.7	103.2	125.4	101.5	PASS	-	PASS	
13-Aug-08	Area 2	AOI-6	TP11	2	6	-	-	20.2	20.2	0	PASS	101.7	101.8	122.4	100.1	PASS	-	PASS	
13-Aug-08	Area 2	AOI-6	TP11	3	6	-	-	20.2	22.6	2.4	PASS	101.7	97.2	119.2	95.6	PASS	-	PASS	
14-Aug-08	Area 2	AOI-6	TP11	1	6	-	-	20.2	20.3	0.1	PASS	101.7	106.0	127.5	104.2	PASS	-	PASS	
14-Aug-08	Area 2	AOI-6	TP11	2	6	-	-	20.2	21.3	1.1	PASS	101.7	96.6	117.2	95.0	PASS	-	PASS	
14-Aug-08	Area 2	AOI-6	TP11	3	6	-	-	20.2	23.9	3.7	PASS	101.7	99.6	123.3	97.9	PASS	-	PASS	
14-Aug-08	Area 2	AOI-6	TP11	4	6	-	-	20.2	20.7	0.5	PASS	101.7	99.5	120.1	97.8	PASS	-	PASS	
14-Aug-08	Area 2	AOI-6	TP11	5	6	-	-	20.2	20.9	0.7	PASS	101.7	102.5	123.9	100.8	PASS	-	PASS	
20-Aug-08	Area 2	AOI-6	TP2	1	6	-	-	17.9	21.6	3.7	PASS	102.2	102.9	125.2	100.7	PASS	-	PASS	
20-Aug-08	Area 2	AOI-6	TP2	2	6	-	-	17.9	18.7	0.8	PASS	102.2	101.3	120.2	99.1	PASS	-	PASS	
20-Aug-08	Area 2	AOI-6	TP2	3	6	-	-	17.9	19.5	1.6	PASS	102.2	100.5	120.0	98.3	PASS	-	PASS	
20-Aug-08	Area 2	AOI-6	TP2	4	6	-	-	17.9	22.6	4.7	PASS	102.2	102.5	125.6	100.3	PASS	-	PASS	
27-Aug-08	Area 4	AOI-5	TP8	1	6	-	-	17.3	18.6	1.3	PASS	104.8	108.9	129.2	103.9	PASS	-	PASS	
27-Aug-08	Area 4	AOI-5	TP8	2	6	-	-	17.3	20.4	3.1	PASS	104.8	102.3	123.1	97.5	PASS	-	PASS	
27-Aug-08	Area 4	AOI-5	TP2	3	6	-	-	17.9	18.3	0.4	PASS	102.2	97.7	115.6	95.6	PASS	-	PASS	
27-Aug-08	Area 4	AOI-5	TP2	4	6	-	-	17.9	18.0	0.1	PASS	102.2	103.7	122.3	101.5	PASS	-	PASS	

TABLE 3.2.2
SUMMARY OF CLAY COMPACTION TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Date	Area	Location	Test ID	Daily Test Number	Test Depth (inches)	Elevation of Test	Proctor Soil ID/Lab # ⁽¹⁾	Optimum Moisture Content (%) ⁽²⁾	Moisture Content (%)	Moisture Content Above/Below Optimum Moisture (%) ⁽³⁾	Moisture Content Test Pass/Fail	Maximum Dry Density (Pound-Force per ft3) ⁽¹⁾	Dry Density (Pound-Force per ft3)	Wet Density (Pound-Force per ft3)	Compaction (%) ⁽⁴⁾	Compaction Test Pass/Fail	PSI Pass/Fail Code ⁽⁵⁾	Overall Test Pass/Fail	Comments
27-Aug-08	Area 4	AOI-5	TP8	5	6	-	-	17.3	19.5	2.2	PASS	104.8	100.6	120.2	96.0	PASS	-	PASS	
27-Aug-08	Area 4	AOI-5	TP2	6	6	-	-	17.9	18.7	0.8	PASS	102.2	98.7	117.1	96.6	PASS	-	PASS	
27-Aug-08	Area 4	AOI-5	TP8	7	6	-	-	17.3	17.8	0.5	PASS	104.8	99.7	117.5	95.1	PASS	-	PASS	
27-Aug-08	Area 4	AOI-5	TP8	8	6	-	-	17.3	19.4	2.1	PASS	104.8	107.3	128.0	102.4	PASS	-	PASS	
27-Aug-08	Area 4	AOI-5	TP8	9	6	-	-	17.3	19.3	2.0	PASS	104.8	99.6	118.8	95.0	PASS	-	PASS	
27-Aug-08	Area 4	AOI-5	TP8	10	6	-	-	17.3	17.4	0.1	PASS	104.8	109.9	129.0	104.9	PASS	-	PASS	
27-Aug-08	Area 4	AOI-5	TP8	11	6	-	-	17.3	17.8	0.5	PASS	104.8	100.4	118.3	95.8	PASS	-	PASS	
27-Aug-08	Area 4	AOI-5	TP2	12	6	-	-	17.9	20.7	2.8	PASS	102.2	97.8	118.0	95.7	PASS	-	PASS	
27-Aug-08	Area 4	AOI-5	TP8	13	6	-	-	17.3	17.6	0.3	PASS	104.8	109.5	128.8	104.5	PASS	-	PASS	
03-Sep-08	Area 4	AOI-5	TP2	1	6	-	-	17.9	20.6	2.7	PASS	102.2	97.6	117.7	95.3	PASS	-	PASS	
03-Sep-08	Area 4	AOI-5	TP2	2	6	-	-	17.9	18.1	0.2	PASS	102.2	98.9	116.8	96.6	PASS	-	PASS	
03-Sep-08	Area 4	AOI-5	TP2	3	6	-	-	17.9	20.1	2.2	PASS	102.2	98.2	118.0	95.9	PASS	-	PASS	
03-Sep-08	Area 4	AOI-5	TP2	4	6	-	-	17.9	18.9	1.0	PASS	102.2	97.6	116.1	95.3	PASS	-	PASS	
04-Sep-08	Area 4	AOI-5	TP2	1	6	-	-	17.9	18.8	0.9	PASS	102.2	105.7	125.6	103.3	PASS	-	PASS	
04-Sep-08	Area 4	AOI-5	TP2	2	6	-	-	17.9	17.9	0.0	PASS	102.2	102.9	121.4	100.5	PASS	-	PASS	
04-Sep-08	Area 4	AOI-5	TP2	3	6	-	-	17.9	18.2	0.3	PASS	102.2	104.2	123.3	101.8	PASS	-	PASS	
04-Sep-08	Area 4	AOI-5	TP2	4	6	-	-	17.9	18.3	0.4	PASS	102.2	104.1	123.2	101.7	PASS	-	PASS	
04-Sep-08	Area 4	AOI-5	TP2	5	6	-	-	17.9	19.0	1.1	PASS	102.2	99.2	118.0	96.8	PASS	-	PASS	
04-Sep-08	Area 4	AOI-5	TP2	6	6	-	-	17.9	20.4	2.5	PASS	102.2	103.9	125.1	101.5	PASS	-	PASS	
04-Sep-08	Area 4	AOI-5	TP2	7	6	-	-	17.9	20.4	2.5	PASS	102.2	107.8	129.8	105.3	PASS	-	PASS	
04-Sep-08	Area 4	AOI-5	TP2	8	6	-	-	17.9	20.2	2.3	PASS	102.2	102.1	122.7	99.7	PASS	-	PASS	
04-Sep-08	Area 4	AOI-5	TP2	9	6	-	-	17.9	18.0	0.1	PASS	102.2	105.1	124.1	102.7	PASS	-	PASS	
04-Sep-08	Area 4	AOI-5	TP2	10	6	-	-	17.9	21.1	3.2	PASS	102.2	98.5	119.2	96.2	PASS	-	PASS	
8-Sep-08	Area 3	East AOI-10	TP9R	1	6	-	-	17.1	21.1	4.0	PASS	102.2	103.7	125.5	101.4	PASS	-	PASS	
8-Sep-08	Area 3	East AOI-10	TP9R	2	6	-	-	17.1	15.7	-1.4	FAIL	102.2	102.2	118.2	99.7	PASS	-	PASS	(10)
8-Sep-08	Area 3	East AOI-10	TP9R	3	6	-	-	17.1	15.3	-1.8	FAIL	102.2	97.9	112.9	95.5	PASS	-	PASS	(10)
8-Sep-08	Area 3	East AOI-10	TP9R	4	6	-	-	17.1	16.3	-0.8	FAIL	102.2	97.8	113.7	95.4	PASS	-	PASS	(10)
8-Sep-08	Area 3	East AOI-10	TP9R	5	6	-	-	17.1	16.6	-0.5	FAIL	102.2	103.0	120.0	100.5	PASS	-	PASS	(10)
8-Sep-08	Area 3	East AOI-10	TP9R	6	6	-	-	17.1	16.6	-0.5	FAIL	102.2	101.1	117.9	98.7	PASS	-	PASS	(10)
8-Sep-08	Area 3	East AOI-10	TP9R	7	6	-	-	17.1	19.8	2.7	PASS	102.2	99.7	119.5	97.3	PASS	-	PASS	
8-Sep-08	Area 3	East AOI-10	TP9R	8	6	-	-	17.1	15.9	-1.2	FAIL	102.2	104.5	121.1	102.0	PASS	-	PASS	(10)
8-Sep-08	Area 3	East AOI-10	TP9R	9	6	-	-	17.1	19.1	2.0	PASS	102.2	98.1	116.9	95.8	PASS	-	PASS	
30-Oct-08	Area 1	AOI-6	TP2	1	6	-	-	17.9	18.0	0.1	PASS	102.2	103.6	122.3	101.4	PASS	-	PASS	
30-Oct-08	Area 1	AOI-8	TP72	2	6	-	-	17.8	17.9	0.1	PASS	107.5	107.4	126.6	99.9	PASS	-	PASS	
30-Oct-08	Area 1	AOI-8	TP72	3	6	-	-	17.8	20.0	2.2	PASS	107.5	102.7	123.3	95.6	PASS	-	PASS	
30-Oct-08	Area 1	AOI-8	TP72	4	6	-	-	17.8	18.1	0.3	PASS	107.5	105.4	124.5	98.1	PASS	-	PASS	
30-Oct-08	Area 1	AOI-8	TP72	5	6	-	-	17.8	17.8	0.0	PASS	107.5	106.8	125.9	99.3	PASS	-	PASS	
30-Oct-08	Area 1	AOI-8	TP72	6	6	-	-	17.8	19.9	2.1	PASS	107.5	103.6	124.2	96.4	PASS	-	PASS	
30-Oct-08	Area 1	AOI-8	TP72	7	6	-	-	17.8	18.4	0.6	PASS	107.5	106.2	128.8	98.8	PASS	-	PASS	
30-Oct-08	Area 1	AOI-8	TP72	8	6	-	-	17.8	18.3	0.5	PASS	107.5	105.8	125.2	98.4	PASS	-	PASS	
30-Oct-08	Area 1	AOI-8	TP72	9	6	-	-	17.8	19.3	1.5	PASS	107.5	104.4	124.5	97.1	PASS	-	PASS	
30-Oct-08	Area 1	AOI-8	TP72	10	6	-	-	17.8	18.1	0.3	PASS	107.5	110.8	130.8	103.0	PASS	-	PASS	
30-Oct-08	Area 1	AOI-8	TP74	11	6	-	-	18.4	18.4	0.0	PASS	104.9	102.2	121.0	97.4	PASS	-	PASS	
30-Oct-08	Area 1	AOI-8	TP74	12	6	-	-	18.4	18.5	0.1	PASS	104.9	101.8	120.6	97.0	PASS	-	PASS	
30-Oct-08	Area 1	AOI-8	TP74	13	6	-	-	18.4	18.8	0.4	PASS	104.9	100.0	118.8	95.4	PASS	-	PASS	
30-Oct-08	Area 1	AOI-8	TP74	14	6	-	-	18.4	18.7	0.3	PASS	104.9	105.3	125.0	100.4	PASS	-	PASS	
30-Oct-08	Area 1	AOI-8	TP74	15	6	-	-	18.4	19.5	1.1	PASS	104.9	102.3	122.2	97.5	PASS	-	PASS	
07-Nov-08	Area 4	AOI-5	TP15	1	6	-	-	18.8	19.2	0.4	PASS	104.8	100.1	119.4	95.6	PASS	-	PASS	
07-Nov-08	Area 4	AOI-5	TP15	2	6	-	-	18.8	18.8	0.0	PASS	104.8	99.9	118.6	95.3	PASS	-	PASS	
07-Nov-08	Area 4	AOI-5	TP15	3	6	-	-	18.8	20.1	1.3	PASS	104.8	100.4	120.6	95.8	PASS	-	PASS	
07-Nov-08	Area 4	AOI-5	TP15	4	6	-	-	18.8	18.8	0.0	PASS	104.8	108.8	129.3	103.9	PASS	-	PASS	
20-Nov-08	Area 1	AOI-6	TP13	1	6	-	-	18.3	20.7	2.4	PASS	106.8	107.0	129.2	100.2	PASS	-	PASS	
20-Nov-08	Area 2	AOI-6	TP13	2	6	-	-	18.3	18.8	0.5	PASS	106.8	109.6	130.1	102.6	PASS	-	PASS	
20-Nov-08	Area 2	AOI-6	TP13	3	6	-	-	18.3	18.4	0.1	PASS	106.8	115.0	136.2	107.7	PASS	-	PASS	
4-Dec-08	Area 1	AOI-8 Road	TP19	1	6	-	-	19.0	21.7	2.7	PASS	103.9	102.0	124.2	98.2	PASS	-	PASS	
4-Dec-08	Area 1	AOI-8 Road	TP19	2	6	-	-	19.0	22.2	3.2	PASS	103.9	100.4	122.7	96.6	PASS	-	PASS	
4-Dec-08	Area 1	AOI-8 Road	TP19	3	6	-	-	19.0	21.1	2.1	PASS	103.9	107.4	130.1	103.4	PASS	-	PASS	
5-Dec-09	Area 1	Parcel 201	SES-153	1	6	725.00	0014434-11-S1	21.8	23.2	1.4	PASS	99.0	100.0	123.2	101.0	PASS	6A	PASS	
5-Dec-09	Area 1	Parcel 201	SES-153	2	6	724.00	0014434-11-S1	21.8	25.1	3.3	PASS	99.0	95.3	119.2	96.3	PASS	6A	PASS	
5-Dec-09	Area 1	Parcel 201	SES-153	3	6	726.00	0014434-11-S1	21.8	25.6	3.8	PASS	99.0	95.9	120.4	96.9	PASS	6A	PASS	

TABLE 3.2.2
SUMMARY OF CLAY COMPACTION TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Date	Area	Location	Test ID	Daily Test Number	Test Depth (inches)	Elevation of Test	Proctor Soil ID/Lab # ⁽¹⁾	Optimum Moisture Content (%) ⁽²⁾	Moisture Content (%)	Moisture Content Above/Below Optimum Moisture (%) ⁽³⁾	Moisture Content Test Pass/Fail	Maximum Dry Density (Pound-Force per ft3) ⁽¹⁾	Dry Density (Pound-Force per ft3)	Wet Density (Pound-Force per ft3)	Compaction (%) ⁽⁴⁾	Compaction Test Pass/Fail	PSI Pass/Fail Code ⁽⁵⁾	Overall Test ⁽⁶⁾ Pass/Fail	Comments
31-Aug-10	Area 4	AOI-5	TP-15	1	6	699.45	External	18.8	19.1	0.3	PASS	104.8	101.4	120.8	96.8	PASS	6A	PASS	
31-Aug-10	Area 4	AOI-5	TP-15	2	6	705.33	External	18.8	21.4	2.6	PASS	104.8	103.1	125.1	98.3	PASS	6A	PASS	
31-Aug-10	Area 4	AOI-5	TP-15	3	6	704.70	External	18.8	21.4	2.6	PASS	104.8	103.0	125.1	98.3	PASS	6A	PASS	
31-Aug-10	Area 4	AOI-5	TP-15	4	6	698.37	External	18.8	19.9	1.1	PASS	104.8	105.4	126.4	100.6	PASS	6A	PASS	
31-Aug-10	Area 4	AOI-5	TP-15	5	6	694.78	External	18.8	19.5	0.7	PASS	104.8	100.4	120.0	95.8	PASS	6A	PASS	
31-Aug-10	Area 4	AOI-5	TP-15	6	6	703.85	External	17.8	19.8	2.0	PASS	107.5	102.9	123.3	95.7	PASS	6A	PASS	
31-Aug-10	Area 4	AOI-5	TP-15	7	6	702.41	External	17.8	18.9	1.1	PASS	107.5	105.2	125.1	97.9	PASS	6A	PASS	
31-Aug-10	Area 4	AOI-5	TP-15	8	6	689.91	External	17.8	18.3	0.5	PASS	107.5	104.6	123.7	97.3	PASS	6A	PASS	
31-Aug-10	Area 4	AOI-5	TP-15	9	6	691.19	External	17.8	19.3	1.5	PASS	107.5	105.8	126.2	98.4	PASS	6A	PASS	
31-Aug-10	Area 4	AOI-5	TP-15	10	6	693.16	External	17.8	22.0	4.2	PASS	107.5	103.4	126.2	96.2	PASS	6A	PASS	
08-Sep-10	Area 4	AOI-5	15-S1	11	6	685.87	0014512-15-S1	14.7	15.4	0.7	PASS	112.4	106.9	123.4	95.1	PASS	6A	PASS	
08-Sep-10	Area 4	AOI-5	15-S1	12	6	693.11	0014512-15-S1	14.7	16.2	1.5	PASS	112.4	109.0	126.6	96.9	PASS	6A	PASS	
08-Sep-10	Area 4	AOI-5	15-S1	13	6	692.52	0014512-15-S1	14.7	18.8	4.1	PASS	112.4	107.7	127.9	95.8	PASS	6A	PASS	
08-Sep-10	Area 4	AOI-5	15-S1	14	6	690.75	0014512-15-S1	14.7	15.8	1.1	PASS	112.4	107.3	124.2	95.4	PASS	6A	PASS	
08-Sep-10	Area 4	AOI-5	15-S1	15	6	691.42	0014512-15-S1	14.7	14.8	0.1	PASS	112.4	116.8	134.1	103.9	PASS	6A	PASS	
11-Oct-10	Area 5	AOI-4	CT-1	1	6	686.48	0014512-15-S1	14.7	16.9	2.2	PASS	112.4	111.4	130.2	99.1	PASS	6A	PASS	
11-Oct-10	Area 5	AOI-4	CT-2	2	6	638.09	0014512-15-S1	14.7	17.1	2.4	PASS	112.4	111.5	130.6	99.2	PASS	6A	PASS	
11-Oct-10	Area 5	AOI-4	CT-3	3	6	687.35	0014512-15-S1	14.7	18.5	3.8	PASS	112.4	109.7	130.0	97.6	PASS	6A	PASS	
11-Oct-10	Area 5	AOI-4	CT-4	4	6	690.24	0014512-15-S1	14.7	18.5	3.8	PASS	112.4	108.0	128.0	96.1	PASS	6A	PASS	
11-Oct-10	Area 5	AOI-4	CT-5	5	6	680.31	0014512-15-S1	14.7	18.3	3.6	PASS	112.4	109.0	128.9	96.9	PASS	6A	PASS	
11-Oct-10	Area 5	AOI-4	CT-6	6	6	698.81	0014512-15-S1	14.7	16.3	1.6	PASS	112.4	109.2	127.0	97.1	PASS	6A	PASS	
11-Oct-10	Area 5	AOI-4	CT-7	7	6	700.40	0014512-15-S1	14.7	16.3	1.6	PASS	112.4	111.5	129.7	99.2	PASS	6A	PASS	
12-Oct-10	Area 5	AOI-4	CT-1A	1	6	686.24	0014512-15-S1	14.7	18.7	4.0	PASS	112.4	107.9	128.1	96.0	PASS	6A	PASS	
12-Oct-10	Area 5	AOI-4	CT-5A	2	6	679.94	0014512-15-S1	14.7	17.9	3.2	PASS	112.4	110.3	130.1	98.2	PASS	6A	PASS	
12-Oct-10	Area 5	AOI-4	CT-6A	3	6	698.61	0014512-15-S1	14.7	16.6	1.9	PASS	112.4	110.0	128.3	97.9	PASS	6A	PASS	
12-Oct-10	Area 5	AOI-4	CT-8	4	6	682.61	0014512-15-S1	14.7	14.9	0.2	PASS	112.4	108.0	124.1	96.1	PASS	6A	PASS	
12-Oct-10	Area 5	AOI-4	CT-9	5	6	690.85	0014512-15-S1	14.7	15.4	0.7	PASS	112.4	115.1	132.8	102.4	PASS	6A	PASS	
12-Oct-10	Area 5	AOI-4	CT-10	6	6	688.43	0014512-15-S1	14.7	15.0	0.3	PASS	112.4	114.3	131.4	101.6	PASS	6A	PASS	
12-Oct-10	Area 5	AOI-4	CT-11	7	6	701.47	0014512-2-S2	21.8	24.7	2.9	PASS	99.0	97.4	121.5	98.4	PASS	6A	PASS	
12-Oct-10	Area 5	AOI-4	CT-12	8	6	689.77	0014512-2-S2	21.8	23.2	1.4	PASS	99.0	95.0	117.0	95.9	PASS	6A	PASS	
12-Oct-10	Area 5	AOI-4	CT-13	9	6	694.34	0014512-2-S2	21.8	22.2	0.4	PASS	99.0	96.9	118.4	97.9	PASS	6A	PASS	
12-Oct-10	Area 5	AOI-4	CT-14	10	6	686.73	0014512-2-S2	21.8	24.9	3.1	PASS	99.0	96.5	120.5	97.5	PASS	6A	PASS	
19-May-11	Area 5	AOI-4	CPA5-1	1	6	655.24	0014637-5-S1	16.9	18.4	1.5	PASS	108.6	106.0	125.5	97.6	PASS	-	PASS	
19-May-11	Area 5	AOI-4	CPA5-2	2	6	648.48	0014637-6-S2	21.8	21.9	0.1	PASS	99.0	98.2	119.7	99.2	PASS	-	PASS	
19-May-11	Area 5	AOI-4	CPA5-7	3	6	687.53	0014637-4-S1	16.7	20.0	3.3	PASS	106.7	105.0	126.0	98.4	PASS	-	PASS	
19-May-11	Area 5	AOI-4	CPA5-4	4	6	686.29	0014637-5-S1	16.9	17.5	0.6	PASS	108.6	110.5	129.8	101.8	PASS	-	PASS	
2-Jun-11	Area 5	AOI-4	CPA5-5	1	6	634.68	0014637-5-S1	16.9	19.3	2.4	PASS	108.6	105.4	125.7	97.1	PASS	-	PASS	
2-Jun-11	Area 5	AOI-4	CPA5-6	2	6	647.42	0014637-6-S2	21.8	21.7	-0.1	PASS	99.0	95.4	116.1	96.4	PASS	-	PASS	
2-Jun-11	Area 5	AOI-4	CPA5-7	3	6	672.78	0014637-6-S2	21.8	21.9	0.1	PASS	99.0	98.1	119.6	99.1	PASS	-	PASS	
13-Jun-11	Area 5	AOI-4	CPA5-12	1	6	634.79	External	15.1	19.8	4.7	PASS	107.5	107.9	129.3	100.4	PASS	-	PASS	
13-Jun-11	Area 5	AOI-4	CPA5-13	2	6	665.74	External	21.8	21.8	0.0	PASS	99.0	96.4	117.4	97.4	PASS	-	PASS	
13-Jun-11	Area 5	AOI-4	CPA5-14	3	6	672.93	External	21.8	22.2	0.4	PASS	99.0	101.5	124.0	102.5	PASS	-	PASS	
17-Jun-11	Area 5	AOI-4	CPA5-15	1	6	651.13	External	22.5	24.4	1.9	PASS	98.6	99.9	124.3	101.3	PASS	-	PASS	
17-Jun-11	Area 5	AOI-4	CPA5-16	2	6	632.52	External	15.1	17.2	2.1	PASS	107.5	109.5	128.3	101.8	PASS	-	PASS	
17-Jun-11	Area 5	AOI-4	CPA5-17	3	6	648.48	External	22.5	25.0	2.5	PASS	98.6	100.4	125.5	101.8	PASS	-	PASS	
17-Jun-11	Area 5	AOI-4	CPA5-18	4	6	639.33	External	22.5	23.3	0.8	PASS	98.6	97.2	119.9	98.6	PASS	-	PASS	
17-Jun-11	Area 5	AOI-4	CPA5-19	5	6	669.00	External	22.5	22.6	0.1	PASS	98.6	97.1	119.1	98.5	PASS	-	PASS	
17-Jun-11	Area 5	AOI-4	CPA5-20	6	6	697.39	External	22.5	24.0	1.5	PASS	98.6	96.7	119.9	98.1	PASS	-	PASS	
17-Jun-11	Area 5	AOI-4	CPA5-21	7	6	703.22	External	22.5	22.5	0.0	PASS	98.6	98.3	120.4	99.7	PASS	-	PASS	
24-Jun-11	Area 5	AOI-4	CPA5-22	1	6	622.11	External	15.1	16.6	1.5	PASS	107.5	111.7	130.2	103.9	PASS	-	PASS	
24-Jun-11	Area 5	AOI-4	CPA5-23	2	6	626.75	External	15.1	17.6	2.5	PASS	107.5	106.5	125.2	99.0	PASS	-	PASS	
24-Jun-11	Area 5	AOI-4	CPA5-24	3	6	698.70	External	22.5	26.3	3.8	PASS	98.6	98.0	123.8	99.4	PASS	-	PASS	
24-Jun-11	Area 5	AOI-4	CPA5-25	4	6	679.90	0014637-4-S1	16.7	18.7	2.0	PASS	106.7	101.6	120.6	95.2	PASS	-	PASS	
24-Jun-11	Area 5	AOI-4	CPA5-26	5	6	679.58	0014637-4-S1	16.7	17.5	0.8	PASS	106.7	102.1	120.0	95.7	PASS	-	PASS	
14-Sep-11	Area 5	AOI-4	85CT-93	1	6	640.55	- ⁽⁷⁾	19.5	19.6	0.1	PASS	104.8	103.2	123.4	98.5	PASS	6A	PASS	
14-Sep-11	Area 5	AOI-4	85CT-94	2	6	640.70	- ⁽⁷⁾	19.5	19.5	0.0	PASS	104.8	100.1	119.6	95.5	PASS	6A	PASS	
7-Nov-11	Area 5	AOI-15	CP-129	1	6	706.40	0014637-50-S1	20.8	21.5	0.7	PASS	103.7	99.4	120.8	95.9	PASS	6A	PASS	
8-Nov-11	Area 5	AOI-15	CP-130	1	6	708.69	0014637-51-S1	20.8	21.1	0.3	PASS	103.7	100.5	121.7	96.9	PASS	6A	PASS	
8-Nov-11	Area 5	AOI-15	CP-131	2	6	693.85	0014637-51-S1	20.8	23.8	3.0	PASS	103.7	99.4	123.0	95.9	PASS	6A	PASS	
8-Nov-11	Area 5	AOI-15	CP-132	3	6	697.61	0014637-51-S1	20.8	21.0	0.2	PASS	103.7	100.3	121.4	96.7	PASS	6A	PASS	

TABLE 3.2.2
SUMMARY OF CLAY COMPACTION TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Date	Area	Location	Test ID	Daily Test Number	Test Depth (inches)	Elevation of Test	Proctor Soil ID/Lab # ⁽¹⁾	Optimum Moisture Content (%) ⁽²⁾	Moisture Content (%)	Moisture Content Above/Below Optimum Moisture (%) ⁽³⁾	Moisture Content Test Pass/Fail	Maximum Dry Density (Pound-Force per ft3) ⁽¹⁾	Dry Density (Pound-Force per ft3)	Wet Density (Pound-Force per ft3)	Compaction (%) ⁽⁴⁾	Compaction Test Pass/Fail	PSI Pass/Fail Code ⁽⁵⁾	Overall Test Pass/Fail	Comments
8-Nov-11	Area 5	AOI-15	CP-133	4	6	689.67	0014637-51-S1	20.8	22.2	1.4	PASS	103.7	99.8	121.9	96.2	PASS	6A	PASS	
11-Nov-11	Area 5	AOI-15	CP-134	1	6	706.74	0014637-52-S1	20.8	21.3	0.5	PASS	103.7	101.3	122.9	97.7	PASS	6A	PASS	
11-Nov-11	Area 5	AOI-15	CP-135	2	6	707.83	0014637-52-S1	20.8	21.0	0.2	PASS	103.7	98.5	119.2	95.0	PASS	6A	PASS	
18-Nov-11	Area 5	AOI-15	CP-136	1	6	681.34	0014637-56-S1	20.8	22.4	1.6	PASS	103.7	100.8	123.4	97.2	PASS	6A	PASS	
18-Nov-11	Area 5	AOI-15	CP-137	2	6	686.67	0014637-56-S1	20.8	23.5	2.7	PASS	103.7	101.9	125.9	98.3	PASS	6A	PASS	
18-Nov-11	Area 5	AOI-15	CP-138	3	6	689.16	0014637-56-S1	20.8	22.3	1.5	PASS	103.7	101.5	124.1	97.9	PASS	6A	PASS	
18-Nov-11	Area 5	AOI-15	CP-139	4	6	685.52	0014637-56-S1	20.8	23.1	2.3	PASS	103.7	99.5	122.5	95.9	PASS	6A	PASS	
18-Nov-11	Area 5	AOI-15	CP-140	5	6	673.43	0014637-56-S1	20.8	23.8	3.0	PASS	103.7	101.1	125.1	97.5	PASS	6A	PASS	
18-Nov-11	Area 5	AOI-15	CP-141	6	6	678.85	0014637-56-S1	20.8	23.8	3.0	PASS	103.7	101.0	125.0	97.4	PASS	6A	PASS	

Notes:

- ⁽¹⁾ Soil proctor information.
- ⁽²⁾ Test results included a fail value for the compaction test and/or moisture content, which required a subsequent retest either the same day or the next if a failure occurred.
- ⁽³⁾ Accepted moisture content to be within 0-5% of optimum moisture content of proctor.
- ⁽⁴⁾ Accepted compaction to be at least 95% of maximum dry density of proctor.
- ⁽⁵⁾ PSI Pass/Fail Codes are as follows:
 1 = Fill material A = Test results comply with specifications
 2 = Backfill B = Compaction does not comply with specifications
 3 = Base course C = Retest of previous test
 4 = Sub-base D = Moisture in excess of specifications
 5 = Soil cement E = Moisture below specifications
 6 = Other
- ⁽⁶⁾ Moisture content results were below optimum moisture percentage, however the compaction at these locations all exceeded the 95% criteria. More importantly, permeability samples collected within the same area of the cover system (specifically samples ST-28, ST-42 and ST-43) showed permeability results an order of magnitude or more below the 1x10⁻⁷ cm/sec criteria.
- ⁽⁷⁾ No proctor ID available for tests conducted in September 2011, only field data available
- "-" Information unavailable

TABLE 3.2.3

**SUMMARY OF COMPACTED CLAY PERMEABILITY TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Sample Collection Date</i>	<i>Sample Identification</i>	<i>Area</i>	<i>Sample Location</i>	<i>Sample Length (cm)</i>	<i>Test Number</i>	<i>Permeability (cm/sec) ⁽¹⁾</i>	<i>Comments</i>
2-Aug-07	S-060207-YM-EES093	Area 4	AOI-5	5.2	ST-15	2.70E-07	Northwest GM Parking Lot
2-Aug-07	S-060207-YM-EES094	Area 4	AOI-5	5.2	ST-16	1.50E-08	Northeast GM Parking Lot
2-Aug-07	S-060207-YM-EES095	Area 4	AOI-5	5.1	ST-17	1.90E-08	Southeast GM Parking Lot
2-Aug-07	S-060207-YM-EES096	Area 4	AOI-5	5.2	ST-18	7.40E-09	Southwest GM Parking Lot
28-Jul-08	S-072808-YM-EES115	Area 3	EAOI-10	-	ST-23	-	Sample was damaged and was not sent for testing
28-Jul-08	S-072808-YM-EES116	Area 3	EAOI-10	-	ST-24	-	Sample sent for testing but results will not be used for final East Plant Cover. Sample fell apart during transport
28-Jul-08	S-072808-YM-EES117	Area 3	EAOI-10	-	ST-25	-	Sample was damaged and was not sent for testing
28-Jul-08	S-072808-YM-EES118	Area 3	EAOI-10	5.0	ST-26	8.70E-07	Sample sent for testing but results will not be used for final East Plant Cover.
28-Jul-08	S-072808-YM-EES119	Area 4	S AOI-5/WTP Road	5.2	ST-27	7.40E-09	
29-Jul-08	S-072908-YM-EES120	Area 3	EAOI-10	5.2	ST-28	5.60E-09	
29-Jul-08	S-072908-YM-EES121	Area 3	EAOI-10	5.1	ST-29	1.20E-08	
29-Jul-08	S-072908-YM-EES122	Area 3	EAOI-10	5.2	ST-30	7.00E-09	
7-Aug-08	S-080708-YM-EES123	Area 3	EAOI-10	5.2	ST-31	6.00E-09	
7-Aug-08	S-080708-YM-EES124	Area 3	EAOI-10	5.2	ST-32	4.70E-09	
7-Aug-08	S-080708-YM-EES125	Area 3	EAOI-10	5.2	ST-33	7.90E-09	
13-Aug-08	S-081308-YM-EES126	Area 2	AOI-6	5.2	ST-34	3.10E-09	
14-Aug-08	S-081408-YM-EES127	Area 2	AOI-6	5.2	ST-35	5.50E-09	
15-Aug-08	S-081508-YM-EES128	Area 2	AOI-6	5.2	ST-36	5.60E-09	
28-Aug-08	S-082808-YM-EES129	Area 4	AOI-5	5.2	ST-37	5.50E-09	
28-Aug-08	S-082808-YM-EES130	Area 4	AOI-5	5.7	ST-38	1.70E-08	
28-Aug-08	S-082808-YM-EES131	Area 4	AOI-5	5.2	ST-39	1.20E-08	
5-Sep-08	S-090508-CH-EES132	Area 4	AOI-5	5.5	ST-40	6.50E-09	
5-Sep-08	S-090508-CH-EES133	Area 4	AOI-5	5.5	ST-41	2.80E-08	
9-Sep-08	S-090908-CH-EES134	Area 3	EAOI-10	5.2	ST-42	8.00E-09	
9-Sep-08	S-090908-CH-EES135	Area 3	EAOI-10	5.2	ST-43	1.70E-08	
30-Oct-08	S-103008-CH-EES144	Area 1/2	AOI-8/AOI-11	5.1	ST-46	2.10E-07	Sample results not acceptable. High permeability attributed to low clay and high sand content.
30-Oct-08	S-103008-CH-EES145	Area 1/2	AOI-8/AOI-11	5.4	ST-47	2.20E-07	Sample results not acceptable.
30-Oct-08	S-103008-CH-EES146	Area 1/2	AOI-8/AOI-11	5.1	ST-48	6.20E-08	
8-Nov-08	S-110808-YM-EES149	Area 4	E AOI-5	5.5	ST-49	1.00E-07	Test results are void, Area 4 resampled in 2010
12-Nov-08	S-111208-CH-EES150	Area 4	E AOI-5	-	ST-50	2.50E-06	Test results are void, sample dried out during field collection.
21-Nov-08	S-112108-CH-EES151	Area 2	AOI-6/AOI-11	-	ST-51	9.30E-09	
4-Dec-08	S-120408-CH-EES152	Area 1	AOI-8 Gate 31 Road	5.5	ST-52	1.20E-08	
8-Dec-09	S-120809-JN-SES156	Area 1	Parcel 201	4	ST-53	1.5E-08	
22-Mar-10	S-032210-GS-SES157	Area 1	Parcel 201	4	-	2.8E-08	
22-Mar-10	S-032210-GS-SES158	Area 1	Parcel 201	4	-	2.7E-08	
22-Mar-10	S-032210-GS-SES159	Area 1	Parcel 201	4	-	2.6E-08	
24-Mar-10	S-032410-GS-SES160	Area 1	Parcel 201	4	-	2.9E-08	

TABLE 3.2.3

**SUMMARY OF COMPACTED CLAY PERMEABILITY TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Sample Collection Date</i>	<i>Sample Identification</i>	<i>Area</i>	<i>Sample Location</i>	<i>Sample Length (cm)</i>	<i>Test Number</i>	<i>Permeability (cm/sec)⁽¹⁾</i>	<i>Comments</i>
24-Mar-10	S-032410-GS-SES161	Area 1	Parcel 201	4	-	1.9E-08	
17-Jun-10	S-061710-SB-SES163	Area 1	Parcel 205	4	-	3.8E-08	Re-test of S-032410-GS-SES162 (clay re-worked due to rain)
16-Aug-10	S-081610-SB-SES164	Area 2	EAOI-10	4	-	2.0E-08	
17-Aug-10	S-081710-SB-SES165	Area 2	AOI-6	4	-	2.7E-08	
31-Aug-10	S-083110-SB-SES166	Area 4	East AOI-5	4	-	1.5E-08	
31-Aug-10	S-083110-SB-SES167	Area 4	East AOI-5	4	-	1.1E-08	
8-Sep-10	S-090810-SB-SES168	Area 4	East AOI-5	4	-	8.5E-08	
12-Oct-10	S-101210-SM-SES169	Area 5	South AOI-4	4	-	1.5E-08	
12-Oct-10	S-101210-SM-SES170	Area 5	South AOI-4	4.1	-	2.9E-08	
2-Jun-11	S-060211-SB-SES171	Area 5	East AOI-4	4	-	2.9E-08	
7-Jun-11	S-060211-SB-SES172	Area 5	East AOI-4	3.9	-	2.7E-08	
17-Jun-11	S-061711-SB-SES173	Area 5	East AOI-4	4	-	1.5E-08	
17-Jun-11	S-061711-SB-SES174	Area 5	East AOI-4	4	-	1.8E-08	
24-Jun-11	S-062411-SB-SES175	Area 5	East AOI-4	4	-	6.9E-09	
28-Jun-11	S-062811-SB-SES176	Area 5	West AOI-4	4	-	7.2E-09	
28-Jun-11	S-062811-SB-SES177	Area 5	West AOI-4	4	-	1.4E-08	
8-Jul-11	S-062811-SB-SES178	Area 5	West AOI-4	4	-	1.5E-08	
8-Jul-11	S-062811-SB-SES179	Area 5	West AOI-4	4	-	3.0E-08	
26-Aug-11	S-082611-SB-SES182	Area 5	West AOI-4	4	-	5.3E-08	
29-Aug-11	S-082911-SB-SES183	Area 5	West AOI-4	4	-	1.6E-08	
2-Sep-11	S-090211-SB-SES184	Area 5	Detension Basin 2	4	-	2.7E-08	
2-Sep-11	S-090211-SB-SES185	Area 5	Detension Basin 2	4	-	1.7E-08	
13-Sep-11	S-090211-SB-SES186	Area 5	Detension Basin 1	4	-	7.2E-08	
25-Oct-11	S-102511-SB-SES188	Area 5	AOI-15	4	-	4.0E-08	
31-Oct-11	S-103111-SB-SES189	Area 5	Detension Basin 4	4	-	3.1E-08	
8-Nov-11	S-110811-SB-SES190	Area 5	AOI-15	4	-	1.3E-08	
18-Nov-11	S-111811-SB-SES191	Area 5	AOI-15	4	-	2.2E-08	
18-Nov-11	S-111811-SB-SES192	Area 5	AOI-15	4	-	3.6E-08	

Notes:

⁽¹⁾ Results based on the performance of test permeability ASTM D-5084 by Testing Service Corporation (TSC). Acceptance of results requires a maximum of 1.0x10⁻⁷ cm/s.

"-" Information unavailable

TABLE 3.3.1

SUMMARY OF LLDPE MANUFACTURER CERTIFICATION
 CONSTRUCTION CERTIFICATION REPORT
 EAST PLANT AREA COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

Roll Number	Thickness (mils) ⁽²⁾	Carbon Black (%) ⁽³⁾	Tear Resistance (lbs) ⁽⁴⁾	Puncture Resistance (lbs) ⁽⁴⁾	Tensile @ Break (lbs/in) ⁽³⁾	Elongation @ Break (%) ⁽³⁾	Carbon Black Dispersion	Density (g/cc) ⁽⁵⁾	Oxidation Induction Time (min)	Asperity Height (mils)	Oven Aging (%)	UV Resistance (%)	CRA Approval ⁽⁶⁾
6126	60	2.3	43	114	256	828	1	0.934	200	21/21	88	52	SM
6127	60	2.3	43	114	256	828	1	0.934	200	21/21	88	52	SM
6128	60	2.3	43	114	256	828	1	0.934	200	20/21	88	52	SM
6129	60	2.7	44	127	162	565	1	0.934	200	20/22	88	52	SM
6130	60	2.7	44	127	162	565	1	0.934	200	21/22	88	52	SM
6131	60	2.7	44	127	162	565	1	0.934	200	22/21	88	52	SM
6132	60	2.2	44	125	190	639	1	0.934	200	21/21	88	52	SM
6133	60	2.2	44	125	190	639	1	0.934	200	21/22	88	52	SM
6134	60	2.2	44	125	190	639	1	0.934	200	21/20	88	52	SM
6135	60	2.6	44	120	164	576	1	0.936	200	22/21	88	52	SM
6136	60	2.6	44	120	164	576	1	0.936	200	21/21	88	52	SM
6137	60	2.6	44	120	164	576	1	0.936	200	21/20	88	52	SM
6138	60	2.8	46	117	210	656	1	0.939	200	22/21	88	52	SM
6139	60	2.8	46	117	210	656	1	0.939	200	20/22	88	52	SM
6143	60	2.7	38	115	139	540	1	0.939	200	20/21	88	52	SM
6144	60	2.4	43	125	182	608	1	0.935	200	21/20	88	52	SM
6145	61	2.4	43	125	182	608	1	0.935	200	21/21	88	52	SM
6146	60	2.4	43	125	182	608	1	0.935	200	20/20	88	52	SM
6254	65	2.6	39	109	183	602	1	0.933	108	23/22	88	52	SM
6256	65	2.7	40	114	162	562	1	0.933	108	24/24	88	52	SM
6257	65	2.7	40	114	162	562	1	0.933	108	22/23	88	52	SM
6258	65	2.7	40	114	162	562	1	0.933	108	23/23	88	52	SM
6259	65	2.7	40	114	162	562	1	0.933	108	22/23	88	52	SM
6261	65	2.6	41	111	206	657	1	0.932	110	20/21	88	52	SM
6262	65	2.6	41	111	206	657	1	0.932	110	20/20	88	52	SM
6263	64	2.6	41	111	206	657	1	0.932	110	20/20	88	52	SM
6265	65	2.5	39	109	170	597	1	0.932	110	20/20	88	52	SM
6266	64	2.5	39	109	170	597	1	0.932	110	20/20	88	52	SM
6267	64	2.5	39	109	170	597	1	0.932	110	20/20	88	52	SM
6268	64	2.6	43	111	199	641	1	0.930	112	20/20	88	52	SM
6272	65	2.5	39	111	165	590	1	0.930	112	21/23	88	52	SM
6273	65	2.5	39	111	165	590	1	0.930	112	20/22	88	52	SM
6274	65	2.5	39	111	165	590	1	0.930	112	22/22	88	52	SM
6275	65	2.5	39	111	165	590	1	0.930	112	21/21	88	52	SM
6276	65	2.5	41	108	162	579	1	0.933	111	23/22	88	52	SM
6277	65	2.5	41	108	162	579	1	0.933	111	21/21	88	52	SM
6278	65	2.5	41	108	162	579	1	0.933	111	20/21	88	52	SM
6279	65	2.5	41	108	162	579	1	0.933	111	21/20	88	52	SM
6281	65	2.7	42	115	196	638	1	0.933	111	20/20	88	52	SM
6282	65	2.7	42	115	196	638	1	0.933	111	21/21	88	52	SM

TABLE 3.3.1

**SUMMARY OF LLDPE MANUFACTURER CERTIFICATION
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Roll Number	Thickness (mils) ⁽²⁾	Carbon Black (%) ⁽³⁾	Tear Resistance (lbs) ⁽⁴⁾	Puncture Resistance (lbs) ⁽⁴⁾	Tensile @ Break (lbs/in) ⁽³⁾	Elongation @ Break (%) ⁽³⁾	Carbon Black Dispersion	Density (g/cc) ⁽⁵⁾	Oxidation Induction Time (min)	Asperity Height (mils)	Oven Aging (%)	UV Resistance (%)	CRA Approval ⁽⁶⁾
6283	65	2.7	42	115	196	638	1	0.933	111	21/19	88	52	SM
6284	65	2.6	42	113	156	561	1	0.932	110	20/21	88	52	SM
6285	65	2.6	42	113	156	561	1	0.932	110	19/21	88	52	SM
6286	65	2.6	42	113	156	561	1	0.932	110	21/20	88	52	SM
6287	64	2.6	42	113	156	561	1	0.932	110	20/19	88	52	SM
6288	65	2.7	42	105	223	689	1	0.932	110	20/20	88	52	SM
6289	65	2.7	42	105	223	689	1	0.932	110	21/19	88	52	SM
6290	65	2.7	42	105	223	689	1	0.932	110	20/21	88	52	SM
6291	65	2.7	42	105	223	689	1	0.932	110	21/21	88	52	SM
6292	65	2.5	40	115	159	577	1	0.932	110	21/21	88	52	SM
6293	65	2.5	40	115	159	577	1	0.932	110	21/21	88	52	SM
6294	65	2.5	40	115	159	577	1	0.932	110	20/21	88	52	SM
6295	66	2.5	40	115	159	577	1	0.932	110	20/21	88	52	SM
6296	66	2.4	44	107	204	641	1	0.932	107	21/21	88	52	SM
6297	66	2.4	44	107	204	641	1	0.932	107	24/19	88	52	EC
6298	66	2.4	44	107	204	641	1	0.932	107	23/19	88	52	EC
6299	65	2.4	44	107	204	641	1	0.932	107	24/19	88	52	EC
6300	66	2.7	40	106	170	585	1	0.932	107	22/20	88	52	SM
6301	65	2.7	40	106	170	585	1	0.932	107	23/21	88	52	EC
6302	66	2.7	40	106	170	585	1	0.932	107	25/21	88	52	EC
6303	66	2.7	40	106	170	585	1	0.932	107	23/20	88	52	SM
6304	66	2.6	39	108	194	616	1	0.932	107	23/20	88	52	EC
6305	65	2.6	39	108	194	616	1	0.932	107	24/19	88	52	EC
6306	66	2.6	39	108	194	616	1	0.932	107	22/20	88	52	EC
6307	65	2.6	39	108	194	616	1	0.932	107	23/20	88	52	EC
6308	66	2.5	41	111	133	492	1	0.933	110	20/21	88	52	YM
6309	65	2.5	41	111	133	492	1	0.933	110	21/22	88	52	EC
6310	65	2.5	41	111	133	492	1	0.933	110	21/20	88	52	EC
6311	65	2.5	41	111	133	492	1	0.933	110	20/20	88	52	YM
6312	65	2.6	43	113	213	672	1	0.933	110	21/21	88	52	EC
6313	65	2.6	43	113	213	672	1	0.933	110	21/21	88	52	EC
6314	65	2.6	43	113	213	672	1	0.933	110	20/19	88	52	YM
6315	65	2.6	43	113	213	672	1	0.933	110	22/20	88	52	YM
6316	63	2.6	40	107	160	560	1	0.933	108	20/20	88	52	YM
6317	64	2.6	40	107	160	560	1	0.933	108	20/20	88	52	YM
6318	64	2.6	40	107	160	560	1	0.933	108	20/20	88	52	YM
6319	64	2.6	40	107	160	560	1	0.933	108	21/20	88	52	YM
6320	63	2.5	42	110	215	662	1	0.933	108	20/20	88	52	EC
6321	64	2.5	42	110	215	662	1	0.933	108	20/19	88	52	YM

TABLE 3.3.1

SUMMARY OF LLDPE MANUFACTURER CERTIFICATION
 CONSTRUCTION CERTIFICATION REPORT
 EAST PLANT AREA COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

Roll Number	Thickness (mils) ⁽²⁾	Carbon Black (%) ⁽³⁾	Tear Resistance (lbs) ⁽⁴⁾	Puncture Resistance (lbs) ⁽⁴⁾	Tensile @ Break (lbs/in) ⁽³⁾	Elongation @ Break (%) ⁽³⁾	Carbon Black Dispersion	Density (g/cc) ⁽⁵⁾	Oxidation Induction Time (min)	Asperity Height (mils)	Oven Aging (%)	UV Resistance (%)	CRA Approval ⁽⁶⁾
6322	64	2.5	42	110	215	662	1	0.933	108	20/20	88	52	YM
6323	64	2.5	42	110	215	662	1	0.933	108	20/20	88	52	YM
6324	64	2.6	41	108	177	592	1	0.933	119	23/21	88	52	YM
6325	65	2.6	41	108	177	592	1	0.933	119	23/22	88	52	YM
6326	66	2.6	41	108	177	592	1	0.933	119	24/21	88	52	YM
6327	66	2.6	41	108	177	592	1	0.933	119	23/21	88	52	YM
6328	66	2.6	43	114	209	630	1	0.933	119	23/21	88	52	YM
6329	66	2.6	43	114	209	630	1	0.933	119	22/22	88	52	YM
6330	66	2.6	43	114	209	630	1	0.933	119	23/22	88	52	YM
6331	66	2.6	43	114	209	630	1	0.933	119	24/22	88	52	YM
6332	66	2.5	41	117	180	593	1	0.933	119	24/22	88	52	YM
6333	66	2.5	41	117	180	593	1	0.933	119	23/22	88	52	YM
6334	66	2.5	41	117	180	593	1	0.933	119	20/20	88	52	YM
6335	66	2.6	41	117	180	593	1	0.933	119	20/19	88	52	YM
6336	64	2.6	43	110	205	643	1	0.932	113	20/20	88	52	YM
6337	65	2.6	43	110	205	643	1	0.932	113	19/20	88	52	YM
6338	64	2.6	43	110	205	643	1	0.932	113	19/19	88	52	YM
6339	66	2.6	43	110	205	643	1	0.932	113	20/19	88	52	YM
6340	67	2.5	41	111	171	565	1	0.933	116	23/21	88	52	YM
6341	67	2.5	41	111	171	565	1	0.933	116	22/22	88	52	YM
6342	67	2.5	41	111	171	565	1	0.933	116	22/22	88	52	YM
6343	67	2.5	41	111	171	565	1	0.933	116	21/22	88	52	EC
6344	66	2.6	42	115	197	628	1	0.933	116	22/22	88	52	EC
6345	66	2.6	42	115	197	628	1	0.933	116	22/22	88	52	YM
6346	66	2.6	42	115	197	628	1	0.933	116	22/21	88	52	YM
6347	66	2.6	42	115	197	628	1	0.933	116	22/22	88	52	YM
6348	66	2.6	42	112	157	556	1	0.933	116	22/22	88	52	EC
6349	66	2.6	42	112	157	556	1	0.933	116	22/22	88	52	EC
6350	66	2.6	42	112	157	556	1	0.933	116	20/20	88	52	EC
6351	66	2.6	42	112	157	556	1	0.933	116	20/20	88	52	EC
6352	66	2.6	43	109	206	645	1	0.930	110	19/20	88	52	EC
6353	65	2.6	43	109	206	645	1	0.930	110	20/20	88	52	EC
6354	65	2.6	43	109	206	645	1	0.930	110	20/20	88	52	EC
6355	66	2.6	43	109	206	645	1	0.930	110	20/20	88	52	EC
6356	66	2.5	39	110	156	542	1	0.930	110	20/20	88	52	EC
6357	66	2.5	39	110	156	542	1	0.930	110	20/20	88	52	EC
6358	64	2.5	39	110	156	542	1	0.930	110	20/20	88	52	EC
6359	65	2.5	39	110	156	542	1	0.930	110	20/20	88	52	EC
6360	65	2.6	41	114	199	654	1	0.933	117	22/22	88	52	EC
6361	65	2.6	41	114	199	654	1	0.933	117	22/23	88	52	EC

TABLE 3.3.1

SUMMARY OF LLDPE MANUFACTURER CERTIFICATION
 CONSTRUCTION CERTIFICATION REPORT
 EAST PLANT AREA COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

Roll Number	Thickness (mils) ⁽²⁾	Carbon Black (%) ⁽³⁾	Tear Resistance (lbs) ⁽⁴⁾	Puncture Resistance (lbs) ⁽⁴⁾	Tensile @ Break (lbs/in) ⁽³⁾	Elongation @ Break (%) ⁽³⁾	Carbon Black Dispersion	Density (g/cc) ⁽⁵⁾	Oxidation Induction Time (min)	Asperity Height (mils)	Oven Aging (%)	UV Resistance (%)	CRA Approval ⁽⁶⁾
6362	65	2.6	41	114	199	654	1	0.933	117	32/22	88	52	EC
6363	65	2.6	41	114	199	654	1	0.933	117	21/13	88	52	EC
6364	65	2.6	41	114	160	565	1	0.933	117	23/23	88	52	EC
6365	65	2.6	41	114	160	565	1	0.933	117	23/22	88	52	EC
6366	65	2.6	41	114	160	565	1	0.933	117	22/22	88	52	EC
6367	65	2.6	41	114	160	565	1	0.933	117	23/22	88	52	EC
6368	65	2.6	42	115	191	603	1	0.933	117	23/23	88	52	EC
6369	65	2.6	42	115	191	603	1	0.933	117	22/22	88	52	EC
6370	66	2.6	42	115	191	603	1	0.933	117	20/20	88	52	EC
6371	66	2.6	42	115	191	603	1	0.933	117	19/19	88	52	EC
6372	66	2.6	40	110	156	560	1	0.931	118	19/19	88	52	EC
6373	67	2.6	40	110	156	560	1	0.931	118	19/19	88	52	EC
6374	66	2.6	40	110	156	560	1	0.931	118	20/19	88	52	EC
6375	65	2.6	40	110	156	560	1	0.931	118	22/21	88	52	EC
6376	65	2.6	42	113	192	622	1	0.932	110	22/22	88	52	EC
6377	65	2.6	42	113	192	622	1	0.932	110	22/22	88	52	EC
6378	65	2.6	42	113	192	622	1	0.932	110	21/21	88	52	EC
6379	65	2.6	42	113	192	622	1	0.932	110	21/21	88	52	EC
6380	65	2.7	41	115	149	525	1	0.932	110	21/22	88	52	EC
6381	65	2.7	41	115	149	525	1	0.932	110	22/22	88	52	EC
6382	66	2.7	41	115	149	525	1	0.932	110	22/22	88	52	EC
6383	65	2.7	41	115	149	525	1	0.932	110	22/22	88	52	EC
6384	66	2.7	41	112	184	603	1	0.933	120	21/21	88	52	EC
6385	66	2.7	41	112	184	603	1	0.933	120	20/20	88	52	EC
6386	66	2.7	41	112	184	603	1	0.933	120	20/20	88	52	EC
6387	66	2.7	41	112	184	603	1	0.933	120	21/22	88	52	EC
6388	66	2.7	41	110	161	549	1	0.933	120	22/22	88	52	EC
6389	66	2.7	41	110	161	549	1	0.933	120	21/21	88	52	EC
6390	66	2.7	41	110	161	549	1	0.933	120	21/21	88	52	EC
6392	66	2.6	42	112	198	636	1	0.933	120	21/21	88	52	EC
6393	66	2.6	42	112	198	636	1	0.933	120	21/21	88	52	EC
6394	66	2.6	42	112	198	636	1	0.933	120	20/21	88	52	EC
6395	65	2.6	42	112	198	636	1	0.933	120	19/20	88	52	EC
6396	66	2.7	42	107	165	558	1	0.932	120	20/19	88	52	EC
6397	65	2.7	42	107	165	558	1	0.932	120	18/19	88	52	EC
6398	66	2.7	42	107	165	558	1	0.932	120	20/19	88	52	EC
6399	65	2.7	42	107	165	558	1	0.932	120	20/19	88	52	EC
6400	66	2.6	43	112	193	644	1	0.933	123	20/20	88	52	EC
6401	66	2.6	43	112	193	644	1	0.933	123	21/21	88	52	EC
6402	67	2.6	43	112	193	644	1	0.933	123	20/20	88	52	EC

TABLE 3.3.1

**SUMMARY OF LLDPE MANUFACTURER CERTIFICATION
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Roll Number	Thickness (mils) ⁽²⁾	Carbon Black (%) ⁽³⁾	Tear Resistance (lbs) ⁽⁴⁾	Puncture Resistance (lbs) ⁽⁴⁾	Tensile @ Break (lbs/in) ⁽³⁾	Elongation @ Break (%) ⁽³⁾	Carbon Black Dispersion	Density (g/cc) ⁽⁵⁾	Oxidation Induction Time (min)	Asperity Height (mils)	Oven Aging (%)	UV Resistance (%)	CRA Approval ⁽⁶⁾
6403	67	2.6	43	112	193	644	1	0.933	123	21/21	88	52	EC
6404	66	2.7	42	114	150	538	1	0.933	123	20/21	88	52	EC
6405	67	2.7	42	114	150	538	1	0.933	123	21/21	88	52	EC
6406	67	2.7	42	114	150	538	1	0.933	123	20/20	88	52	EC
6407	66	2.7	42	114	150	538	1	0.933	123	21/21	88	52	EC
6408	66	2.6	43	117	187	609	1	0.933	123	20/21	88	52	EC
6409	67	2.6	43	117	187	609	1	0.933	123	20/21	88	52	EC
6410	66	2.6	43	117	187	609	1	0.933	123	20/21	88	52	EC
6411	65	2.6	43	117	187	609	1	0.933	123	18/20	88	52	EC
6412	65	2.5	42	110	163	569	1	0.933	120	19/20	88	52	EC
6413	65	2.5	42	110	163	569	1	0.933	120	20/20	88	52	EC
6414	65	2.5	42	110	163	569	1	0.933	120	20/20	88	52	EC
6415	65	2.5	42	110	163	569	1	0.933	120	19/20	88	52	EC
6416	65	2.7	42	110	201	632	1	0.933	120	19/20	88	52	EC
6417	65	2.7	42	110	201	632	1	0.933	120	19/19	88	52	EC
6418	65	2.7	42	110	201	632	1	0.933	120	20/19	88	52	EC
6419	65	2.7	42	110	201	632	1	0.933	120	19/20	88	52	EC
6420	66	2.7	42	113	170	596	1	0.933	128	22/20	88	52	EC
6421	65	2.7	42	113	170	596	1	0.933	128	20/20	88	52	EC
6422	66	2.7	42	113	170	596	1	0.933	128	19/20	88	52	EC
6424	66	2.8	42	114	197	650	1	0.933	128	20/20	88	52	EC
6425	66	2.8	42	114	197	650	1	0.933	128	20/20	88	52	EC
6426	66	2.8	42	114	197	650	1	0.933	128	20/20	88	52	EC
6427	66	2.8	42	114	197	650	1	0.933	128	20/20	88	52	EC
6428	66	2.4	43	112	156	561	1	0.933	128	20/20	88	52	EC
6429	67	2.4	43	112	156	561	1	0.933	128	20/20	88	52	EC
6430	68	2.4	43	112	156	561	1	0.933	128	19/20	88	52	EC
6474	66	2.5	41	111	133	492	1	0.933	110	20/20	88	52	EC
6475	66	2.5	41	111	133	492	1	0.933	110	19/20	88	52	YM
6477	66	2.6	41	113	158	551	1	0.933	110	21/21	88	52	EC
6478	66	2.6	41	113	158	551	1	0.933	110	20/21	88	52	YM
6479	66	2.6	41	113	158	551	1	0.933	110	21/21	88	52	YM
6480	66	2.5	42	107	156	571	1	0.933	110	21/21	88	52	YM
6481	67	2.5	42	107	156	571	1	0.933	110	21/21	88	52	EC
6483	65	2.5	42	107	156	571	1	0.933	110	23/20	88	52	YM
6484	65	2.5	43	111	212	667	1	0.932	112	24/21	88	52	YM
6485	65	2.5	43	111	212	667	1	0.932	112	22/20	88	52	YM
6486	65	2.5	43	111	212	667	1	0.932	112	21/21	88	52	YM
6487	65	2.5	43	111	212	667	1	0.932	112	21/19	88	52	YM
6488	65	2.4	40	108	178	595	1	0.932	112	21/19	88	52	YM

TABLE 3.3.1

**SUMMARY OF LLDPE MANUFACTURER CERTIFICATION
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Roll Number	Thickness (mils) ⁽²⁾	Carbon Black (%) ⁽³⁾	Tear Resistance (lbs) ⁽⁴⁾	Puncture Resistance (lbs) ⁽⁴⁾	Tensile @ Break (lbs/in) ⁽³⁾	Elongation @ Break (%) ⁽³⁾	Carbon Black Dispersion	Density (g/cc) ⁽⁵⁾	Oxidation Induction Time (min)	Asperity Height (mils)	Oven Aging (%)	UV Resistance (%)	CRA Approval ⁽⁶⁾
6489	65	2.4	40	108	178	595	1	0.932	112	22/19	88	52	YM
6490	66	2.4	40	108	178	595	1	0.932	112	19/20	88	52	YM
6491	66	2.4	40	108	178	595	1	0.932	112	20/20	88	52	YM
6492	66	2.5	41	113	152	545	1	0.933	114	21/20	88	52	EC
6493	65	2.5	41	113	152	545	1	0.933	114	21/20	88	52	EC
6494	66	2.5	41	113	152	545	1	0.933	114	20/20	88	52	EC
6495	66	2.5	41	113	152	545	1	0.933	114	20/20	88	52	EC
6497	66	2.6	44	111	193	637	1	0.933	114	21/21	88	52	EC
6498	66	2.6	44	111	193	637	1	0.933	114	20/20	88	52	EC
6499	66	2.6	44	111	193	637	1	0.933	114	20/21	88	52	EC
6500	66	2.5	43	111	156	541	1	0.933	110	20/20	88	52	YM
6501	65	2.5	43	111	156	541	1	0.933	110	22/22	88	52	YM
6502	65	2.5	43	111	156	541	1	0.933	110	20/23	88	52	EC

Notes:

⁽¹⁾ Per the Section 02072 - VLDPE Liner of the East Plant Area Final Cover System specifications, the VLDPE textured liner shall conform to the following properties:

Thickness (ASTM D5994): 60 mil (minimum, average)

Carbon Black (ASTM D1603): 2% to 3%

Tear Resistance (ASTM D1004): 33 pounds (minimum)

Puncture Resistance (ASTM D4833): 66 pounds (minimum)

Tensile @ Break (ASTM D638 Type IV): 90 pounds per inch (minimum)

Elongation @ Break (ASTM D638 Type IV): 100% (minimum)

Carbon Black Dispersion (ASTM D5596): Category 1 or 2

Density (ASTM D1505/D792): 0.939 g/cc (maximum)

Oxidation Induction Time (ASTM D3895 - Standard, ASTM D5885 - High Pressure): 100 minutes (Standard), 400 minutes (High Pressure)

Asperity Height (ASTM GRI Test Method GM12): 10 mil (minimum)

Oven Aging (ASTM D3895 - Standard, ASTM D5885 - High Pressure): 35% (Standard), 60% (High Pressure)

UV Resistance (ASTM D5885): 35% (minimum)

⁽²⁾ QA testing procedures required that one thickness test be conducted per roll of liner.

⁽³⁾ QA testing procedures required that one carbon black content test, one tensile strength at break test, and one elongation at break test be conducted per 20,000 pounds of liner.

⁽⁴⁾ QA testing procedures required that one puncture resistance test and one tear resistance test be conducted per 45,000 pounds of liner.

⁽⁵⁾ QA testing procedures required that one density test be conducted per 200,000 pounds of liner.

⁽⁶⁾ Approval refers to visual inspection of material from individual rolls and receipt of manufacturer supplied certification.

"-" Data not available or property not tested for.

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP1	29-Jul-08	Area 3	South EAOI-10	6336	365	22.5	8,212.5	EK	C-44/C-43	
EP2	29-Jul-08	Area 3	South EAOI-10	6336	113	22.5	2,542.5	EK	C-44	
EP3	29-Jul-08	Area 3	South EAOI-10	6333	246	22.5	5,535.0	EK	C-44/C-43	
EP4	29-Jul-08	Area 3	South EAOI-10	6333	241	22.5	5,422.5	EK	C-44	
EP5	29-Jul-08	Area 3	South EAOI-10	6374	123	22.5	2,767.5	EK	C-44/C-43	
EP6	29-Jul-08	Area 3	South EAOI-10	6374	356	22.5	8,010.0	EK	C-44/C-43	
EP7	29-Jul-08	Area 3	South EAOI-10	6301	13	22.5	292.5	EK	C-43	
EP8	29-Jul-08	Area 3	South EAOI-10	6301	372	22.5	8,370.0	EK	C-44/C-43	
EP9	29-Jul-08	Area 3	South EAOI-10	6301	99	22.5	2,227.5	EK	C-44	
EP10	29-Jul-08	Area 3	South EAOI-10	6485	283	22.5	6,367.5	EK	C-44/C-43	
EP11	29-Jul-08	Area 3	South EAOI-10	6485	216	22.5	4,860.0	EK	C-44	
EP12	29-Jul-08	Area 3	South EAOI-10	6347	174	22.5	3,915.0	EK	C-44/C-43	
EP13	29-Jul-08	Area 3	South EAOI-10	6347	293	22.5	6,592.5	EK	C-44	
EP14	29-Jul-08	Area 3	South EAOI-10	6325	98	22.5	2,205.0	EK	C-44/C-43	
EP15	29-Jul-08	Area 3	South EAOI-10	6325	393	22.5	8,842.5	EK	C-44/C-43	
EP16	29-Jul-08	Area 3	South EAOI-10	6340	403	22.5	9,067.5	EK	C-44/C-43	
EP17	4-Aug-08	Area 3	North EAOI-10	6340	88	22.5	1,980.0	EK	C-44	
EP18	4-Aug-08	Area 3	North EAOI-10	6337	321	22.5	7,222.5	EK	C-44/C-43	
EP19	4-Aug-08	Area 3	North EAOI-10	6337	4	22.5	90.0	EK	C-44	
EP20	4-Aug-08	Area 3	North EAOI-10	6337	166	22.5	3,735.0	EK	C-44	
EP21	4-Aug-08	Area 3	North EAOI-10	6345	251	22.5	5,647.5	EK	C-44/C-43	
EP22	4-Aug-08	Area 3	North EAOI-10	6345	244	22.5	5,490.0	EK	C-44	
EP23	4-Aug-08	Area 3	North EAOI-10	6481	178	22.5	4,005.0	EK	C-44/C-43	
EP24	4-Aug-08	Area 3	North EAOI-10	6481	190	22.5	4,275.0	EK	C-44	
EP25	9-Aug-08	Area 3	South EAOI-10	6481	78	22.5	1,755.0	EK	C-44	
EP26	9-Aug-08	Area 3	South EAOI-10	6335	92	22.5	2,070.0	EK	C-44	
EP27	9-Aug-08	Area 3	South EAOI-10	6335	150	22.5	3,375.0	EK	C-44/C-47	
EP28	9-Aug-08	Area 3	South EAOI-10	6335	131	22.5	2,947.5	EK	C-47	
EP29	9-Aug-08	Area 3	South EAOI-10	6335	56	22.5	1,260.0	EK	C-47	
EP30	9-Aug-08	Area 3	South EAOI-10	6346	54	22.5	1,215.0	EK	C-47	
EP31	9-Aug-08	Area 3	South EAOI-10	6346	91	22.5	2,047.5	EK	C-47	
EP32	9-Aug-08	Area 3	South EAOI-10	6346	77	22.5	1,732.5	EK	C-47	
EP33	11-Aug-08	Area 3	South EAOI-10	6346	57	22.5	1,282.5	EK	C-47	
EP34	11-Aug-08	Area 3	South EAOI-10	6346	34	22.5	765.0	EK	C-47	
EP35	11-Aug-08	Area 3	South EAOI-10	6346	16	19.5	312.0	EK	C-47	
EP36	11-Aug-08	Area 3	South EAOI-10	6339	24	22.5	540.0	EK	C-47	
EP37	11-Aug-08	Area 3	South EAOI-10	6339	58	22.5	1,305.0	EK	C-47	
EP38	11-Aug-08	Area 3	South EAOI-10	6339	77	22.5	1,732.5	EK	C-47	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP39	11-Aug-08	Area 3	South EAOI-10	6346	16	9.5	152.0	EK	C-47	Triangular panel
EP40	11-Aug-08	Area 3	South EAOI-10	6339	102	22.5	2,295.0	EK	C-47	
EP41	11-Aug-08	Area 3	South EAOI-10	6339	122	22.5	2,745.0	EK	C-47	
EP42	11-Aug-08	Area 3	South EAOI-10	6339	147	22.5	3,307.5	EK	C-47	
EP43	11-Aug-08	Area 3	South EAOI-10	6500	172	22.5	3,870.0	EK	C-47	
EP44	11-Aug-08	Area 3	South EAOI-10	6500	155	22.5	3,487.5	EK	C-44/C-47	
EP45	11-Aug-08	Area 3	South EAOI-10	6500	115	22.5	2,587.5	EK	C-44/C-47	
EP46	11-Aug-08	Area 3	South EAOI-10	6319	59	22.5	1,327.5	EK	C-47	
EP47	11-Aug-08	Area 3	South EAOI-10	6319	166	22.5	3,735.0	EK	C-44/C-47	
EP48	11-Aug-08	Area 3	South EAOI-10	6319	123	22.5	2,767.5	EK	C-44/C-47	
EP49	12-Aug-08	Area 3	South EAOI-10	6319	76	22.5	1,710.0	EK	C-47	
EP50	12-Aug-08	Area 3	South EAOI-10	6362	22	22.5	495.0	EK	C-44/C-47	
EP51	12-Aug-08	Area 3	South EAOI-10	6362	78	22.5	1,755.0	EK	C-47	
EP52	12-Aug-08	Area 3	South EAOI-10	6326	116	22.5	2,610.0	EK	C-44/C-43	
EP53	12-Aug-08	Area 3	South EAOI-10	6326	96	22.5	2,160.0	EK	C-44/C-43/C-46/C-47	
EP54	12-Aug-08	Area 3	South EAOI-10	6326	60	22.5	1,490.0	EK	C-47	Irregular shaped panel
EP55	12-Aug-08	Area 3	South EAOI-10	6304	71	22.5	1,597.5	EK	C-46/C-47	
EP56	12-Aug-08	Area 3	South EAOI-10	6304	54	22.5	1,215.0	EK	C-46/C-47	
EP57	13-Aug-08	Area 3	South EAOI-10	6304	53	22.5	1,192.5	EK	C-46/C-47	
EP58	13-Aug-08	Area 2	West AOI-6	6304	174	22.5	3,915.0	EK	C-48	
EP59	13-Aug-08	Area 2	West AOI-6	6304	64	22.5	1,440.0	EK	C-48	
EP60	13-Aug-08	Area 2	West AOI-6	6318	106	22.5	2,385.0	EK	C-48	
EP61	13-Aug-08	Area 2	West AOI-6	6318	168	22.5	3,780.0	EK	C-48	
EP62	13-Aug-08	Area 2	West AOI-6	6318	164	22.5	3,690.0	EK	C-48	
EP63	13-Aug-08	Area 2	West AOI-6	6306	130	22.5	2,925.0	EK	C-48	
EP64	13-Aug-08	Area 2	West AOI-6	6306	36	22.5	810.0	EK	C-48	
EP65	18-Aug-08	Area 2	West AOI-6	6306	174	22.5	3,915.0	EK	C-48	
EP66	18-Aug-08	Area 2	West AOI-6	6306	180	22.5	4,050.0	EK	C-48	
EP67	18-Aug-08	Area 2	West AOI-6	6477	103	22.5	2,317.5	EK	C-48	
EP68	18-Aug-08	Area 2	West AOI-6	6477	105	22.5	2,362.5	EK	C-48	
EP69	18-Aug-08	Area 2	West AOI-6	6477	85	22.5	1,912.5	EK	C-48	
EP70	18-Aug-08	Area 2	West AOI-6	6477	63	22.5	1,417.5	EK	C-48	
EP71	18-Aug-08	Area 2	West AOI-6	6477	38	22.5	855.0	EK	C-48	
EP72	18-Aug-08	Area 2	West AOI-6	6317	19	22.5	427.5	EK	C-48	
EP73	18-Aug-08	Area 2	West AOI-6	6317	18	12.5	225.0	EK	C-48	
EP74	18-Aug-08	Area 2	West AOI-6	6317	183	22.5	4,117.5	EK	C-48	
EP75	18-Aug-08	Area 2	West AOI-6	6317	67	22.5	1,507.5	EK	C-48	
EP76	18-Aug-08	Area 2	West AOI-6	6317	46	22.5	1,035.0	EK	C-48	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP77	18-Aug-08	Area 2	West AOI-6	6317	46	15.5	496.0	EK	C-48	Trapezoidal panel
EP78	18-Aug-08	Area 2	West AOI-6	6332	179	22.5	4,027.5	EK	C-48	
EP79	18-Aug-08	Area 2	West AOI-6	6332	93	21	976.5	EK	C-48	Trapezoidal panel
EP80	18-Aug-08	Area 2	West AOI-6	6332	172	22.5	2,882.5	EK	C-48	Trapezoidal panel
EP81	21-Aug-08	Area 2	West AOI-6	6332	84	22.5	1,890.0	EK	C-48	
EP82	21-Aug-08	Area 2	West AOI-6	6328	105	22.5	2,362.5	EK	C-48	
EP83	21-Aug-08	Area 2	West AOI-6	6328	192	22.5	4,320.0	EK	C-48	
EP84	21-Aug-08	Area 2	West AOI-6	6328	198	22.5	4,455.0	EK	C-48	
EP85	21-Aug-08	Area 2	West AOI-6	6315	208	22.5	4,680.0	EK	C-48	
EP86	21-Aug-08	Area 2	West AOI-6	6315	215	22.5	4,837.5	EK	C-46/C-48/C-49	
EP87	21-Aug-08	Area 2	West AOI-6	6315	71	22.5	1,597.5	EK	C-46/C-49	
EP88	21-Aug-08	Area 2	West AOI-6	6378	152	22.5	3,420.0	EK	C-49	
EP89	10-Sep-08	Area 3	North EA0I-10	6378	342	22.5	7,695.0	EK	C-41/C-44/C-43	
EP90	10-Sep-08	Area 3	North EA0I-10	6299	83	22.5	1,867.5	EK	C-41	
EP91	10-Sep-08	Area 3	North EA0I-10	6299	396	22.5	8,910.0	EK	C-40/C-41/C-43	
EP92	10-Sep-08	Area 3	North EA0I-10	6380	31	22.5	697.5	EK	C-40/C-43	
EP93	10-Sep-08	Area 3	North EA0I-10	6380	427	22.5	9,607.5	EK	C-40/C-41	
EP94	10-Sep-08	Area 3	North EA0I-10	6369	420	22.5	9,450.0	EK	C-40/C-41	
EP95	10-Sep-08	Area 3	North EA0I-10	6369	67	22.5	1,507.5	EK	C-41	
EP96	10-Sep-08	Area 3	North EA0I-10	6367	354	22.5	7,965.0	EK	C-40/C-41	
EP97	10-Sep-08	Area 3	North EA0I-10	6367	135	22.5	3,037.5	EK	C-40/C-41	
EP98	10-Sep-08	Area 3	North EA0I-10	6370	290	22.5	6,525.0	EK	C-41	
EP99	10-Sep-08	Area 3	North EA0I-10	6370	197	22.5	4,432.5	EK	C-40/C-41	
EP100	19-Sep-08	Area 4	West AOI-5	6372	360	23	8,280.0	EC	C-45/C-46	
EP101	19-Sep-08	Area 4	West AOI-5	6372	150	23	3,450.0	EC	C-45	
EP102	19-Sep-08	Area 4	West AOI-5	6487	215	23	4,945.0	EC	C-45/C-46	
EP103	19-Sep-08	Area 4	West AOI-5	6487	289	23	6,647.0	EC	C-45/C-46	
EP104	19-Sep-08	Area 4	West AOI-5	6388	93	23	2,139.0	EC	C-46	
EP105	19-Sep-08	Area 4	West AOI-5	6388	368	23	8,464.0	EC	C-45/C-46	
EP106	19-Sep-08	Area 4	West AOI-5	6359	156	23	3,588.0	EC	C-45	
EP107	19-Sep-08	Area 4	West AOI-5	6359	140	23	3,220.0	EC	C-45	
EP108	19-Sep-08	Area 4	West AOI-5	6359	118	23	2,714.0	EC	C-45	
EP109	19-Sep-08	Area 4	West AOI-5	6362	100	23	2,300.0	EC	C-45/C-48	
EP110	19-Sep-08	Area 4	West AOI-5	6359	80	23	1,840.0	EC	C-48	
EP111	19-Sep-08	Area 4	West AOI-5	6362	61	23	1,403.0	EC	C-48	
EP112	19-Sep-08	Area 4	West AOI-5	6362	42	23	966.0	EC	C-48	
EP113	19-Sep-08	Area 4	West AOI-5	6362	24	23	552.0	EC	C-48	
EP114	20-Sep-08	Area 4	West AOI-5	6362	40	23	920.0	EC	C-48	
EP115	20-Sep-08	Area 4	West AOI-5	6362	68	23	1,564.0	EC	C-48	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP116	20-Sep-08	Area 4	West AOI-5	6362	99	23	2,277.0	EC	C-45/C-48	
EP117	20-Sep-08	Area 4	West AOI-5	6362	123	23	2,829.0	EC	C-45/C-48	
EP118	20-Sep-08	Area 4	West AOI-5	6361	155	23	3,565.0	EC	C-45/C-48	
EP119	20-Sep-08	Area 4	West AOI-5	6361	162	23	3,726.0	EC	C-45/C-48	
EP120	20-Sep-08	Area 4	West AOI-5	6361	157	23	3,611.0	EC	C-45/C-48	
EP121	20-Sep-08	Area 4	West AOI-5	6479	157	23	3,611.0	EC	C-45/C-48	
EP122	20-Sep-08	Area 4	West AOI-5	6479	151	23	3,473.0	EC	C-45/C-46/C-48	
EP123	20-Sep-08	Area 4	West AOI-5	6479	137	23	3,151.0	EC	C-46/C-48	
EP124	20-Sep-08	Area 4	West AOI-5	6363	124	23	2,852.0	EC	C-46/C-48	
EP125	20-Sep-08	Area 4	West AOI-5	6363	110	23	2,530.0	EC	C-46/C-48	
EP126	20-Sep-08	Area 4	West AOI-5	6363	96	23	2,208.0	EC	C-46/C-48	
EP127	20-Sep-08	Area 4	West AOI-5	6479	80	23	1,840.0	EC	C-46/C-48	
EP128	20-Sep-08	Area 4	West AOI-5	6384	219	23	5,037.0	EC	C-45/C-46	
EP129	20-Sep-08	Area 4	West AOI-5	6384	162	23	3,726.0	EC	C-45/C-46	
EP130	20-Sep-08	Area 4	West AOI-5	6385	137	23	3,151.0	EC	C-46	
EP131	20-Sep-08	Area 4	West AOI-5	6385	137	23	3,151.0	EC	C-46	
EP132	23-Sep-08	Area 4	West AOI-5	6475	353	23	8,119.0	EC	C-45/C-46	
EP133	23-Sep-08	Area 4	West AOI-5	6475	145	23	3,335.0	EC	C-45	
EP134	23-Sep-08	Area 4	West AOI-5	6401	208	23	4,784.0	EC	C-45/C-46	
EP135	23-Sep-08	Area 4	West AOI-5	6401	289	23	6,647.0	EC	C-45/C-46	
EP136	23-Sep-08	Area 4	West AOI-5	6360	60	23	1,380.0	EC	C-45/C-46	
EP137	23-Sep-08	Area 4	West AOI-5	6360	347	23	7,981.0	EC	C-45/C-46	
EP138	23-Sep-08	Area 4	West AOI-5	6498	340	23	7,820.0	EC	C-45/C-46	
EP139	23-Sep-08	Area 4	West AOI-5	6498	159	23	3,657.0	EC	C-45	
EP140	23-Sep-08	Area 4	West AOI-5	6353	177	23	4,071.0	EC	C-42/C-43/C-45/C-46	
EP141	23-Sep-08	Area 4	West AOI-5	6353	316	23	7,268.0	EC	C-42/C-43/C-45	
EP142	26-Sep-08	Area 4	West AOI-5	6383	335	23	7,705.0	EC	C-42/C-43/C-45	
EP143	26-Sep-08	Area 4	West AOI-5	6383	162	23	3,726.0	EC	C-42/C-45	
EP144	26-Sep-08	Area 4	West AOI-5	6368	174	23	4,002.0	EC	C-42/C-43	
EP145	26-Sep-08	Area 4	West AOI-5	6368	319	23	7,337.0	EC	C-42	
EP146	26-Sep-08	Area 4	West AOI-5	6374	321	23	7,383.0	EC	C-42/C-43	
EP147	26-Sep-08	Area 4	West AOI-5	6385	17	23	391.0	EC	C-42/C-43	
EP148	26-Sep-08	Area 4	West AOI-5	6385	19	23	437.0	EC	C-42/C-43	
EP149	30-Sep-08	Area 4	West AOI-5	6371	341	23	7,843.0	EC	C-42/C-43	
EP150	30-Sep-08	Area 4	West AOI-5	6371	193	23	4,439.0	EC	C-42	
EP151	30-Sep-08	Area 4	West AOI-5	6371	73	23	1,679.0	EC	C-42	Remnant piece from EP 150
EP152	30-Sep-08	Area 4	West AOI-5	6385	125	23	2,875.0	EC	C-42	
EP153	30-Sep-08	Area 4	West AOI-5	6385	61	23	1,403.0	EC	C-42	
EP154	30-Sep-08	Area 4	West AOI-5	6385	26	15	390.0	EC	C-42	Remnant piece from EP 153

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP155-EP188	14-Oct-08	Vault	-	-	-	-	-	-	-	Used to tie in north of vault to East Plant
EP189	8-Nov-08	Area 2	West AOI-11	6341	104	23	2,392.0	SM	C-48	
EP190	8-Nov-08	Area 2	West AOI-11	6341	111	23	2,553.0	SM	C-48	
EP191	8-Nov-08	Area 2	West AOI-11	6341	107	23	2,461.0	SM	C-48	
EP192	8-Nov-08	Area 2	West AOI-11	6341	111	23	2,553.0	SM	C-48/C-50	
EP193	8-Nov-08	Area 2	West AOI-11	6308	113	23	2,599.0	SM	C-48/C-50	
EP194	8-Nov-08	Area 2	West AOI-11	6308	113	23	2,599.0	SM	C-48/C-50	
EP195	8-Nov-08	Area 2	West AOI-11	6308	116	23	2,668.0	SM	C-50	
EP196	8-Nov-08	Area 2	West AOI-11	6308	75	23	1,725.0	SM	C-50	
EP197	8-Nov-08	Area 2	West AOI-11	6308	28	8	224.0	SM	C-50	Piece cut from EP196, length included in EP196
EP198	8-Nov-08	Area 2	West AOI-11	6395	128	23	2,944.0	SM	C-50	
EP199	8-Nov-08	Area 2	West AOI-11	6395	180	23	4,140.0	SM	C-48/C-50	
EP200	10-Nov-08	Area 1	West AOI-8	6395	170	23	3,910.0	SM	C-50	
EP201	10-Nov-08	Area 1	West AOI-8	6397	61	23	1,403.0	SM	C-50	
EP202	10-Nov-08	Area 1	West AOI-8	6397	231	23	5,313.0	SM	C-50	
EP203	10-Nov-08	Area 1	West AOI-8	6397	193	23	4,439.0	SM	C-50	
EP204	10-Nov-08	Area 1	West AOI-8	6400	107	23	2,461.0	SM	C-50	
EP205	10-Nov-08	Area 1	West AOI-8	6400	340	23	7,820.0	SM	C-50	
EP206	10-Nov-08	Area 1	West AOI-8	6342	329	23	7,567.0	SM	C-50	
EP207	10-Nov-08	Area 1	West AOI-8	6342	150	23	3,450.0	SM	C-50	
EP208	10-Nov-08	Area 1	West AOI-8	6403	166	23	3,818.0	SM	C-50	
EP209	10-Nov-08	Area 1	West AOI-8	6403	299	23	6,877.0	SM	C-50	
EP210	10-Nov-08	Area 1	West AOI-8	6399	281	23	6,463.0	SM	C-50	
EP211	10-Nov-08	Area 1	West AOI-8	6399	185	23	4,255.0	SM	C-50	
EP212	10-Nov-08	Area 1	West AOI-8	6399	96	10	960.0	SM	C-50	Length included in EP 211
EP213	10-Nov-08	Area 2	West AOI-11	6501	177	23	4,071.0	SM	C-48/C-50	
EP214	10-Nov-08	Area 2	West AOI-11	6501	200	23	4,600.0	SM	C-48/C-50	
EP215	10-Nov-08	Area 2	West AOI-11	6501	67	23	1,541.0	SM	C-48/C-50	
EP216	10-Nov-08	Area 2	West AOI-11	6329	138	23	3,174.0	SM	C-48	
EP217	10-Nov-08	Area 2	West AOI-11	6329	185	23	4,255.0	SM	C-48/C-50	
EP218	10-Nov-08	Area 2	West AOI-11	6329	144	23	3,312.0	SM	C-48	
EP219	10-Nov-08	Area 2	West AOI-11	6389	124	23	2,852.0	SM	C-48	
EP220	10-Nov-08	Area 2	West AOI-11	6389	107	23	2,461.0	SM	C-48	
EP221	11-Nov-08	Area 1	West AOI-8	6389	34	23	782.0	EC	C-50	
EP222	11-Nov-08	Area 1	West AOI-8	6389	42	23	966.0	EC	C-50	
EP223	11-Nov-08	Area 1	West AOI-8	6389	49	23	1,127.0	EC	C-50	
EP224	11-Nov-08	Area 1	West AOI-8	6389	54	23	1,242.0	EC	C-50	
EP225	11-Nov-08	Area 1	West AOI-8	6389	25	23	575.0	EC	C-50	
EP226	20-Nov-08	Area 2	East AOI-11	6398	66	11	726.0	EC	C-48	
EP227	20-Nov-08	Area 2	East AOI-11	6398	94	23	2,162.0	EC	C-48	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP228	20-Nov-08	Area 2	East AOI-11	6402	97	23	2,231.0	EC	C-48	
EP229	20-Nov-08	Area 2	East AOI-11	6402	106	23	2,438.0	EC	C-48	
EP230	20-Nov-08	Area 2	East AOI-11	6402	108	23	2,484.0	EC	C-48	
EP231	20-Nov-08	Area 2	East AOI-11	6402	113	23	2,599.0	EC	C-49	
EP232	20-Nov-08	Area 2	East AOI-11	6393	117	23	2,691.0	EC	C-49	
EP233	22-Nov-08	Area 2	East AOI-11	6393	170	23	3,910.0	SM	C-49	
EP234	22-Nov-08	Area 2	East AOI-11	6393	170	23	3,910.0	SM	C-49	
EP235	22-Nov-08	Area 2	East AOI-11	6298	166	23	3,818.0	SM	C-49	
EP236	22-Nov-08	Area 2	East AOI-11	6298	152	23	3,496.0	SM	C-49	
EP237	22-Nov-08	Area 2	East AOI-11	6298	140	23	3,220.0	SM	C-49	
EP238	22-Nov-08	Area 2	East AOI-11	6489	127	23	2,921.0	SM	C-49	
EP239	22-Nov-08	Area 2	East AOI-6	6489	180	23	4,140.0	SM	C-46/C-49	
EP240	22-Nov-08	Area 2	East AOI-6	6489	150	23	3,450.0	SM	C-49	
EP241	22-Nov-08	Area 2	East AOI-6	6321	51	23	1,173.0	SM	C-46/C-49	
EP242	22-Nov-08	Area 2	East AOI-6	6321	215	23	4,945.0	SM	C-46/C-49	
EP243	22-Nov-08	Area 1	West AOI-8	6321	29	10	290.0	SM	C-50	
EP244	22-Nov-08	Area 1	West AOI-8	6321	31	23	713.0	SM	C-50	
EP245	22-Nov-08	Area 1	West AOI-8	6398	39	23	897.0	SM	C-50	
EP246	22-Nov-08	Area 1	West AOI-8	6398	47	23	1,081.0	SM	C-50	
EP247	22-Nov-08	Area 1	West AOI-8	6394	51	23	1,173.0	SM	C-50	
EP248	22-Nov-08	Area 1	West AOI-8	6394	53	23	1,219.0	SM	C-50	
EP249	22-Nov-08	Area 1	West AOI-8	6394	47	23	1,081.0	SM	C-50	
EP250	22-Nov-08	Area 1	West AOI-8	6394	18	23	414.0	SM	C-50	
EP251	22-Nov-08	Area 1	West AOI-8	6394	9	10	90.0	SM	C-50	
EP252	5-Dec-08	Area 1	South AOI-8	6394	52	23	1,196.0	EC	C-50	
EP253	5-Dec-08	Area 1	South AOI-8	6394	60	23	1,380.0	EC	C-50	
EP254	5-Dec-08	Area 1	South AOI-8	6394	64	23	1,472.0	EC	C-50	
EP255	5-Dec-08	Area 1	South AOI-8	6394	42	23	966.0	EC	C-50	
EP256	5-Dec-08	Area 1	South AOI-8	6394	23	17	391.0	EC	C-50	
EP257	5-Dec-08	Area 1	South AOI-8	6389	42	8	336.0	EC	C-50	
EP258	5-Dec-08	Area 1	South AOI-8	6374	20	13	260.0	EC	C-50	
EP259	6-Apr-10	Area 1	Parcel 201	6343	154	22.5	3,465.0	EK	C-53	
EP260	6-Apr-10	Area 1	Parcel 201	6343	164	22.5	3,690.0	EK	C-53	
EP261	6-Apr-10	Area 1	Parcel 201	6343	147	22.5	3,307.5	EK	C-53	
EP262	6-Apr-10	Area 1	Parcel 201	6344	132	22.5	2,970.0	EK	C-53	
EP263	6-Apr-10	Area 1	Parcel 201	6349	39	22.5	877.5	EK	C-53	
EP264	6-Apr-10	Area 1	Parcel 201	6344	34	22.5	382.5	EK	C-53	Wedge shaped panel
EP265	6-Apr-10	Area 1	Parcel 201	6349	84	22.5	1,890.0	EK	C-53	
EP266	6-Apr-10	Area 1	Parcel 201	6349	104	22.5	2,340.0	EK	C-53	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP267	6-Apr-10	Area 1	Parcel 201	6349	124	22.5	2,790.0	EK	C-53	
EP268	6-Apr-10	Area 1	Parcel 201	6349	129	22.5	2,902.5	EK	C-53	
EP269	6-Apr-10	Area 1	Parcel 201	6344	124	22.5	2,790.0	EK	C-53	
EP270	6-Apr-10	Area 1	Parcel 201	6344	158	22.5	3,555.0	EK	C-53	
EP271	6-Apr-10	Area 1	Parcel 201	6413	138	22.5	3,105.0	EK	C-53	
EP272	6-Apr-10	Area 1	Parcel 201	6413	121	22.5	2,722.5	EK	C-53	
EP273	6-Apr-10	Area 1	Parcel 201	6413	106	22.5	2,385.0	EK	C-53	
EP274	6-Apr-10	Area 1	Parcel 201	6413	88	22.5	1,980.0	EK	C-53	
EP275	6-Apr-10	Area 1	Parcel 201	6413	58	22.5	1,305.0	EK	C-53	
EP276	6-Apr-10	Area 1	Parcel 201	6334	55	22.5	1,013.8	EK	C-53	Wedge shaped panel
EP277	6-Apr-10	Area 1	Parcel 201	6334	80	22.5	1,800.0	EK	C-53	
EP278	6-Apr-10	Area 1	Parcel 201	6334	19	16.5	156.8	EK	C-53	Wedge shaped panel
EP279	7-Apr-10	Area 1	Parcel 201	6334	65	22.5	1,462.5	EK	C-53	
EP280	7-Apr-10	Area 1	Parcel 201	6334	52	22.5	1,170.0	EK	C-52/C-53	
EP281	7-Apr-10	Area 1	Parcel 201	6334	65	22.5	1,462.5	EK	C-52	
EP282	7-Apr-10	Area 1	Parcel 201	6334	82	22.5	1,845.0	EK	C-52	
EP283	7-Apr-10	Area 1	Parcel 201	6348	104	22.5	2,340.0	EK	C-52	
EP284	7-Apr-10	Area 1	Parcel 201	6348	57	15.5	441.8	EK	C-52/C-53	Wedge shaped panel
EP285	7-Apr-10	Area 1	Parcel 201	6348	144	22.5	1,620.0	EK	C-52/C-53	
EP286	7-Apr-10	Area 1	Parcel 201	6348	135	22.5	3,037.5	EK	C-52/C-53	
EP287	10-Apr-10	Area 1	Parcel 201	6309	298	22.5	6,705.0	EK	C-52/C-53	
EP288	10-Apr-10	Area 1	Parcel 201	6309	189	22.5	4,252.5	EK	C-52/C-53	
EP289	10-Apr-10	Area 1	Parcel 201	6494	107	22.5	2,407.5	EK	C-52	
EP290	10-Apr-10	Area 1	Parcel 201	6494	297	22.5	6,682.5	EK	C-52/C-53	
EP291	10-Apr-10	Area 1	Parcel 201	6494	85	22.5	1,912.5	EK	C-52/C-53	
EP292	10-Apr-10	Area 1	Parcel 201	6424	212	22.5	4,770.0	EK	C-52	
EP293	10-Apr-10	Area 1	Parcel 201	6424	274	22.5	6,165.0	EK	C-52/C-53	
EP294	10-Apr-10	Area 1	Parcel 201	6396	21	22.5	472.5	EK	C-52	
EP295	10-Apr-10	Area 1	Parcel 201	6396	183	22.5	4,117.5	EK	C-52/C-53	
EP296	10-Apr-10	Area 1	Parcel 201	6350	65	22.5	1,462.5	EK	C-52/C-53	
EP297	10-Apr-10	Area 1	Parcel 201	6396	166	22.5	3,735.0	EK	C-52	
EP298	10-Apr-10	Area 1	Parcel 201	6350	224	22.5	5,040.0	EK	C-52/C-53	
EP299	10-Apr-10	Area 1	Parcel 201	6302	52	22.5	1,170.0	EK	C-52/C-53	
EP300	10-Apr-10	Area 1	Parcel 201	6350	159	22.5	3,577.5	EK	C-52	
EP301	10-Apr-10	Area 1	Parcel 201	6302	201	22.5	4,522.5	EK	C-52/C-53	
EP302	10-Apr-10	Area 1	Parcel 201	6302	185	22.5	4,162.5	EK	C-52/C-53	
EP303	10-Apr-10	Area 1	Parcel 201	6352	168	22.5	3,780.0	EK	C-52/C-53	
EP304	10-Apr-10	Area 1	Parcel 201	6352	154	22.5	3,465.0	EK	C-52/C-53	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP305	10-Apr-10	Area 1	Parcel 201	6352	131	22.5	2,947.5	EK	C-52	
EP306	10-Apr-10	Area 1	Parcel 201	6408	14	22.5	315.0	EK	C-52	
EP307	10-Apr-10	Area 1	Parcel 201	6408	140	22.5	3,150.0	EK	C-52	
EP308	10-Apr-10	Area 1	Parcel 201	6408	17	23	191.3	EK	C-52	Wedge shaped panel
EP309	10-Apr-10	Area 1	Parcel 201	6408	27	22.5	607.5	EK	C-52	
EP310	10-Apr-10	Area 1	Parcel 201	6408	26	22.5	585.0	EK	C-52	
EP311	10-Apr-10	Area 1	Parcel 201	6408	35	22.5	787.5	EK	C-52	
EP312	10-Apr-10	Area 1	Parcel 201	6408	35	22.5	787.5	EK	C-52	
EP313	10-Apr-10	Area 1	Parcel 201	6408	35	22.5	787.5	EK	C-52	
EP314	12-Apr-10	Area 1	Parcel 201	6406	46	22.5	495.0	EK	C-52	Trapezoidal panel
EP315	12-Apr-10	Area 1	Parcel 201	6406	63	22.5	1,417.5	EK	C-52/C-53	
EP316	12-Apr-10	Area 1	Parcel 201	6406	79	22.5	1,777.5	EK	C-52/C-53	
EP317	12-Apr-10	Area 1	Parcel 201	6406	96	22.5	2,160.0	EK	C-53	
EP318	12-Apr-10	Area 1	Parcel 201	6406	112	22.5	2,520.0	EK	C-53	
EP319	12-Apr-10	Area 1	Parcel 201	6406	109	22.5	2,452.5	EK	C-53	
EP320	12-Apr-10	Area 1	Parcel 201	6297	19	22.5	427.5	EK	C-53	
EP321	12-Apr-10	Area 1	Parcel 201	6297	133	22.5	2,992.5	EK	C-53	Trapezoidal panel
EP322	12-Apr-10	Area 1	Parcel 201	6297	40	23	450.0	EK	C-53	Trapezoidal panel
EP323	12-Apr-10	Area 1	Parcel 201	6297	44	22.5	1,462.5	EK	C-53	Irregular shaped panel
EP324	12-Apr-10	Area 1	Parcel 201	6297	35	17	280.5	EK	C-53	Triangular panel
EP325	12-Apr-10	Area 1	Parcel 201	6407	158	22.5	3,555.0	EK	C-52	
EP326	12-Apr-10	Area 1	Parcel 201	6407	91	22.5	2,632.5	EK	C-52	Irregular shaped panel
EP327	12-Apr-10	Area 1	Parcel 201	6407	50	22.5	1,653.8	EK	C-52	Irregular shaped panel
EP328	12-Apr-10	Area 1	Parcel 201	6409	80	22.5	1,800.0	EK	C-52	
EP329	12-Apr-10	Area 1	Parcel 201	6409	67	22.5	1,507.5	EK	C-52	
EP330	12-Apr-10	Area 1	Parcel 201	6409	55	22.5	1,237.5	EK	C-52	
EP331	12-Apr-10	Area 1	Parcel 201	6409	44	22.5	990.0	EK	C-52	
EP332	12-Apr-10	Area 1	Parcel 201	6409	32	22.5	720.0	EK	C-52	
EP333	12-Apr-10	Area 1	Parcel 201	6409	26	22.5	585.0	EK	C-52	
EP334	12-Apr-10	Area 1	Parcel 201	6409	17	15	123.3	EK	C-52	Wedge shaped panel
EP335	12-Apr-10	Area 1	Parcel 201	6407	32	13	200.0	EK	C-52	Triangular panel
EP336	12-Apr-10	Area 1	Parcel 201	6409	30	22.5	675.0	EK	C-51/C-52	
EP337	12-Apr-10	Area 1	Parcel 201	6409	33	22.5	742.5	EK	C-51	
EP338	12-Apr-10	Area 1	Parcel 201	6409	34	22.5	765.0	EK	C-51	
EP339	12-Apr-10	Area 1	Parcel 201	6408	33	22.5	371.3	EK	C-51	Trapezoidal panel
EP340	12-Apr-10	Area 1	Parcel 201	6409	33	22.5	742.5	EK	C-51	
EP341	12-Apr-10	Area 1	Parcel 201	6409	27	22.5	607.5	EK	C-51	
EP342	12-Apr-10	Area 1	Parcel 201	6409	7	4	10.5	EK	C-51	Triangular panel

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP343	7-Jun-10	Area 1	Detention Basin 6	6497	26	22.5	585.0	SM	C-51	
EP344	7-Jun-10	Area 1	Detention Basin 6	6497	31	22.5	697.5	SM	C-51	
EP345	7-Jun-10	Area 1	Detention Basin 6	6497	45	22.5	1,012.5	SM	C-51	
EP346	7-Jun-10	Area 1	Detention Basin 6	6497	58	22.5	1,305.0	SM	C-51	
EP347	7-Jun-10	Area 1	Detention Basin 6	6497	67	22.5	1,507.5	SM	C-51	
EP348	7-Jun-10	Area 1	Detention Basin 6	6497	80	22.5	1,800.0	SM	C-51	
EP349	7-Jun-10	Area 1	Detention Basin 6	6497	91	22.5	2,047.5	SM	C-51	
EP350	7-Jun-10	Area 1	Detention Basin 6	6492	112	22.5	2,520.0	SM	C-51	
EP351	7-Jun-10	Area 1	Detention Basin 6	6492	45	22.5	1,012.5	SM	C-51	
EP352	7-Jun-10	Area 1	Detention Basin 6	6492	51	22.5	1,147.5	SM	C-51	
EP353	7-Jun-10	Area 1	Detention Basin 6	6492	55	21	1,155.0	SM	C-51	
EP354	7-Jun-10	Area 1	Detention Basin 6	6492	63	22.5	1,417.5	SM	C-51	
EP355	7-Jun-10	Area 1	Detention Basin 6	6492	63	22.5	1,417.5	SM	C-51	
EP356	7-Jun-10	Area 1	Detention Basin 6	6497	45	20	900.0	SM	C-51	
EP357	8-Jun-10	Area 1	Parcel 201 Bump Out	6297	36	19	684.0	SM	C-53	
EP358	8-Jun-10	Area 1	Parcel 201 Bump Out	6493	51	22.5	1,147.5	SM	C-53	
EP359	8-Jun-10	Area 1	Parcel 201 Bump Out	6493	51	22.5	1,147.5	SM	C-53	
EP360	8-Jun-10	Area 1	Parcel 201 Bump Out	6493	39	22.5	877.5	SM	C-53	
EP361	8-Jun-10	Area 1	Parcel 201 Bump Out	6493	9	8	72.0	SM	C-53	
EP362	24-Aug-10	Area 2	East AOI-6	6491	181	22.5	4,072.5	SM	C-49	
EP363	24-Aug-10	Area 2	East AOI-6	6491	186	22.5	4,185.0	SM	C-49	
EP364	24-Aug-10	Area 2	East AOI-6	6491	115	22.5	2,587.5	SM	C-49	
EP365	24-Aug-10	Area 2	East AOI-6	6312	33.5	12	402.0	SM	C-49	
EP366	24-Aug-10	Area 2	East AOI-6	6312	50	12	600.0	SM	C-49	
EP367	24-Aug-10	Area 2	East AOI-6	6312	177	22.5	3,982.5	SM	C-49	
EP368	24-Aug-10	Area 2	East AOI-6	6312	180	22.5	4,050.0	SM	C-49	
EP369	24-Aug-10	Area 2	East AOI-6	6322	181	22.5	4,072.5	SM	C-49	
EP370	24-Aug-10	Area 2	East AOI-6	6322	181	22.5	4,072.5	SM	C-49	
EP371	24-Aug-10	Area 2	East AOI-6	6322	122	22.5	2,745.0	SM	C-49	
EP372	24-Aug-10	Area 2	East AOI-6	6305	66	22.5	1,485.0	SM	C-49	
EP373	24-Aug-10	Area 2	East AOI-6	6305	190	22.5	4,275.0	SM	C-49	
EP374	25-Aug-10	Area 2	East AOI-6	6305	84	22.5	1,890.0	SM	C-46/C-47/C-49	
EP375	25-Aug-10	Area 2	East AOI-6	6305	83	22.5	1,867.5	SM	C-46/C-47	
EP376	25-Aug-10	Area 2	East AOI-6	6307	78	22.5	1,755.0	SM	C-46/C-47	
EP377	25-Aug-10	Area 2	East AOI-6	6307	78	22.5	1,755.0	SM	C-46/C-47	
EP378	25-Aug-10	Area 2	East AOI-6	6307	78	22.5	1,755.0	SM	C-46/C-47	
EP379	25-Aug-10	Area 2	East AOI-6	6307	118	22.5	2,655.0	SM	C-46/C-49	
EP380	25-Aug-10	Area 2	East AOI-6	6307	110	22.5	2,475.0	SM	C-46	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP381	25-Aug-10	Area 2	East AOI-6	6417	16	22.5	360.0	SM	C-46/C-49	
EP382	25-Aug-10	Area 2	East AOI-6	6417	120	22.5	2,700.0	SM	C-46/C-49	
EP383	25-Aug-10	Area 2	East AOI-6	6417	30	22.5	675.0	SM	C-46/C-49	
EP384	25-Aug-10	Area 2	East AOI-6	6417	11	22.5	247.5	SM	C-46	
EP385	25-Aug-10	Area 2	East AOI-6	6417	80	22.5	1,800.0	SM	C-46	
EP386	25-Aug-10	Area 2	East AOI-6	6417	115	22.5	2,587.5	SM	C-46	
EP387	25-Aug-10	Area 2	East AOI-6	6316	56	22.5	1,260.0	SM	C-47	
EP388	25-Aug-10	Area 2	East AOI-6	6316	58	22.5	1,305.0	SM	C-47	
EP389	25-Aug-10	Area 2	East AOI-6	6316	78	22.5	1,755.0	SM	C-47	
EP390	25-Aug-10	Area 2	East AOI-6	6316	84	22.5	1,890.0	SM	C-47	
EP391	25-Aug-10	Area 2	East AOI-6	6316	96	22.5	2,160.0	SM	C-47	
EP392	25-Aug-10	Area 2	East AOI-6	6316	96	22.5	2,160.0	SM	C-47	
EP393	25-Aug-10	Area 2	East AOI-6	6390	95	22.5	2,137.5	SM	C-46/C-47	
EP394	25-Aug-10	Area 2	East AOI-6	6390	108	22.5	2,430.0	SM	C-46/C-47	
EP395	25-Aug-10	Area 2	East AOI-6	6390	101	22.5	2,272.5	SM	C-46/C-47	
EP396	25-Aug-10	Area 2	East AOI-6	6390	101	22.5	2,272.5	SM	C-46/C-47	
EP397	25-Aug-10	Area 2	East AOI-6	6323	99	22.5	2,227.5	SM	C-46/C-47	
EP398	25-Aug-10	Area 2	East AOI-6	6323	99	22.5	2,227.5	SM	C-46	
EP399	25-Aug-10	Area 2	East AOI-6	6323	97	22.5	2,182.5	SM	C-46	
EP400	25-Aug-10	Area 2	East AOI-6	6323	27	5	135.0	SM	C-46	
EP401	25-Aug-10	Area 2	East AOI-6	6417	80	8	640.0	SM	C-46	
EP402	31-Aug-10	Area 2	East AOI-6/11	6387	181	22.5	4,072.5	SM	C-49	
EP403	31-Aug-10	Area 2	East AOI-6/11	6387	212	22.5	4,770.0	SM	C-49/C-51	
EP404	31-Aug-10	Area 2	East AOI-6/11	6415	214	22.5	4,815.0	SM	C-49/C-51	
EP405	31-Aug-10	Area 2	East AOI-6/11	6415	220	22.5	4,950.0	SM	C-49/C-51	
EP406	31-Aug-10	Area 2	East AOI-6/11	6425	226	22.5	5,085.0	SM	C-49/C-51	
EP407	31-Aug-10	Area 2	East AOI-6/11	6425	226	22.5	5,085.0	SM	C-49/C-51	
EP408	31-Aug-10	Area 2	East AOI-6/11	6387	8	55	440.0	SM	C-51	
EP409	31-Aug-10	Area 2	East AOI-6/11	6387	7	45	315.0	SM	C-51	
EP410	20-Sep-10	Area 4	East AOI-5	6419	171	22.5	3,847.5	SM	C-43	
EP411	20-Sep-10	Area 4	East AOI-5	6419	176	22.5	3,960.0	SM	C-43	
EP412	20-Sep-10	Area 4	East AOI-5	6419	127	22.5	2,857.5	SM	C-43	
EP413	20-Sep-10	Area 4	East AOI-5	6429	54	22.5	1,215.0	SM	C-43	
EP414	20-Sep-10	Area 4	East AOI-5	6429	185	22.5	4,162.5	SM	C-43	
EP415	20-Sep-10	Area 4	East AOI-5	6429	188	22.5	4,230.0	SM	C-43	
EP416	20-Sep-10	Area 4	East AOI-5	6418	188	22.5	4,230.0	SM	C-43/C-46	
EP417	20-Sep-10	Area 4	East AOI-5	6418	186	22.5	4,185.0	SM	C-43/C-46	
EP418	20-Sep-10	Area 4	East AOI-5	6418	106	22.5	2,385.0	SM	C-46	
EP419	20-Sep-10	Area 4	East AOI-5	6426	80	22.5	1,800.0	SM	C-46	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP420	20-Sep-10	Area 4	East AOI-5	6426	186	22.5	4,185.0	SM	C-46	
EP421	20-Sep-10	Area 4	East AOI-5	6426	186	22.5	4,185.0	SM	C-46	
EP422	20-Sep-10	Area 4	East AOI-5	6420	186	22.5	4,185.0	SM	C-46	
EP423	20-Sep-10	Area 4	East AOI-5	6420	185	22.5	4,162.5	SM	C-46	
EP424	20-Sep-10	Area 4	East AOI-5	6420	103	22.5	2,317.5	SM	C-46	
EP425	20-Sep-10	Area 4	East AOI-5	6354	80	22.5	1,800.0	SM	C-46	
EP426	20-Sep-10	Area 4	East AOI-5	6354	183	22.5	4,117.5	SM	C-46	
EP427	20-Sep-10	Area 4	East AOI-5	6354	176	22.5	3,960.0	SM	C-46	
EP428	20-Sep-10	Area 4	East AOI-5	6366	174	22.5	3,915.0	SM	C-46	
EP429	20-Sep-10	Area 4	East AOI-5	6366	168	22.5	3,780.0	SM	C-46	
EP430	20-Sep-10	Area 4	East AOI-5	6366	130	22.5	2,925.0	SM	C-46	
EP431	20-Sep-10	Area 4	East AOI-5	6429	30	22.5	675.0	SM	C-46	
EP432	21-Sep-10	Area 4	East AOI-5	6392	148	22.5	3,330.0	SM	C-46	
EP433	21-Sep-10	Area 4	East AOI-5	6392	224	22.5	5,040.0	SM	C-46	
EP434	21-Sep-10	Area 4	East AOI-5	6392	112	22.5	2,520.0	SM	C-46	
EP435	21-Sep-10	Area 4	East AOI-5	6430	38	22.5	855.0	SM	C-46	
EP436	21-Sep-10	Area 4	East AOI-5	6430	39	22.5	877.5	SM	C-46	
EP437	21-Sep-10	Area 4	East AOI-5	6430	39	22.5	877.5	SM	C-46	
EP438	21-Sep-10	Area 4	East AOI-5	6430	35	22.5	787.5	SM	C-46	
EP439	21-Sep-10	Area 4	East AOI-5	6430	33	22.5	742.5	SM	C-46	
EP440	21-Sep-10	Area 4	East AOI-5	6430	54	22.5	1,215.0	SM	C-46	
EP441	21-Sep-10	Area 4	East AOI-5	6430	50	22.5	1,125.0	SM	C-46	
EP442	21-Sep-10	Area 4	East AOI-5	6430	40	22.5	900.0	SM	C-46	
EP443	21-Sep-10	Area 4	East AOI-5	6392	20	10	200.0	SM	C-46	
EP444	21-Sep-10	Area 4	East AOI-7	6421	161	22.5	3,622.5	SM	C-43	
EP445	21-Sep-10	Area 4	East AOI-7	6421	117	22.5	2,632.5	SM	C-43	
EP446	21-Sep-10	Area 4	East AOI-7	6421	101	22.5	2,272.5	SM	C-43	
EP447	21-Sep-10	Area 4	East AOI-7	6421	100	22.5	2,250.0	SM	C-43	
EP448	21-Sep-10	Area 4	East AOI-7	6427	96	22.5	2,160.0	SM	C-43	
EP449	21-Sep-10	Area 4	East AOI-7	6427	90	22.5	2,025.0	SM	C-43	
EP450	21-Sep-10	Area 4	East AOI-7	6427	88	22.5	1,980.0	SM	C-43	
EP451	21-Sep-10	Area 4	East AOI-7	6427	85	22.5	1,912.5	SM	C-43	
EP452	4-Nov-10	Area 5	South AOI-4	6310	108	22.5	2,430.0	SM	C-40	
EP453	4-Nov-10	Area 5	South AOI-4	6310	117	22.5	2,632.5	SM	C-40	
EP454	4-Nov-10	Area 5	South AOI-4	6310	20.5	10	102.5	SM	C-40	
EP455	4-Nov-10	Area 5	South AOI-4	6310	42	22.5	945.0	SM	C-40	
EP456	4-Nov-10	Area 5	South AOI-4	6310	89.5	22.5	2,013.8	SM	C-40	
EP457	4-Nov-10	Area 5	South AOI-4	6320	115	22.5	2,587.5	SM	C-40	
EP458	4-Nov-10	Area 5	South AOI-4	6320	122	22.5	2,745.0	SM	C-40	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP459	4-Nov-10	Area 5	South AOI-4	6320	132	22.5	2,970.0	SM	C-40	
EP460	4-Nov-10	Area 5	South AOI-4	6480	32.5	16	260.0	SM	C-40	
EP461	4-Nov-10	Area 5	South AOI-4	6480	62	22.5	1,395.0	SM	C-40	
EP462	4-Nov-10	Area 5	South AOI-4	6480	110	22.5	2,475.0	SM	C-40	
EP463	4-Nov-10	Area 5	South AOI-4	6480	62	22.5	1,395.0	SM	C-40	
EP464	4-Nov-10	Area 5	South AOI-4	6320	74	22.5	1,665.0	SM	C-40	
EP465	4-Nov-10	Area 5	South AOI-4	6480	141	22.5	3,172.5	SM	C-40	
EP466	4-Nov-10	Area 5	South AOI-4	6480	30	22.5	675.0	SM	C-40	
EP467	4-Nov-10	Area 5	South AOI-4	6478	113	22.5	2,542.5	SM	C-40	
EP468	4-Nov-10	Area 5	South AOI-4	6478	146	22.5	3,285.0	SM	C-40	
EP469	4-Nov-10	Area 5	South AOI-4	6478	148.5	22.5	3,341.3	SM	C-40	
EP470	5-Nov-10	Area 5	South AOI-4	6330	20	12	120.0	SM	C-40	Wedge shaped panel
EP471	5-Nov-10	Area 5	South AOI-4	6330	38	22.5	855.0	SM	C-40	
EP472	5-Nov-10	Area 5	South AOI-4	6330	73	22.5	1,642.5	SM	C-40	
EP473	5-Nov-10	Area 5	South AOI-4	6330	108	22.5	2,430.0	SM	C-40	
EP474	5-Nov-10	Area 5	South AOI-4	6330	136	22.5	3,060.0	SM	C-40	
EP475	5-Nov-10	Area 5	South AOI-4	6313	146	22.5	3,285.0	SM	C-40	
EP476	5-Nov-10	Area 5	South AOI-4	6313	145	22.5	3,262.5	SM	C-40	
EP477	5-Nov-10	Area 5	South AOI-4	6313	147	22.5	3,307.5	SM	C-40	
EP478	5-Nov-10	Area 5	South AOI-4	6483	124	22	1,364.0	SM	C-40	Wedge shaped panel
EP479	5-Nov-10	Area 5	South AOI-4	6483	149	22.5	3,352.5	SM	C-40	
EP480	5-Nov-10	Area 5	South AOI-4	6483	155	22.5	3,487.5	SM	C-40	
EP481	5-Nov-10	Area 5	South AOI-4	6483	19	8	76.0	SM	C-40	Wedge shaped panel
EP482	5-Nov-10	Area 5	South AOI-4	6483	32	22.5	720.0	SM	C-40	
EP483	5-Nov-10	Area 5	South AOI-4	6327	60	22.5	1,350.0	SM	C-40	
EP484	5-Nov-10	Area 5	South AOI-4	6327	94	22.5	2,115.0	SM	C-39/C-40	
EP485	5-Nov-10	Area 5	South AOI-4	6327	123	22.5	2,767.5	SM	C-39/C-40	
EP486	5-Nov-10	Area 5	South AOI-4	6327	138	22.5	3,105.0	SM	C-39/C-40	
EP487	5-Nov-10	Area 5	South AOI-4	6324	137	22.5	3,082.5	SM	C-39/C-40	
EP488	5-Nov-10	Area 5	South AOI-4	6324	11	6	33.0	SM	C-39	Wedge shaped panel
EP489	5-Nov-10	Area 5	South AOI-4	6324	26	22.5	585.0	SM	C-39	
EP490	5-Nov-10	Area 5	South AOI-4	6324	53	22.5	1,192.5	SM	C-39/C-40	
EP491	5-Nov-10	Area 5	South AOI-4	6324	75	22.5	1,687.5	SM	C-39/C-40	
EP492	5-Nov-10	Area 5	East AOI-7	6324	66	22.5	1,485.0	SM	C-40	
EP493	5-Nov-10	Area 5	East AOI-7	6338	15	22.5	337.5	SM	C-40	
EP494	5-Nov-10	Area 5	East AOI-7	6338	73	22.5	1,642.5	SM	C-40	
EP495	5-Nov-10	Area 5	East AOI-7	6338	92	22.5	2,070.0	SM	C-40	
EP496	5-Nov-10	Area 5	East AOI-7	6338	95	22.5	2,137.5	SM	C-40	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP497	5-Nov-10	Area 5	East AOI-7	6338	95	22.5	2,137.5	SM	C-40/C-43	
EP498	5-Nov-10	Area 5	East AOI-7	6331	93	22.5	2,092.5	SM	C-43	
EP499	5-Nov-10	Area 5	East AOI-7	6331	86	13	1,118.0	SM	C-43	Wedge shaped panel
EP500	22-Jun-11	Area 3	Northeast AOI-10	6351	229	22.5	5,152.5	SM	C-41	
EP501	22-Jun-11	Area 3	Northeast AOI-10	6351	154	22.5	3,465.0	SM	C-41	
EP502	22-Jun-11	Area 3	Northeast AOI-10	6490	156	22.5	3,510.0	SM	C-41	
EP503	22-Jun-11	Area 3	Northeast AOI-10	6490	69	22.5	776.3	SM	C-41	Wedge shaped panel
EP504	22-Jun-11	Area 3	Northeast AOI-10	6490	310	22.5	6,975.0	SM	C-41	
EP505	22-Jun-11	Area 3	Northeast AOI-10	6358	158	22.5	1,777.5	SM	C-41	Wedge shaped panel
EP506	22-Jun-11	Area 3	Northeast AOI-10	6358	305	22.5	6,862.5	SM	C-41	
EP507	22-Jun-11	Area 5	South EAOI-4	6356	225	22.5	5,062.5	SM	C-41	
EP508	22-Jun-11	Area 5	South EAOI-4	6356	246	22.5	5,535.0	SM	C-41	
EP509	22-Jun-11	Area 5	South EAOI-4	6486	235	22.5	5,287.5	SM	C-41	
EP510	22-Jun-11	Area 5	South EAOI-4	6486	235	22.5	5,287.5	SM	C-41	
EP511	22-Jun-11	Area 5	South EAOI-4	6484	138	22.5	3,105.0	SM	C-41	
EP512	23-Jun-11	Area 5	South EAOI-4	6484	141	22.5	3,172.5	SM	C-41	
EP513	23-Jun-11	Area 5	South EAOI-4	6484	142	22.5	3,195.0	SM	C-41	
EP514	23-Jun-11	Area 5	South EAOI-4	6484	53	22.5	1,192.5	SM	C-41	
EP515	23-Jun-11	Area 5	South EAOI-4	6381	65	22.5	1,462.5	SM	C-40/C-41	
EP516	23-Jun-11	Area 5	South EAOI-4	6381	225	22.5	5,062.5	SM	C-41	
EP517	23-Jun-11	Area 5	South EAOI-4	6381	172	22.5	3,870.0	SM	C-38/C-41	
EP518	23-Jun-11	Area 5	South EAOI-4	6382	57	22.5	1,282.5	SM	C-41	
EP519	23-Jun-11	Area 5	South EAOI-4	6382	234	22.5	5,265.0	SM	C-38/C-41	
EP520	23-Jun-11	Area 5	South EAOI-4	6382	192	22.5	4,320.0	SM	C-38	
EP521	23-Jun-11	Area 5	South EAOI-4	6488	58	22.5	1,305.0	SM	C-38	
EP522	23-Jun-11	Area 5	South EAOI-4	6488	279	22.5	6,277.5	SM	C-38	
EP523	23-Jun-11	Area 5	South EAOI-4	6488	104	22.5	2,340.0	SM	C-38	
EP524	23-Jun-11	Area 5	South EAOI-4	6495	187	22.5	4,207.5	SM	C-38	
EP525	23-Jun-11	Area 5	South EAOI-4	6495	226	22.5	5,085.0	SM	C-38	
EP526	24-Jun-11	Area 5	South EAOI-4	6495	65	22.5	1,462.5	SM	C-41	
EP527	24-Jun-11	Area 5	South EAOI-4	6375	88	22.5	1,980.0	SM	C-40/C-41	
EP528	24-Jun-11	Area 5	South EAOI-4	6375	161	22.5	3,622.5	SM	C-40/C-41	
EP529	24-Jun-11	Area 5	South EAOI-4	6375	169	22.5	3,802.5	SM	C-40/C-41	
EP530	24-Jun-11	Area 5	South EAOI-4	6375	66	22.5	1,485.0	SM	C-37/C-38/C-41	
EP531	24-Jun-11	Area 5	South EAOI-4	6428	99	22.5	2,227.5	SM	C-40/C-41	
EP532	24-Jun-11	Area 5	South EAOI-4	6428	87	22.5	978.8	SM	C-37/C-38/C-40/C-41	
EP533	24-Jun-11	Area 5	South EAOI-4	6428	174	22.5	3,915.0	SM	C-37/C-38/C-40/C-41	
EP534	24-Jun-11	Area 5	South EAOI-4	6377	247	22.5	5,557.5	SM	C-37/C-38	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP535	24-Jun-11	Area 5	South EAOI-4	6377	222	22.5	4,995.0	SM	C-38	
EP536	24-Jun-11	Area 5	South EAOI-4	6428	27	22.5	607.5	SM	C-38	
EP537	24-Jun-11	Area 5	South EAOI-4	6379	230	22.5	5,175.0	SM	C-38	
EP538	24-Jun-11	Area 5	South EAOI-4	6379	200	22.5	4,500.0	SM	C-38	
EP539	24-Jun-11	Area 5	South EAOI-4	6379	62	22.5	1,395.0	SM	C-38	
EP540	24-Jun-11	Area 5	South EAOI-4	6411	113	22.5	2,542.5	SM	C-38	
EP541	24-Jun-11	Area 5	South EAOI-4	6411	154	22.5	3,465.0	SM	C-38	
EP542	24-Jun-11	Area 5	South EAOI-4	6411	136	22.5	3,060.0	SM	C-38	
EP543	24-Jun-11	Area 5	South EAOI-4	6428	53	22.5	1,192.5	SM	C-38	
EP544	24-Jun-11	Area 5	South EAOI-4	6411	59	22.5	1,327.5	SM	C-38	
EP545	24-Jun-11	Area 5	South EAOI-4	6411	45	22.5	1,012.5	SM	C-38	
EP546	24-Jun-11	Area 5	South EAOI-4	6412	47	22.5	1,057.5	SM	C-38	
EP547	25-Jun-11	Area 5	South EAOI-4	6412	189	22.5	4,252.5	SM	C-37/C-40	
EP548	25-Jun-11	Area 5	South EAOI-4	6412	200	22.5	4,500.0	SM	C-37/C-40	
EP549	25-Jun-11	Area 5	South EAOI-4	6416	210	22.5	4,725.0	SM	C-37/C-40	
EP550	25-Jun-11	Area 5	South EAOI-4	6416	210	22.5	4,725.0	SM	C-37/C-40	
EP551	25-Jun-11	Area 5	South EAOI-4	6410	70	22.5	787.5	SM	C-37	Wedge shaped panel
EP552	25-Jun-11	Area 5	South EAOI-4	6410	140	22.5	3,150.0	SM	C-37	
EP553	25-Jun-11	Area 5	South EAOI-4	6410	210	22.5	4,725.0	SM	C-37	
EP554	25-Jun-11	Area 5	South EAOI-4	6355	247	22.5	5,557.5	SM	C-37/C-38	
EP555	25-Jun-11	Area 5	South EAOI-4	6355	239	22.5	5,377.5	SM	C-37/C-38	
EP556	25-Jun-11	Area 5	South EAOI-4	6502	224	22.5	5,040.0	SM	C-37/C-38	
EP557	25-Jun-11	Area 5	South EAOI-4	6502	173	22.5	3,892.5	SM	C-37/C-38	
EP558	25-Jun-11	Area 5	South EAOI-4	6502	90	22.5	2,025.0	SM	C-37/C-38	
EP559	25-Jun-11	Area 5	South EAOI-4	6410	80	22.5	1,800.0	SM	C-37	
EP560	28-Jun-11	Area 5	Southeast AOI-4	6357	227	22.5	5,107.5	SM	C-37	
EP561	28-Jun-11	Area 5	Southeast AOI-4	6357	238	22.5	5,355.0	SM	C-37	
EP562	28-Jun-11	Area 5	Southeast AOI-4	6279	248	22.5	5,580.0	SM	C-37	
EP563	28-Jun-11	Area 5	Southeast AOI-4	6279	222	22.5	4,995.0	SM	C-37	
EP564	28-Jun-11	Area 5	Southeast AOI-4	6412	26	22.5	585.0	SM	C-37	
EP565	29-Jun-11	Area 5	Northeast AOI-4	6265	248	22.5	5,580.0	SM	C-37	
EP566	29-Jun-11	Area 5	Northeast AOI-4	6265	49	22.5	1,102.5	SM	C-37	
EP567	29-Jun-11	Area 5	Northeast AOI-4	6265	143	22.5	3,217.5	SM	C-37	
EP568	29-Jun-11	Area 5	Northeast AOI-4	6284	170	22.5	3,825.0	SM	C-37	
EP569	29-Jun-11	Area 5	Northeast AOI-4	6284	222	22.5	4,995.0	SM	C-37	
EP570	29-Jun-11	Area 5	Northeast AOI-4	6259	193	22.5	4,342.5	SM	C-37	
EP571	29-Jun-11	Area 5	Northeast AOI-4	6259	165	22.5	3,712.5	SM	C-37	
EP572	29-Jun-11	Area 5	Northeast AOI-4	6284	59	22.5	1,327.5	SM	C-37	Wedge shaped panel

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP573	29-Jun-11	Area 5	Northeast AOI-4	6499	178	22.5	4,005.0	SM	C-37	
EP574	29-Jun-11	Area 5	Northeast AOI-4	6499	175	22.5	3,937.5	SM	C-37	
EP575	29-Jun-11	Area 5	Northeast AOI-4	6499	138	22.5	3,105.0	SM	C-37	
EP576	29-Jun-11	Area 5	Northeast AOI-4	6386	138	22.5	3,105.0	SM	C-37	
EP577	29-Jun-11	Area 5	Northeast AOI-4	6386	134	22.5	3,015.0	SM	C-37	
EP578	29-Jun-11	Area 5	Northeast AOI-4	6386	125	22.5	2,812.5	SM	C-37	
EP579	29-Jun-11	Area 5	Northeast AOI-4	6364	120	22.5	2,700.0	SM	C-37	
EP580	29-Jun-11	Area 5	Northeast AOI-4	6364	112	22.5	2,520.0	SM	C-37	
EP581	29-Jun-11	Area 5	Northeast AOI-4	6364	103	4	412.0	SM	C-37	
EP582	29-Jun-11	Area 5	Northeast AOI-4	6386	69	22.5	1,552.5	SM	C-37	
EP583	29-Jun-11	Area 5	Northeast AOI-4	6364	97	17	1,649.0	SM	C-37	
EP584	29-Jun-11	Area 5	Northeast AOI-4	6364	65	22.5	1,462.5	SM	C-37	
EP585	7-Jul-11	Area 3/5	South AOI-4/North EAOI-10 Slope Tie in	6364	18	22.5	405.0	SM	C-41	
EP586	7-Jul-11	Area 3/5	South AOI-4/North EAOI-10 Slope Tie in	6259	81	22	1,782.0	SM	C-41	
EP587	7-Jul-11	Area 3/5	South AOI-4/North EAOI-10 Slope Tie in	6405	109	22	2,398.0	SM	C-40	
EP588	7-Jul-11	Area 3/5	South AOI-4/North EAOI-10 Slope Tie in	6405	83	22.5	1,867.5	SM	C-40	
EP589	7-Jul-11	Area 3/5	South AOI-4/North EAOI-10 Slope Tie in	6405	21	2.5	52.5	SM	C-40	Wedge shaped panel
EP590	7-Jul-11	Area 3/5	South AOI-4/North EAOI-10 Slope Tie in	6405	21	10	105.0	SM	C-40	Wedge shaped panel
EP591	11-Jul-11	Area 5	Northwest AOI-4	6405	244	22.5	5,490.0	SM	C-37	
EP592	11-Jul-11	Area 5	Northwest AOI-4	6405	74	6	444.0	SM	C-37	Wedge shaped panel
EP593	11-Jul-11	Area 5	Northwest AOI-4	6404	327	22.5	7,357.5	SM	C-37	
EP594	11-Jul-11	Area 5	Northwest AOI-4	6296	335	22.5	7,537.5	SM	C-37	
EP595	11-Jul-11	Area 5	Northwest AOI-4	6422	335	22.5	7,537.5	SM	C-37	
EP596	11-Jul-11	Area 5	Northwest AOI-4	6272	322	22.5	7,245.0	SM	C-37	
EP597	11-Jul-11	Area 5	Northwest AOI-4	6294	317	22.5	7,132.5	SM	C-37/C-40	
EP598	11-Jul-11	Area 5	Northwest AOI-4	6365	309	22.5	6,952.5	SM	C-37/C-40	
EP599	11-Jul-11	Area 5	Northwest AOI-4	6414	237	22.5	5,332.5	SM	C-36	
EP600	11-Jul-11	Area 5	Northwest AOI-4	6414	224	22.5	5,040.0	SM	C-36	
EP601	14-Jul-11	Area 5	South AOI-4 Slope Tie in	6404	50	6	300.0	SM	C-40	
EP602	14-Jul-11	Area 5	South AOI-4 Slope Tie in	6404	88	22.5	1,980.0	SM	C-40	
EP603	14-Jul-11	Area 5	South AOI-4 Slope Tie in	6404	38	6.5	247.0	SM	C-37	
EP604	14-Jul-11	Area 5	South AOI-4 Slope Tie in	6365	93	22.5	2,092.5	SM	C-40	
EP605	14-Jul-11	Area 5	South AOI-4 Slope Tie in	6404	46	7	322.0	SM	C-37	
EP606	14-Jul-11	Area 5	South AOI-4 Slope Tie in	6365	23	3	69.0	SM	C-40	
EP607	30-Aug-11	Area 5	North AOI-4 Slope	6139	60	22.5	1,350.0	SM	C-37/C-40	
EP608	30-Aug-11	Area 5	North AOI-4 Slope	6139	61	22.5	1,372.5	SM	C-37/C-40	
EP609	30-Aug-11	Area 5	North AOI-4 Slope	6134	287	22.5	6,457.5	SM	C-36/C-37/C-40	
EP610	30-Aug-11	Area 5	North AOI-4 Slope	6134	208	22.5	4,680.0	SM	C-36	
EP611	30-Aug-11	Area 5	North AOI-4 Slope	6145	79	22.5	1,777.5	SM	C-36/C-40	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP612	30-Aug-11	Area 5	North AOI-4 Slope	6145	283	22.5	6,367.5	SM	C-36/C-40	
EP613	30-Aug-11	Area 5	North AOI-4 Slope	6145	126	22.5	2,835.0	SM	C-36	
EP614	30-Aug-11	Area 5	North AOI-4 Slope	6139	162	22.5	3,645.0	SM	C-36/C-40	
EP615	30-Aug-11	Area 5	North AOI-4 Slope	6139	188	22.5	4,230.0	SM	C-36	
EP616	30-Aug-11	Area 5	North AOI-4 Slope	6137	146	22.5	3,285.0	SM	C-36/C-39/C-40	
EP617	30-Aug-11	Area 5	North AOI-4 Slope	6137	345	22.5	7,762.5	SM	C-36/C-39	
EP618	30-Aug-11	Area 5	North AOI-4 Slope	6143	345	22.5	7,762.5	SM	C-36/C-39	
EP619	30-Aug-11	Area 5	North AOI-4 Slope	6143	124	22.5	2,790.0	SM	C-36	
EP620	30-Aug-11	Area 5	North AOI-4 Slope	6146	211	22.5	4,747.5	SM	C-36/C-39	
EP621	30-Aug-11	Area 5	North AOI-4 Slope	6146	251	22.5	5,647.5	SM	C-36/C-39	
EP622	30-Aug-11	Area 5	North AOI-4 Slope	6146	16	1.5	24.0	SM	C-36	
EP623	31-Aug-11	Area 5	North AOI-4 Slope	6132	224	22.5	5,040.0	SM	C-36/C-39	
EP624	31-Aug-11	Area 5	North AOI-4 Slope	6132	224	22.5	5,040.0	SM	C-36/C-39	
EP625	31-Aug-11	Area 5	North AOI-4 Slope	6135	127	11	1,397.0	SM		
EP626	31-Aug-11	Area 5	Detention Basin 1	6135	172	20	3,440.0	SM	C-36/C-37	
EP627	31-Aug-11	Area 5	Detention Basin 1	6135	160	22.5	3,600.0	SM	C-36/C-37	
EP628	31-Aug-11	Area 5	Detention Basin 1	6130	182	22.5	4,095.0	SM	C-36/C-37	
EP629	31-Aug-11	Area 5	Detention Basin 1	6130	193	22.5	4,342.5	SM	C-36/C-37	
EP630	31-Aug-11	Area 5	Detention Basin 1	6130	23	22.5	517.5	SM	C-36	
EP631	31-Aug-11	Area 5	Detention Basin 1	6132	60	5	300.0	SM	C-36	
EP632	31-Aug-11	Area 5	Detention Basin 1	6135	54	5	270.0	SM	C-36/C-37	
EP633	31-Aug-11	Area 5	Detention Basin 1	6135	30	6	180.0	SM	C-37	Wedge shaped panel
EP634	1-Sep-11	Area 5	Detention Basin 1	6131	215	22.5	4,837.5	SM	C-35/C-37	
EP635	1-Sep-11	Area 5	Detention Basin 1	6131	98	22.5	2,205.0	SM	C-35	
EP636	1-Sep-11	Area 5	Detention Basin 1	6131	61	22.5	1,372.5	SM	C-35	Wedge shaped panel
EP637	1-Sep-11	Area 5	Detention Basin 1	6131	31	22.5	472.5	SM	C-35	
EP638	1-Sep-11	Area 5	Detention Basin 1	6131	17	9	76.5	SM	C-35	Wedge shaped panel
EP639	1-Sep-11	Area 5	Detention Basin 1	6126	210	22.5	4,725.0	SM	C-35/C-37	
EP640	1-Sep-11	Area 5	Detention Basin 1	6126	206	22.5	4,635.0	SM	C-35/C-37	
EP641	1-Sep-11	Area 5	Detention Basin 1	6128	196	22.5	4,410.0	SM	C-35/C-37	
EP642	1-Sep-11	Area 5	Detention Basin 1	6128	192	22.5	4,320.0	SM	C-35/C-37	
EP643	1-Sep-11	Area 5	Detention Basin 1	6135	26	22.5	292.5	SM	C-37	Wedge shaped panel
EP644	1-Sep-11	Area 5	Detention Basin 1	6128	96	22.5	2,160.0	SM	C-35/C-37	
EP645	1-Sep-11	Area 5	Detention Basin 1	6128	52	7	182.0	SM	C-37	Wedge shaped panel
EP646	2-Sep-11	Area 5	South AOI-4 Slope Tie in	6144	85	22.5	1,912.5	SM	C-40	
EP647	2-Sep-11	Area 5	South AOI-4 Slope Tie in	6144	157	22.5	3,532.5	SM	C-39/C-40	
EP648	2-Sep-11	Area 5	South AOI-4 Slope Tie in	6144	82	22.5	922.5	SM	C-40	Wedge shaped panel
EP649	2-Sep-11	Area 5	South AOI-4 Slope Tie in	6144	124	22.5	2,790.0	SM	C-39/C-40	
EP650	2-Sep-11	Area 5	South AOI-4 Slope Tie in	6144	77	20	770.0	SM	C-39/C-40	Wedge shaped panel

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP651	2-Sep-11	Area 5	South AOI-4 Slope Tie in	6133	16	22.5	360.0	SM	C-39	
EP652	2-Sep-11	Area 5	South AOI-4 Slope Tie in	6133	30	20	600.0	SM	C-39	
EP653	2-Sep-11	Area 5	South AOI-4 Slope Tie in	6133	25	17	212.5	SM	C-39	Wedge shaped panel
EP654	6-Sep-11	Area 5	Detention Basin 2	6133	275	14	3,850.0	SM	C-35/C-37	
EP655	6-Sep-11	Area 5	Detention Basin 2	6133	42	14	294.0	SM	C-37	Wedge shaped panel
EP656	6-Sep-11	Area 5	Detention Basin 2	6138	301	22.5	6,772.5	SM	C-35/C-37	
EP657	6-Sep-11	Area 5	Detention Basin 2	6138	196	22.5	4,410.0	SM	C-35/C-37	
EP658	6-Sep-11	Area 5	Detention Basin 2	6287	136	22.5	3,060.0	SM	C-35/C-37	
EP659	6-Sep-11	Area 5	Detention Basin 2	6287	355	22.5	7,987.5	SM	C-35/C-37	
EP660	6-Sep-11	Area 5	Detention Basin 2	6288	380	22.5	8,550.0	SM	C-35/C-37	
EP661	6-Sep-11	Area 5	Detention Basin 2	6288	104	22.5	2,340.0	SM	C-35/C-37	
EP662	6-Sep-11	Area 5	Detention Basin 2	6286	319	22.5	7,177.5	SM	C-35	
EP663	6-Sep-11	Area 5	Detention Basin 2	6286	128	22.5	2,160.0	SM	C-35	Partial wedge shaped panel
EP664	6-Sep-11	Area 5	Detention Basin 2	6293	297	22.5	6,682.5	SM	C-35	
EP665	6-Sep-11	Area 5	Detention Basin 2	6293	189	22.5	4,252.5	SM	C-35	
EP666	6-Sep-11	Area 5	Detention Basin 2	6293	59	22.5	663.8	SM	C-35	Wedge shaped panel
EP667	6-Sep-11	Area 5	Detention Basin 2	6283	155	22.5	3,487.5	SM	C-35	
EP668	6-Sep-11	Area 5	Detention Basin 2	6283	261	22	5,742.0	SM	C-35	
EP669	6-Sep-11	Area 5	Detention Basin 2	6133	47	14	329.0	SM	C-35	Wedge shaped panel
EP670	6-Sep-11	Area 5	Detention Basin 2	6283	163	22.5	3,667.5	SM	C-35	
EP671	6-Sep-11	Area 5	Detention Basin 2	6283	39	12	468.0	SM	C-35	
EP672	6-Sep-11	Area 5	Detention Basin 2	6133	40	12	240.0	SM	C-35	Wedge shaped panel
EP673	6-Sep-11	Area 5	Detention Basin 2	6133	35	22.5	787.5	SM	C-35	
EP674	14-Sep-11	Area 5	Detention Basin 5	6373	49	16	784.0	SM	C-41	
EP675	14-Sep-11	Area 5	Detention Basin 5	6373	86	22.5	1,935.0	SM	C-41	
EP676	14-Sep-11	Area 5	Detention Basin 5	6373	117	22.5	2,632.5	SM	C-38/C-41	
EP677	14-Sep-11	Area 5	Detention Basin 5	6373	135	22.5	3,037.5	SM	C-38/C-41	
EP678	14-Sep-11	Area 5	Detention Basin 5	6311	145	22.5	3,262.5	SM	C-38/C-41	
EP679	14-Sep-11	Area 5	Detention Basin 5	6311	150	22.5	3,375.0	SM	C-38	
EP680	14-Sep-11	Area 5	Detention Basin 5	6266	158	22.5	3,555.0	SM	C-38	
EP681	14-Sep-11	Area 5	Detention Basin 5	6266	173	22.5	3,892.5	SM	C-38	
EP682	14-Sep-11	Area 5	Detention Basin 5	6266	148	22.5	3,330.0	SM	C-38	
EP683	14-Sep-11	Area 5	Detention Basin 5	6376	48	22.5	1,080.0	SM	C-38	
EP684	14-Sep-11	Area 5	Detention Basin 5	6376	200	22.5	4,500.0	SM	C-38	
EP685	14-Sep-11	Area 5	Detention Basin 5	6376	200	22.5	4,500.0	SM	C-38	
EP686	14-Sep-11	Area 5	Detention Basin 5	6311	183	22.5	4,117.5	SM	C-38	
EP687	14-Sep-11	Area 5	Detention Basin 5	6373	15.5	22.5	168.8	SM	C-38	Wedge shaped panel
EP688	22-Sep-11	Area 5	Southeast AOI-15	6295	208	22.5	4,680.0	SM	C-39	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP689	22-Sep-11	Area 5	Southeast AOI-15	6295	185	22.5	4,162.5	SM	C-39	
EP690	22-Sep-11	Area 5	Southeast AOI-15	6295	87	22.5	1,957.5	SM	C-39	
EP691	22-Sep-11	Area 5	Southeast AOI-15	6292	70	22.5	1,575.0	SM	C-39	
EP692	22-Sep-11	Area 5	Southeast AOI-15	6292	122	22.5	2,745.0	SM	C-39	
EP693	22-Sep-11	Area 5	Southeast AOI-15	6295	38	22.5	427.5	SM	C-39	Wedge shaped panel
EP694	22-Sep-11	Area 5	Southeast AOI-15	6292	28	22.5	315.0	SM	C-39	Wedge shaped panel
EP695	22-Sep-11	Area 5	Southeast AOI-15	6292	221	22.5	4,972.5	SM	C-39	
EP696	22-Sep-11	Area 5	Southeast AOI-15	6292	63	22.5	1,417.5	SM	C-39/C-40	
EP697	22-Sep-11	Area 5	Southeast AOI-15	6129	145	22.5	3,262.5	SM	C-39	
EP698	22-Sep-11	Area 5	Southeast AOI-15	6129	128	22.5	2,880.0	SM	C-39	
EP699	22-Sep-11	Area 5	Southeast AOI-15	6129	101	22.5	2,272.5	SM	C-39	
EP700	22-Sep-11	Area 5	Southeast AOI-15	6129	101	22.5	2,272.5	SM	C-39	
EP701	22-Sep-11	Area 5	Southeast AOI-15	6127	45	22.5	1,012.5	SM	C-39/C-40	
EP702	22-Sep-11	Area 5	Southeast AOI-15	6127	31	18	558.0	SM	C-39/C-40	
EP703	22-Sep-11	Area 5	Southeast AOI-15	6127	79	22.5	1,777.5	SM	C-39/C-42	
EP704	22-Sep-11	Area 5	Southeast AOI-15	6127	48	22.5	1,080.0	SM	C-42	
EP705	22-Sep-11	Area 5	Southeast AOI-15	6127	32	6	192.0	SM	C-42	
EP706	22-Sep-11	Area 5	Detention Basin 3	6127	12	20	240.0	SM	C-37	
EP707	22-Sep-11	Area 5	Detention Basin 3	6127	80	22.5	1,800.0	SM	C-37/C-38	
EP708	22-Sep-11	Area 5	Detention Basin 3	6127	76	22.5	1,710.0	SM	C-37/C-38	
EP709	22-Sep-11	Area 5	Detention Basin 3	6267	79	22.5	1,777.5	SM	C-38	
EP710	22-Sep-11	Area 5	Detention Basin 3	6267	85	22.5	1,912.5	SM	C-37/C-38	
EP711	22-Sep-11	Area 5	Detention Basin 3	6267	87	22.5	1,957.5	SM	C-35/C-37/C-38	
EP712	22-Sep-11	Area 5	Detention Basin 3	6267	40	22.5	450.0	SM	C-38	Wedge shaped panel
EP713	22-Sep-11	Area 5	Detention Basin 3	6267	47	22.5	528.8	SM	C-35	Wedge shaped panel
EP714	22-Sep-11	Area 5	Detention Basin 3	6285	138	22.5	3,105.0	SM	C-38	
EP715	22-Sep-11	Area 5	Detention Basin 3	6285	108	22.5	2,430.0	SM	C-38	
EP716	22-Sep-11	Area 5	Detention Basin 3	6288	108	22.5	2,430.0	SM	C-38	
EP717	22-Sep-11	Area 5	Detention Basin 3	6285	101	22.5	2,272.5	SM	C-38	
EP718	22-Sep-11	Area 5	Detention Basin 3	6331	88	22.5	1,980.0	SM	C-38	
EP719	22-Sep-11	Area 5	Detention Basin 3	6331	94	22.5	2,115.0	SM	C-38	
EP720	29-Sep-11	Area 5	South AOI-15	6126	47	22.5	1,057.5	SM	C-39	
EP721	29-Sep-11	Area 5	South AOI-15	6130	75	22.5	1,687.5	SM	C-39	
EP722	10-Oct-11	Area 5	Detention Basin 4	6263	102	22.5	2,295.0	SM	C-38	
EP723	10-Oct-11	Area 5	Detention Basin 4	6263	102	22.5	2,295.0	SM	C-38	
EP724	10-Oct-11	Area 5	Detention Basin 4	6263	98	22.5	2,205.0	SM	C-38	
EP725	10-Oct-11	Area 5	Detention Basin 4	6263	96	22.5	2,160.0	SM	C-38	
EP726	10-Oct-11	Area 5	Detention Basin 4	6254	118	22.5	2,655.0	SM	C-38	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP727	10-Oct-11	Area 5	Detention Basin 4	6254	143	22.5	3,217.5	SM	C-38	
EP728	10-Oct-11	Area 5	Detention Basin 4	6254	76	11.25	855.0	SM	C-38	Wedge shaped panel
EP729	10-Oct-11	Area 5	Detention Basin 4	6254	146	22.5	2,463.8	SM	C-38	Partial wedge shaped panel
EP730	10-Oct-11	Area 5	Detention Basin 4	6268	150	22.5	3,375.0	SM	C-38	
EP731	10-Oct-11	Area 5	Detention Basin 4	6268	8	22.5	180.0	SM	C-38	
EP732	10-Oct-11	Area 5	Detention Basin 4	6268	134	22.5	3,015.0	SM	C-38	
EP733	10-Oct-11	Area 5	Detention Basin 4	6268	115	22.5	2,587.5	SM	C-38	
EP734	10-Oct-11	Area 5	Detention Basin 4	6268	78	22.5	1,755.0	SM	C-38	Wedge shaped panel
EP735	10-Oct-11	Area 5	Detention Basin 4	6275	46	22.5	1,035.0	SM	C-38	
EP736	10-Oct-11	Area 5	Detention Basin 4	6275	70	22.5	1,575.0	SM	C-38	
EP737	10-Oct-11	Area 5	Detention Basin 4	6275	126	22.5	2,835.0	SM	C-38	
EP738	10-Oct-11	Area 5	Detention Basin 4	6275	135	22.5	3,037.5	SM	C-38	
EP739	10-Oct-11	Area 5	Detention Basin 4	6275	102	22.5	2,295.0	SM	C-38	
EP740	10-Oct-11	Area 5	Detention Basin 4	6261	39	22.5	877.5	SM	C-38	
EP741	10-Oct-11	Area 5	Detention Basin 4	6261	106	22.5	2,385.0	SM	C-38	
EP742	10-Oct-11	Area 5	Detention Basin 4	6261	36	5.5	198.0	SM	C-38	Wedge shaped panel
EP743	10-Oct-11	Area 5	Detention Basin 4	6268	27	3	81.0	SM	C-38	Wedge shaped panel
EP744	10-Oct-11	Area 5	Detention Basin 4	6261	96	11.25	1,080.0	SM	C-38	Wedge shaped panel
EP745	10-Oct-11	Area 5	Detention Basin 4	6268	37	9	333.0	SM	C-38	
EP746	14-Oct-11	Area 5	Detention Basin 2	6267	40	23	920.0	SM	C-35	
EP747	7-Dec-11	Area 5	Southwest AOI-15	6430	86	22.5	1,935.0	NS	C-39	
EP748	7-Dec-11	Area 5	Southwest AOI-15	6430	63	22.5	1,417.5	NS	C-39	
EP749	7-Dec-11	Area 5	Southwest AOI-15	6427	36	22.5	810.0	NS	C-39/C-42	
EP750	7-Dec-11	Area 5	Southwest AOI-15	6427	35	22.5	787.5	NS	C-42	
EP751	7-Dec-11	Area 5	Southwest AOI-15	6323	9.5	14.2	213.8	NS	C-42	Wedge shaped panel
EP752	7-Dec-11	Area 5	Southwest AOI-15	6493	171	22.5	3,847.5	NS	C-39	
EP753	7-Dec-11	Area 5	Southwest AOI-15	6493	15	22.5	337.5	NS	C-39	
EP754	7-Dec-11	Area 5	Southwest AOI-15	6493	197	22.5	4,432.5	NS	C-39	
EP755	7-Dec-11	Area 5	Southwest AOI-15	6493	28	13	630.0	NS	C-39	
EP756	8-Dec-11	Area 5	West AOI-15	6493	7.5	22.5	168.8	NS	C-39	
EP757	8-Dec-11	Area 5	West AOI-15	6258	123	22.5	2,767.5	NS	C-39	
EP758	8-Dec-11	Area 5	West AOI-15	6258	201	22.5	4,522.5	NS	C-39	
EP759	8-Dec-11	Area 5	West AOI-15	6258	135	22.5	3,037.5	NS	C-39	
EP760	8-Dec-11	Area 5	West AOI-15	6273	65	22.5	1,462.5	NS	C-39	
EP761	8-Dec-11	Area 5	West AOI-15	6273	197	22.5	4,432.5	NS	C-39	
EP762	8-Dec-11	Area 5	West AOI-15	6273	183	22.5	4,117.5	NS	C-39	
EP763	8-Dec-11	Area 5	West AOI-15	6273	32	22.5	720.0	NS	C-39	
EP764	8-Dec-11	Area 5	West AOI-15	6281	139	22.5	3,127.5	NS	C-39	

TABLE 3.3.2

**SUMMARY OF LLDPE LINER INSTALLATION LOG
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ² (feet) (1)	Width (feet)	Area (feet ²)			
EP765	8-Dec-11	Area 5	West AOI-15	6281	157	22.5	3,532.5	NS	C-39	
EP766	8-Dec-11	Area 5	West AOI-15	6281	148	22.5	3,330.0	NS	C-39	
EP767	8-Dec-11	Area 5	West AOI-15	6136	131	22.5	2,947.5	NS	C-39	
EP768	8-Dec-11	Area 5	West AOI-15	6136	124	22.5	2,790.0	NS	C-39	
EP769	8-Dec-11	Area 5	West AOI-15	6136	127	22.5	2,857.5	NS	C-39	
EP770	8-Dec-11	Area 5	West AOI-15	6136	76	22.5	1,710.0	NS	C-36/C-39	
EP771	8-Dec-11	Area 5	West AOI-15	6261	50	22.5	1,125.0	NS	C-39	
EP772	8-Dec-11	Area 5	West AOI-15	6261	126	22.5	2,835.0	NS	C-36/C-39	
EP773	9-Dec-11	Area 5	North AOI-15	6261	90	22.5	2,025.0	NS	C-36/C-39	
EP774	9-Dec-11	Area 5	North AOI-15	6256	36	22.5	810.0	NS	C-36	
EP775	9-Dec-11	Area 5	North AOI-15	6256	129	22.5	2,902.5	NS	C-36	
EP776	9-Dec-11	Area 5	North AOI-15	6281	29	22.5	652.5	NS	C-36	
EP777	9-Dec-11	Area 5	North AOI-15	6256	20	22.5	450.0	NS	C-36	
EP778	9-Dec-11	Area 5	North AOI-15	6422	29	22.5	652.5	NS	C-36	
EP779	9-Dec-11	Area 5	North AOI-15	6479	28	22.5	630.0	NS	C-36	
EP780	9-Dec-11	Area 5	North AOI-15	6373	28	22.5	630.0	NS	C-36	
EP781	9-Dec-11	Area 5	North AOI-15	6422	11	22.5	247.5	NS	C-36	
EP782	9-Dec-11	Area 5	North AOI-15	6422	37	22.5	832.5	NS	C-36	
EP783	9-Dec-11	Area 5	North AOI-15	6256	89	22.5	2,002.5	NS	C-36	
EP784	9-Dec-11	Area 5	North AOI-15	6256	89	22.5	2,002.5	NS	C-36	
EP785	9-Dec-11	Area 5	North AOI-15	6256	88	22.5	1,980.0	NS	C-36	
EP786	9-Dec-11	Area 5	North AOI-15	6274	85	22.5	1,912.5	NS	C-36	
EP787	9-Dec-11	Area 5	North AOI-15	6274	238	22.5	5,175.0	NS	C-36/C-39	
EP788	9-Dec-11	Area 5	North AOI-15	6274	140	22.5	3,150.0	NS	C-36/C-39	
EP789	9-Dec-11	Area 5	North AOI-15	6278	100	22.5	2,250.0	NS	C-36/C-39	
EP790	10-Dec-11	Area 5	North AOI-15	6287	269	22.5	6,052.5	NS	C-36/C-39	
EP791	10-Dec-11	Area 5	North AOI-15	6287	49	22.5	1,102.5	NS	C-39	
EP792	10-Dec-11	Area 5	North AOI-15	6300	260	22.5	5,850.0	NS	C-36/C-39	
EP793	10-Dec-11	Area 5	North AOI-15	6300	216	22.5	540.0	NS	C-36/C-39	
EP794	10-Dec-11	Area 5	North AOI-15	6300	115	22.5	2,587.5	NS	C-39	
EP795	10-Dec-11	Area 5	North AOI-15	6289	332	22.5	7,470.0	NS	C-36/C-39	
EP796	10-Dec-11	Area 5	North AOI-15	6276	28	22.5	630.0	NS	C-39	
EP797	10-Dec-11	Area 5	North AOI-15	6276	362	22.5	8,145.0	NS	C-36/C-39	
EP798	10-Dec-11	Area 5	North AOI-15	6303	73	22.5	1,642.5	NS	C-36	
EP799	10-Dec-11	Area 5	North AOI-15	6303	276	22.5	6,210.0	NS	C-36/C-39	
EP800	10-Dec-11	Area 5	North AOI-15	6303	199	22.5	4,477.5	NS	C-36/C-39	
EP801	10-Dec-11	Area 5	North AOI-15	6262	130	22.5	2,925.0	NS	C-39	
EP802	10-Dec-11	Area 5	North AOI-15	6262	320	22.5	7,200.0	NS	C-36/C-39	

TABLE 3.3.2

SUMMARY OF LLDPE LINER INSTALLATION LOG
 CONSTRUCTION CERTIFICATION REPORT
 EAST PLANT AREA COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

Panel ID Number	Date Deployed	Area	Location	Manufacturer's Roll Numbers	Panel Dimensions			Installation ² Approved (QA ID) (2)	Drawing No. ⁽³⁾	Comment
					Length ¹ (feet) (1)	Width (feet)	Area (feet ²)			
EP803	10-Dec-11	Area 5	North AOI-15	6257	69	22.5	1,552.5	NS	C-36	
EP804	10-Dec-11	Area 5	North AOI-15	6257	46	22.5	1,035.0	NS	C-36	
EP805	10-Dec-11	Area 5	North AOI-15	6257	28	12	336.0	NS	C-36	
EP806	10-Dec-11	Area 5	North AOI-15	6257	83	22.5	1,867.5	NS	C-39	
EP807	10-Dec-11	Area 5	North AOI-15	6257	13.5	22.5	303.8	NS	C-39	

Notes:

- ⁽¹⁾ Installed length represents field measurement of actual deployed length. For trapezoidal shapes, the measured length was the longer side.
- ⁽²⁾ Installation approval refers to visual inspection of installation procedures.
- ⁽³⁾ The panel shape was not always recorded on the Panel Installation Log form; however, the panel shape is presented on the respective Drawing number.

TABLE 3.3.3
SUMMARY OF LLDPE LINER TEST SEAMS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Date	Time	Ambient Temperature (°F)	Seamer ID	Machine ID	Fusion/Extrusion			Peel Test ^(1,2) (ppi)					Shear Test ⁽¹⁾ (ppi)		QA ID	Pass/Fail	Comments
					Weld Type	Temperature (°F)	Speed	Coupon 1 A/B	Coupon 2 A/B	Coupon 3 A/B	Coupon 4 A/B	Coupon 5 A/B	Coupon 1/2/3	Coupon 4/5			
29-Jul-08	8:18	-	MK	DT15	S/S Fusion	800	5.5	107/110	108/112	107/107	112/109	104/110	117/112/116	111/111	PB	Pass	
29-Jul-08	8:19	-	RV	DT19	S/S Fusion	800	5.5	107/105	109/108	110/108	111/107	112/107	112/115/105	114/115	PB	Pass	
29-Jul-08	13:35	-	MK	DT15	T/T Fusion	800	5.5	84/84	85/90	83/86	82/86	88/90	91/92/93	93/90	PB	Pass	
29-Jul-08	13:40	-	MK	DT15	S/S Fusion	800	5.5	84/89	88/87	91/87	87/88	89/88	91/91/92	91/90	PB	Pass	
29-Jul-08	13:40	-	RV	DT19	T/T Fusion	800	6.0	89/88	81/85	87/90	85/86	94/90	93/94/100	90/90	PB	Pass	
29-Jul-08	13:41	-	RV	DT19	S/S Fusion	800	6.0	99/92	93/91	93/94	80/80	96/93	95/94/99	95/98	PB	Pass	
1-Aug-08	8:00	-	BV	G#8	Extrusion	500	250	101	85	88	95	94	104/105/110	108/109	PB	Pass	
1-Aug-08	8:30	-	PI	G#15	Extrusion	280	200	106	91	108	107	111	122/114/122	128/116	PB	Pass	
1-Aug-08	13:00	-	PI	G#15	Extrusion	280	200	89	87	87	89	89	91/90/95	92/93	PB	Pass	
1-Aug-08	13:30	-	BV	G#8	Extrusion	500	250	82	84	84	84	87	90/90/97	81/98	PB	Pass	
4-Aug-08	8:00	-	BV	G#8	Extrusion	500	250	103	104	100	103	108	111/109/109	108/108	PB	Pass	
4-Aug-08	13:20	-	MK	DT15	T/T Fusion	800	5.5	83/83	85/86	83/85	87/92	84/84	93/94/94	91/96	PB	Pass	
4-Aug-08	13:17	-	MK	DT15	S/S Fusion	800	5.5	85/86	83/86	88/88	84/87	91/88	91/91/90	91/91	PB	Pass	
4-Aug-08	13:20	-	RV	DT19	S/S Fusion	800	6.0	95/95	97/94	94/95	93/97	96/94	92/95/97	95/93	PB	Pass	
4-Aug-08	13:22	-	RV	DT19	T/T Fusion	800	6.0	90/99	85/93	83/101	84/95	96/95	97/94/95	90/94	PB	Pass	
4-Aug-08	14:30	-	BV	G#8	Extrusion	500	250	87	90	89	92	97	95/99/96	94/94	PB	Pass	
5-Aug-08	7:30	-	BV	G#8	Extrusion	500	250	105	106	107	93	101	108/115/119	117/118	PB	Pass	
5-Aug-08	7:50	-	PI	G#15	Extrusion	270	200	97	102	96	98	100	106/109/107	110/109	PB	Pass	
7-Aug-08	7:30	-	BV	G#8	Extrusion	500	250	102	101	105	100	106	109/110/108	111/107	PB	Pass	
7-Aug-08	13:16	-	BV	G#8	Extrusion	500	250	93	91	92	92	94	108/108/113	111/102	PB	Pass	
9-Aug-08	8:00	-	MK	DT15	Fusion	800	5.5	116/108	108/109	121/121	104/108	119/118	130/115/113	128/126	PB	Pass	
9-Aug-08	8:00	-	MK	DT15	Fusion	800	5.5	128/130	114/107	116/121	113/117	126/123	147/123/122	139/131	PB	Pass	
9-Aug-08	8:04	-	RV	DT19	Fusion	800	6.0	122/120	104/108	119/119	104/102	120/120	128/112/121	128/126	PB	Pass	
9-Aug-08	8:05	-	RV	DT19	Fusion	800	6.0	111/118	100/122	120/124	106/108	122/117	134/118/132	120/128	PB	Pass	
9-Aug-08	9:20	-	BV	G#8	Extrusion	500	250	78	80	89	81	80	90/92/102	91/95	PB	Pass	
11-Aug-08	9:00	-	BV	G#8	Extrusion	500	250	84	99	87	97	103	125/103/110	122/124	PB	Pass	
11-Aug-08	9:10	-	RV	DT19	T/T Fusion	800	6.0	106/101	100/94	102/91	103/90	108/94	121/114/107	115/117	PB	Pass	
11-Aug-08	9:15	-	RV	DT19	S/S Fusion	800	6.0	122/118	103/102	117/121	111/103	118/120	124/127/114	129/118	PB	Pass	
11-Aug-08	9:05	-	MK	DT15	S/S Fusion	800	5.5	119/116	112/101	114/112	102/109	117/115	120/115/123	112/126	PB	Pass	
11-Aug-08	9:10	-	MK	DT15	T/T Fusion	800	5.5	117/113	94/97	107/99	102/100	102/105	128/104/117	95/99	PB	Pass	
11-Aug-08	13:27	-	BV	G#8	Extrusion	500	250	102	99	95	96	96	102/95/105	101/104	PB	Pass	
11-Aug-08	13:50	-	MK	DT15	S/S Fusion	800	5.5	96/94	92/94	98/95	95/91	97/96	99/97/100	98/101	PB	Pass	
11-Aug-08	13:55	-	MK	DT15	T/T Fusion	800	5.5	90/89	93/90	84/80	89/87	93/89	93/90/91	90/92	PB	Pass	
11-Aug-08	14:05	-	RV	DT19	S/S Fusion	800	6.0	89/88	87/85	91/88	90/81	86/96	91/90/92	90/92	PB	Pass	
11-Aug-08	14:00	-	RV	DT19	T/T Fusion	800	6.0	85/81	89/89	88/89	88/85	85/87	91/90/90	91/91	PB	Pass	
12-Aug-08	9:00	-	MK	DT15	S/S Fusion	800	5.5	117/114	105/103	119/114	103/106	120/116	122/114/113	122/126	PB	Pass	
12-Aug-08	9:05	-	MK	DT15	T/T Fusion	800	5.5	113/112	100/111	100/1025	111/110	113/109	120/118/115	110/119	PB	Pass	
12-Aug-08	9:25	-	RV	DT19	S/S Fusion	800	6.0	103/109	99/101	102/98	106/107	106/108	117/108/111	117/121	PB	Pass	
12-Aug-08	9:20	-	RV	DT19	T/T Fusion	800	6.0	93/99	91/92	103/103	93/94	109/110	126/126/118	123/125	PB	Pass	
12-Aug-08	8:00	-	PI	G#8	Extrusion	500	250	120	98	92	90	99	120/131/105	114/120	PB	Pass	
12-Aug-08	13:20	-	PI	G#8	Extrusion	500	250	93	85	82	79	82	98/90/91	92/93	PB	Pass	
13-Aug-08	13:25	-	RV	DT19	S/S Fusion	800	6.0	85/85	81/87	81/85	77/81	81/86	91/90/90	91/90	PB	Pass	
13-Aug-08	13:25	-	RV	DT19	T/T Fusion	800	6.0	86/87	79/86	80/81	81/82	83/80	90/91/91	90/90	PB	Pass	

TABLE 3.3.3

**SUMMARY OF LLDPE LINER TEST SEAMS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Time	Ambient Temperature (°F)	Seamer ID	Machine ID	Fusion/Extrusion			Peel Test ^(1,2) (ppi)					Shear Test ⁽¹⁾ (ppi)		QA ID	Pass/Fail	Comments
					Weld Type	Temperature (°F)	Speed	Coupon 1 A/B	Coupon 2 A/B	Coupon 3 A/B	Coupon 4 A/B	Coupon 5 A/B	Coupon 1/2/3	Coupon 4/5			
13-Aug-08	13:25	-	MK	DT15	S/S Fusion	800	5.5	91/86	81/88	82/80	80/84	81/82	90/90/91	91/91	PB	Pass	
13-Aug-08	13:26	-	MK	DT15	T/T Fusion	800	5.5	88/84	80/82	86/79	81/90	82/85	90/92/90	91/93	PB	Pass	
18-Aug-08	13:20	-	RV	DT19	Fusion	800	6.0	77/78	77/79	80/84	82/78	84/87	96/90/99	90/91	PB	Pass	
18-Aug-08	13:05	-	MK	DT15	Fusion	800	5.5	86/84	85/88	82/79	88/91	82/84	96/96/99	95/96	PB	Pass	
18-Aug-08	13:10	-	MK	DT15	Fusion	800	5.5	92/94	83/81	93/90	90/78	83/91	94/91/90	90/96	PB	Pass	
18-Aug-08	13:58	-	BV	G#8	Extrusion	500	250	102	99	100	92	100	95/94/91	92/90	PB	Pass	
19-Aug-08	8:10	-	BV	G#8	Extrusion	500	250	91	102	100	95	95	116/108/130	116/120	PB	Pass	
21-Aug-08	9:40	-	VK	DT15	S/S Fusion	800	5.5	106/101	100/99	105/103	105/103	106/103	114/110/113	111/113	PB	Pass	
21-Aug-08	9:44	-	RV	DT19	S/S Fusion	800	6.0	104/102	103/101	99/109	99/90	107/107	99/109/117	101/110	PB	Pass	
21-Aug-08	9:45	-	RV	DT19	T/T Fusion	800	6.0	100/98	101/90	102/101	100/99	104/99	104/119/115	121/116	PB	Pass	
21-Aug-08	13:40	-	VK	DT15	S/S Fusion	800	5.5	86/87	82/83	90/91	78/88	89/89	97/92/93	92/97	PB	Pass	
21-Aug-08	13:40	-	RV	DT19	S/S Fusion	800	6.0	93/92	93/98	92/82	99/88	88/90	93/90/92	91/91	PB	Pass	
21-Aug-08	13:42	-	RV	DT19	T/T Fusion	800	6.0	85/87	84/80	92/94	92/90	94/87	101/92/94	99/96	PB	Pass	
21-Aug-08	14:40	-	BV	G#8	Extrusion	500	250	98	99	95	97	99	103/106/101	104/106	PB	Pass	
10-Sep-08	12:10	-	RV	DT19	S/S Fusion	800	5.5	92/95	101/106	85/93	105/102	91/88	104/96/94	104/104	PB	Pass	
10-Sep-08	14:15	-	MK	DT15	S/S Fusion	800	5.5	102/101	85/90	105/100	89/85	102/96	91/99/94	104/102	PB	Pass	
10-Sep-08	14:15	-	RV	DT19	T/T Fusion	800	5.5	90/96	83/83	92/96	95/100	96/91	106/99/105	106/97	PB	Pass	
10-Sep-08	14:20	-	MK	DT15	T/T Fusion	800	5.5	88/95	102/98	97/101	104/97	101/98	101/106/98	100/102	PB	Pass	
11-Sep-08	7:57	-	BV	G#8	Extrusion	500	250	104	99	112	100	107	124/118/132	112/130	PB	Pass	
11-Sep-08	10:10	-	RV	DT19	T/T Fusion	800	5.5	105/115	100/96	101/106	97/95	117/109	115/111/123	111/124	PB	Pass	
11-Sep-08	10:15	-	RV	DT19	S/S Fusion	800	5.5	113/113	97/100	113/108	100/100	115/114	116/104/115	104/115	PB	Pass	
11-Sep-08	10:54	-	MK	DT15	S/S Fusion	800	5.5	83/93	80/81	91/102	82/89	92/103	115/104/98	117/119	PB	Pass	
11-Sep-08	13:15	-	BV	G#8	Extrusion	500	250	108	100	100	101	110	105/102/103	109/106	PB	Pass	
16-Sep-08	8:40	-	PI	G#15	Extrusion	300	200	83	79	88	81	97	125/129/130	136/129	PB	Pass	
16-Sep-08	8:41	-	BV	G#8	Extrusion	500	250	95	99	118	80	90	130/123/136	124/130	PB	Pass	
16-Sep-08	13:20	-	BV	G#8	Extrusion	500	250	96	96	96	102	101	108/111/109	108/107	PB	Pass	
17-Sep-08	8:00	-	BV	G#8	Extrusion	500	250	100	100	111	102	119	136/134/128	136/142	PB	Pass	
17-Sep-08	13:30	-	BV	G#8	Extrusion	500	250	99	91	95	100	101	122/120/125	131/127	PB	Pass	
18-Sep-08	7:30	-	BV	G#8	Extrusion	500	250	127	125	125	120	122	141/141/139	143/140	PB	Pass	
19-Sep-08	13:40	83	MK	DT15	S/S Fusion	800	5.5	98/93	99/94	95/97	99/102	97/101	100/104/103	102/104	EC	Pass	
19-Sep-08	13:45	83	MK	DT15	T/T Fusion	800	5.5	96/98	941/97	95/90	89/94	97/101	106/101/104	105/101	EC	Pass	
19-Sep-08	13:48	83	RV	DT19	S/S Fusion	800	5.5	97/94	100/95	101/99	99/95	96/99	100/98/101	99/102	EC	Pass	
19-Sep-08	13:52	83	RV	DT19	T/T Fusion	800	5.5	97/99	100/100	95/97	90/95	99/103	99/97/100	100/99	EC	Pass	
20-Sep-08	9:00	70	RV	DT19	S/S Fusion	800	5.5	116/99	100/118	115/111	102/103	114/115	108/106/105	110/111	EC	Pass	
20-Sep-08	9:05	70	RV	DT19	T/T Fusion	800	5.5	105/109	82/79	111	-	-	-	-	EC	Fail	
20-Sep-08	9:10	70	MK	DT15	S/S Fusion	800	5.5	116/115	96/96	111/107	96/94	106/114	104/116/115	119/108	EC	Pass	
20-Sep-08	9:15	70	MK	DT15	T/T Fusion	800	5.5	112/112	100/106	118/112	105/101	116/124	123/116/133	115/117	EC	Pass	
20-Sep-08	9:20	70	RV	DT19	T/T Fusion	800	4.5	107/106	103/99	105/98	-	-	106/105	123	EC	Pass	
20-Sep-08	13:40	70	RV	DT19	S/S Fusion	800	5.5	92/96	80/87	93/95	-	-	108/94	110	EC	Pass	
20-Sep-08	13:43	70	RV	DT19	T/T Fusion	800	4.5	95/89	85/79	102/87	-	-	124/97	113	EC	Pass	
20-Sep-08	13:46	70	MK	DT15	S/S Fusion	800	5.5	105/96	93/87	101/104	-	-	108/93	109	EC	Pass	
20-Sep-08	13:49	70	MK	DT15	T/T Fusion	800	5.5	97/99	93/94	94/106	-	-	107/97	112	EC	Pass	
22-Sep-08	7:40	69	BV	G#8	Extrusion	500	250	99	101	109	-	-	141/112/121	-	EC	Pass	

TABLE 3.3.3

SUMMARY OF LLDPE LINER TEST SEAMS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Date	Time	Ambient Temperature (°F)	Seamer ID	Machine ID	Fusion/Extrusion			Peel Test ^(1,2) (ppi)					Shear Test ⁽¹⁾ (ppi)		QA ID	Pass/Fail	Comments
					Weld Type	Temperature (°F)	Speed	Coupon 1 A/B	Coupon 2 A/B	Coupon 3 A/B	Coupon 4 A/B	Coupon 5 A/B	Coupon ² 1/2/3	Coupon ² 4/5			
22-Sep-08	8:28	69	PI	G#30	Extrusion	287	200	106	88	104	-	-	124/111/126	-	EC	Pass	
22-Sep-08	13:08	85	BV	G#8	Extrusion	500	250	92	113	107	-	-	110/114/108	-	EC	Pass	
22-Sep-08	14:50	85	MK	DT15	Fusion	800	5.0	86/81	89/82	89/90	-	-	91/94/90	-	EC	Pass	
22-Sep-08	16:30	85	BV	G#8	Extrusion	500	250	89	87	88	-	-	97/95/91	-	EC	Pass	
23-Sep-08	8:30	70	RV	DT19	S/S Fusion	800	5.5	126/119	115/104	123/125	-	-	132/124/131	-	EC	Pass	
23-Sep-08	8:35	70	RV	DT19	T/T Fusion	800	4.5	110/107	96/91	114/117	-	-	128/117/134	-	EC	Pass	
23-Sep-08	8:40	70	MK	DT15	S/S Fusion	800	5.5	124/115	105/118	120/128	-	-	131/116/131	-	EC	Pass	
23-Sep-08	8:45	70	MK	DT19	T/T Fusion	800	5.0	103/108	86/94	103/99	-	-	120/106/123	-	EC	Pass	
23-Sep-08	13:15	85	MK	DT15	S/S Fusion	800	5.5	100/100	85/84	98/93	-	-	106/92/107	-	EC	Pass	
23-Sep-08	13:20	85	MK	DT15	T/T Fusion	800	5.0	96/90	84/92	100/95	-	-	96/95/104	-	EC	Pass	
23-Sep-08	13:25	85	RV	DT19	S/S Fusion	800	5.5	91/100	81/86	103/101	-	-	109/93/104	-	EC	Pass	
23-Sep-08	13:30	85	RV	DT19	T/T Fusion	800	4.5	86/87	89/96	84/86	-	-	107/91/109	-	EC	Pass	
23-Sep-08	14:42	85	BV	G#8	Extrusion	500	250	92	84	87	-	-	90/97/89	-	EC	Pass	
24-Sep-08	7:46	70	BV	G#8	Extrusion	500	250	78	80	79	-	-	105/114/113	-	EC	Pass	
26-Sep-08	9:57	68	RV	DT19	T/T Fusion	800	4.5	100/106	97/80	113/109	-	-	121/115/119	-	EC	Pass	
26-Sep-08	10:00	68	RV	DT19	S/S Fusion	800	5.5	100/117	91/103	106/115	-	-	128/114/126	-	EC	Pass	
26-Sep-08	10:04	68	MK	DT15	S/S Fusion	800	5.5	125/119	104/110	117/120	-	-	127/116/135	-	EC	Pass	
26-Sep-08	10:07	68	MK	DT15	T/T Fusion	800	5.0	119/94	110/91	120	-	-	135	-	EC	Fail	
26-Sep-08	10:20	68	BV	G#8	Extrusion	500	250	92	97	99	-	-	120/129/135	-	EC	Pass	
26-Sep-08	10:56	68	MK	DT15	T/T Fusion	800	4.5	87/104	87/93	104/107	-	-	115/117/111	-	EC	Pass	DT15 Retest - reduced speed
27-Sep-08	8:00	70	MK	DT15	T/T Fusion	800	4.5	114/121	99/110	111/111	-	-	132/118/140	-	EC	Pass	
27-Sep-08	13:20	75	RV	G#8	Extrusion	500	250	91	89	87	-	-	110/92/96	-	EC	Pass	
29-Sep-08	11:30	70	BV	G#8	Extrusion	500	250	108	109	112	-	-	113/109/115	-	EC	Pass	
30-Sep-08	15:45	70	RV	DT19	S/S Fusion	800	5.5	119/119	106/107	117/118	-	-	121/110/121	-	EC	Pass	
30-Sep-08	15:50	70	RV	DT19	T/T Fusion	800	4.5	104/103	98/96	102/103	-	-	120/103/114	-	EC	Pass	
30-Sep-08	15:55	70	MK	DT19	S/S Fusion	800	5.5	117/112	107/94	120/115	-	-	110/125/117	-	EC	Pass	
30-Sep-08	15:58	70	MK	DT19	T/T Fusion	800	4.5	120/117	94/115	-	-	-	-	EC	Fail		
30-Sep-08	16:00	70	MK	DT19	T/T Fusion	800	4.0	120/118	102/105	113/119	-	-	124/107/116	-	EC	Pass	DT19 Retest - reduced speed
30-Sep-08	16:03	70	BV	G#8	Extrusion	500	250	106	94	104	-	-	115/103/109	-	EC	Pass	
1-Oct-08	7:40	65	PI	G#15	Extrusion	275	200	114	101	137	-	-	133/129/139	-	EC	Pass	
1-Oct-08	7:45	65	PI	G#15	Extrusion	275	200	99	104	110	-	-	123/120/124	-	EC	Pass	
1-Oct-08	7:48	65	BV	G#8	Extrusion	500	250	117	121	109	-	-	149/125/143	-	EC	Pass	
1-Oct-08	7:53	65	BV	G#8	Extrusion	500	250	102	90	97	-	-	127/116/134	-	EC	Pass	
6-Oct-08	12:05	80	PI	G#8	Extrusion	500	250	125	130	126	-	-	155/149/161	-	EC	Pass	
8-Nov-08	9:55	45	VK	DT2	S/S Fusion	800	5.0	142/141	134/122	131/131	-	-	169/153/158	-	SM	Pass	
8-Nov-08	10:00	45	RV	DT19	S/S Fusion	800	5.0	144/146	132/127	143/142	-	-	154/150/155	-	SM	Pass	
8-Nov-08	10:10	45	MK	DT15	S/S Fusion	800	5.0	137/148	112/131	131/140	-	-	153/144/155	-	SM	Pass	
8-Nov-08	10:02	45	MK	DT15	T/T Fusion	800	5.0	138/127	121/116	125/125	-	-	161/163/152	-	SM	Pass	
8-Nov-08	13:31	50	VK	DT2	S/S Fusion	800	5.0	125/130	116/116	130/125	-	-	141/131/141	-	SM	Pass	
8-Nov-08	13:30	50	MK	DT15	S/S Fusion	800	5.0	123/140	113/125	128/124	-	-	146/135/148	-	SM	Pass	
8-Nov-08	14:04	50	MK	DT15	T/T Fusion	800	3.0	128/108	125/112	133/115	-	-	146/136/150	-	SM	Pass	
8-Nov-08	14:06	50	MK	DT15	S/T Fusion	800	3.0	134/132	118/111	124/127	-	-	149/137/135	-	SM	Pass	
10-Nov-08	7:58	50	RV	DT19	S/S Fusion	800	5.0	131/123	121/114	114/132	-	-	149/137/135	-	EC	Pass	

TABLE 3.3.3

SUMMARY OF LLDPE LINER TEST SEAMS
 CONSTRUCTION CERTIFICATION REPORT
 EAST PLANT AREA COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

Date	Time	Ambient Temperature (°F)	Seamer ID	Machine ID	Fusion/Extrusion			Peel Test ^(1,2) (ppi)					Shear Test ⁽¹⁾ (ppi)		QA ID	Pass/Fail	Comments
					Weld Type	Temperature (°F)	Speed	Coupon 1 A/B	Coupon 2 A/B	Coupon 3 A/B	Coupon 4 A/B	Coupon 5 A/B	Coupon ² 1/2/3	Coupon ² 4/5			
10-Nov-08	8:00	50	BV	G#70	Extrusion	500	400	100	105	105	-	-	162/152/164	-	EC	Pass	
10-Nov-08	8:11	50	MK	DT15	S/S Fusion	800	5.0	115/122	103/112	114/123	-	-	143/125/151	-	EC	Pass	
10-Nov-08	8:15	50	MK	DT15	T/T Fusion	800	3.0	119/114	102/117	121/126	-	-	139/137/152	-	EC	Pass	
10-Nov-08	8:30	50	VK	DT2	S/S Fusion	800	5.0	137/141	131/118	143/152	-	-	157/144/143	-	EC	Pass	
10-Nov-08	8:35	50	VK	DT2	T/T Fusion	800	3.0	119/121	111/122	105/134	-	-	156/143/158	-	EC	Pass	
10-Nov-08	13:50	60	VK	DT2	S/S Fusion	800	5.0	116/119	97/107	116/119	-	-	141/130/144	-	EC	Pass	
10-Nov-08	13:54	60	RV	DT19	S/S Fusion	800	5.0	123/119	109/109	127/118	-	-	151/136/149	-	EC	Pass	
10-Nov-08	13:57	60	MK	DT15	S/S Fusion	800	5.0	127/126	108/110	120/131	-	-	149/135/147	-	EC	Pass	
10-Nov-08	14:00	60	MK	DT15	T/T Fusion	800	3.0	130/136	115/112	100/109	-	-	149/135/147	-	EC	Pass	
10-Nov-08	14:03	60	BV	G#70	Extrusion	500	400	122	114	131	-	-	139/128/146	-	EC	Pass	
11-Nov-08	7:55	50	VK	DT2	S/S Fusion	800	5.0	135/155	128/120	115/132	-	-	148/141/144	-	EC	Pass	
11-Nov-08	8:00	50	MK	DT15	S/S Fusion	800	5.0	128/136	120/132	132/141	-	-	167/152/165	-	EC	Pass	
11-Nov-08	8:05	50	MK	DT15	T/T Fusion	800	5.0	124/135	122/120	142/128	-	-	159/150/165	-	EC	Pass	
11-Nov-08	8:40	50	VK	DT2	T/T Fusion	800	3.0	128/143	109/119	126/137	-	-	150/134/148	-	EC	Pass	
17-Nov-08	9:25	30	PI	G#31	Extrusion	500	500	125	105	113	-	-	151/145/140	-	CH	Pass	
17-Nov-08	9:30	30	BV	G#70	Extrusion	500	400	134	126	118	-	-	144/149/141	-	CH	Pass	
17-Nov-08	13:05	35	PI	G#31	Extrusion	500	500	137	127	119	-	-	154/146/151	-	CH	Pass	
17-Nov-08	13:30	35	BV	G#70	Extrusion	500	400	100	120	133	-	-	142/119/132	-	CH	Pass	
17-Nov-08	14:00	35	RV	G#49	Extrusion	500	400	118	120	123	-	-	154/150/149	-	CH	Pass	
18-Nov-08	8:00	30	BV	G#70	Extrusion	400	500	132	119	133	-	-	152/148/150	-	CH	Pass	
20-Nov-08	7:40	30	RV	DT19	S/S Fusion	800	4.0	130/132	121/122	137/143	-	-	161/156/158	-	EC	Pass	
20-Nov-08	7:47	30	MK	DT15	S/S Fusion	800	4.0	100/128	94/144	127/142	-	-	166/155/166	-	EC	Pass	
20-Nov-08	8:05	30	VK	DT2	T/T Fusion	800	3.0	133/139	105/121	136/143	-	-	155/151/160	-	EC	Pass	
20-Nov-08	8:10	30	VK	DT2	S/T Fusion	800	3.0	134/138	114/121	131/140	-	-	161/148/165	-	EC	Pass	
20-Nov-08	8:35	30	VK	DT2	S/S Fusion	800	4.0	125/119	104/110	116/129	-	-	163/152/161	-	EC	Pass	
20-Nov-08	11:00	30	BV	G#70	Extrusion	400	500	116	101	104	-	-	133/125/132	-	EC	Pass	
20-Nov-08	14:07	30	RV	G#49	Extrusion	400	500	100	96	95	-	-	133/130/141	-	EC	Pass	
22-Nov-08	8:30	23	RV	DT19	S/S Fusion	800	4.0	132/142	103/138	155/148	-	-	165/159/173	-	SM	Pass	
22-Nov-08	8:27	23	VK	DT2	S/S Fusion	800	4.0	127/128	124/118	136/142	-	-	160/169/178	-	SM	Pass	
22-Nov-08	8:23	23	VK	DT2	S/T Fusion	800	2.5	155/140	135/125	141/140	-	-	181/178/184	-	SM	Pass	
22-Nov-08	8:35	23	VK	DT2	T/T Fusion	800	2.5	135/150	123/124	149/132	-	-	188/190/198	-	SM	Pass	
22-Nov-08	8:30	23	MK	DT15	S/S Fusion	800	5.0	140/159	126/136	150/137	-	-	179/165/181	-	SM	Pass	
22-Nov-08	8:35	23	MK	DT15	T/T Fusion	800	3.0	142/160	132/132	140/141	-	-	175/169/183	-	SM	Pass	
22-Nov-08	12:30	23	MK	DT15	S/S Fusion	800	5.0	123/137	111/129	130/137	-	-	163/152/159	-	CH	Pass	
22-Nov-08	12:25	23	VK	DT2	S/S Fusion	800	4.0	133/137	118/119	138/132	-	-	160/151/161	-	CH	Pass	
22-Nov-08	12:30	23	VK	DT2	T/T Fusion	800	2.5	142/137	114/118	139/128	-	-	170/166/161	-	CH	Pass	
22-Nov-08	13:00	23	BV	G#70	Extrusion	500	400	149	132	139	-	-	170/140/158	-	CH	Pass	
22-Nov-08	17:00	23	MK	DT15	S/S Fusion	800	5.0	129/143	115/135	118/144	-	-	162/153/167	-	CH	Pass	
22-Nov-08	17:18	23	BV	G#70	Extrusion	800	400	101	100	115	-	-	142/137/150	-	CH	Pass	
22-Nov-08	17:17	23	VK	DT2	T/T Fusion	800	2.5	114/121	95/105	134/129	-	-	162/146/158	-	CH	Pass	
25-Nov-08	10:09	35	BV	G#70	Extrusion	400	500	110	116	113	-	-	137/129/133	-	EC	Pass	
26-Nov-08	8:00	40	BV	G#70	Extrusion	400	500	113	101	106	-	-	150/151/154	-	CH	Pass	
26-Nov-08	13:20	40	BV	G#70	Extrusion	400	500	114	109	111	-	-	140/141/144	-	CH	Pass	

TABLE 3.3.3

SUMMARY OF LLDPE LINER TEST SEAMS
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 EAST PLANT AREA COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

Date	Time	Ambient Temperature (°F)	Seamer ID	Machine ID	Fusion/Extrusion			Peel Test ^(1,2) (ppi)					Shear Test ⁽¹⁾ (ppi)		QA ID	Pass/Fail	Comments
					Weld Type	Temperature (°F)	Speed	Coupon 1 A/B	Coupon 2 A/B	Coupon 3 A/B	Coupon 4 A/B	Coupon 5 A/B	Coupon ² 1/2/3	Coupon ² 4/5			
2-Dec-08	9:45	25	RV	G#49	Extrusion	400	500	118	142	134	-	-	176/161/167	-	EC	Pass	
5-Dec-08	8:09	23	MK	DT15	S/T Fusion	800	3.0	153/156	146/134	142/152	-	-	166/167/166	-	EC	Pass	
5-Dec-08	8:15	23	MK	DT15	S/S Fusion	800	5.0	139/153	135/141	134/155	-	-	189/178/170	-	EC	Pass	
5-Dec-08	8:25	23	VK	DT2	S/S Fusion	800	4.0	116/106	116/121	101/111	-	-	140/150/124	-	EC	Pass	
5-Dec-08	8:28	23	VK	DT2	T/T Fusion	800	2.0	142/131	130/131	142/152	-	-	176/173/167	-	EC	Pass	
5-Dec-08	9:40	23	BV	G#70	Extrusion	400	500	131	133	136	-	-	151/142/148	-	EC	Pass	
5-Dec-08	10:30	23	PI	G#31	Extrusion	500	500	105	100	124	-	-	154/151/173	-	EC	Pass	
5-Dec-08	13:05	23	BV	G#70	Extrusion	400	500	166	137	154	-	-	177/167/169	-	CH	Pass	
5-Dec-08	13:05	23	PI	G#31	Extrusion	500	500	148	138	155	-	-	165/141/160	-	CH	Pass	
6-Apr-10	8:45	-	VC	DT027	S/S Fusion	800	5.0	105/104	96/103	102/102	-	-	108/109	110	PB	Pass	
6-Apr-10	8:45	-	SN	DT227	S/S Fusion	800	5.0	100/95	109/99	108/99	-	-	108/110	112	PB	Pass	
6-Apr-10	10:49	-	VC	DT027	S/T Fusion	800	3.0	100/97	93/101	95/91	-	-	102/105	108	PB	Pass	
6-Apr-10	13:04	-	VC	DT027	S/S Fusion	800	5.0	99/100	92/97	97/95	-	-	101/98	96	PB	Pass	
6-Apr-10	13:05	-	VC	DT027	S/T Fusion	800	3.5	91/98	95/96	87/96	-	-	101/98	99	PB	Pass	
6-Apr-10	13:15	-	SN	DT227	S/S Fusion	800	5	78/98	78/98	81/91	-	-	95/96	96	PB	Pass	
6-Apr-10	13:15	-	SN	DT227	T/T Fusion	800	3.5	88/88	92/94	90/92	-	-	100/98	96	PB	Pass	
6-Apr-10	13:23	-	VC	DT027	T/T Fusion	800	3.5	97/93	84/96	92/95	-	-	108/102	106	PB	Pass	
7-Apr-10	7:40	-	VC	DT027	S/S Fusion	800	5.0	111/118	108/118	108/117	-	-	122/124	123	PB	Pass	
7-Apr-10	7:55	-	SN	DT227	S/S Fusion	800	5.0	127/114	116/113	120/117	-	-	132/130	135	PB	Pass	
7-Apr-10	8:00	-	SN	DT227	T/S Fusion	800	3.5	103/93	105/109	105/96	-	-	111/122	130	PB	Pass	
7-Apr-10	8:00	-	BV	G024	Extrusion	500	400	110	115	110	-	-	107/113	115	PB	Pass	
7-Apr-10	7:45	-	VC	DT027	T/S Fusion	800	3.5	118/95	109/111	118/119	-	-	125/126	124	PB	Pass	
7-Apr-10	7:50	-	VC	DT027	T/T Fusion	800	3.5	111/115	108/107	106/107	-	-	116/115	119	PB	Pass	
7-Apr-10	13:23	-	VC	DT027	T/T Fusion	800	3.5	101/101	101/101	104/98	-	-	122/126	128	PB	Pass	
7-Apr-10	14:00	-	BV	G024	Extrusion	500	400	79	88	89	-	-	111/118	123	PB	Pass	
9-Apr-10	13:25	-	BV	G024	Extrusion	500	400	127	115	111	-	-	126/122	121	PB	Pass	
10-Apr-10	8:00	-	VC	DT027	S/S Fusion	800	5.0	123/124	131/125	125/123	-	-	155/154	155	PB	Pass	
10-Apr-10	8:05	-	VC	DT027	T/T Fusion	800	3.5	112/121	122/128	117/125	-	-	134/138	143	PB	Pass	
10-Apr-10	8:04	-	TR	DT025	S/S Fusion	800	5.0	132/132	132/120	122/127	-	-	147/148	145	PB	Pass	
10-Apr-10	8:19	-	TR	DT025	S/T Fusion	800	3.5	131/122	132/129	130/125	-	-	142/144	148	PB	Pass	
10-Apr-10	10:05	-	SN	DT227	T/T Fusion	800	3.5	101/105	95/111	105/105	-	-	121/115	117	PB	Pass	
10-Apr-10	10:10	-	SN	DT227	S/S Fusion	800	5.0	100/106	111/111	107/110	-	-	120/116	122	PB	Pass	
10-Apr-10	13:12	-	VC	DT027	S/S Fusion	800	5.0	90/9	82/81	84/90	-	-	95/96	98	PB	Pass	
10-Apr-10	13:15	-	VC	DT027	T/T Fusion	800	3.5	85/83	79/81	87/87	-	-	94/93	94	PB	Pass	
10-Apr-10	13:10	-	SN	DT227	S/S Fusion	800	5.0	91/97	86/96	90/96	-	-	94/93	100	PB	Pass	
10-Apr-10	13:10	-	SN	DT227	T/T Fusion	800	3.5	103/98	89/87	86/93	-	-	93/97	95	PB	Pass	
10-Apr-10	13:12	-	TR	DT025	S/S Fusion	800	4.0	103/101	99/99	94/92	-	-	101/97	102	PB	Pass	
10-Apr-10	13:16	-	TR	DT025	T/T Fusion	800	3.5	96/94	94/96	104/102	-	-	94/108	110	PB	Pass	
10-Apr-10	13:20	-	VC	DT027	S/T Fusion	800	3.5	95/103	95/102	91/92	-	-	91/99	95	PB	Pass	
12-Apr-10	7:59	-	VC	DT027	S/S Fusion	800	5.0	115/107	111/112	118/116	-	-	145/142	147	PB	Pass	
12-Apr-10	7:58	-	VC	DT027	T/T Fusion	800	3.5	123/114	114/117	112/107	-	-	131/130	132	PB	Pass	
12-Apr-10	8:00	-	VC	DT027	S/T Fusion	800	3.5	114/103	108/115	106/112	-	-	132/138	140	PB	Pass	
12-Apr-10	8:00	-	BV	G024	Extrusion	500	400	104	102	98	-	-	142/133	143	PB	Pass	

TABLE 3.3.3

SUMMARY OF LLDPE LINER TEST SEAMS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Date	Time	Ambient Temperature (°F)	Seamer ID	Machine ID	Fusion/Extrusion			Peel Test ^(1,2) (ppi)					Shear Test ⁽¹⁾ (ppi)		QA ID	Pass/Fail	Comments
					Weld Type	Temperature (°F)	Speed	Coupon 1 A/B	Coupon 2 A/B	Coupon 3 A/B	Coupon 4 A/B	Coupon 5 A/B	Coupon ² 1/2/3	Coupon ² 4/5			
12-Apr-10	8:00	-	SN	DT227	S/S Fusion	800	5.0	110/117	128/114	109/116	-	-	139/143	142	PB	Pass	
12-Apr-10	8:05	-	SN	DT227	T/T Fusion	800	3.5	118/120	116/115	111/104	-	-	133/134	128	PB	Pass	
12-Apr-10	13:10	-	VC	DT027	S/S Fusion	800	5.0	86/87	83/94	89/90	-	-	87/90	88	PB	Pass	
12-Apr-10	13:15	-	VC	DT027	T/T Fusion	800	3.5	93/86	86/83	81/83	-	-	80/85	88	PB	Fail ⁽³⁾	
12-Apr-10	13:16	-	VC	DT027	S/T Fusion	800	3.5	87/85	85/81	83/85	-	-	86/85	90	PB	Pass	
12-Apr-10	13:20	-	BV	G024	Extrusion	500	400	104	100	95	-	-	106/102	107	PB	Pass	
12-Apr-10	13:15	-	SN	DT227	S/S Fusion	800	5.0	85/92	83/88	85/89	-	-	95/88	88	PB	Pass	
12-Apr-10	13:40	-	TR	DT025	S/S Fusion	800	5.0	96/96	93/95	95/90	-	-	93/99	97	PB	Pass	
12-Apr-10	13:44	-	TR	DT025	T/T Fusion	800	3.5	81/86	88/85	80/86	-	-	87/96	93	PB	Pass	
12-Apr-10	7:50	-	BV	G024	Extrusion	500	400	125	115	112	-	-	126/133	132	PB	Pass	
13-Apr-10	13:20	-	BV	G024	Extrusion	500	400	104	107	106	-	-	95/108	96	PB	Pass	
14-Apr-10	7:40	-	BV	G024	Extrusion	500	400	124	130	121	-	-	141/132	137	PB	Pass	
14-Apr-10	13:15	-	BV	G024	Extrusion	500	400	105	99	99	-	-	101/105	109	PB	Pass	
30-Apr-10	10:30	60	BV	G024	Extrusion	500	400	104	112	104	-	-	104/115	110	SM	Pass	
14-May-10	10:55	60	BV	G024	Extrusion	500	400	97	112	122	-	-	121/127	125	SM	Pass	
7-Jun-10	14:55	78	FA	W-40	S/S Fusion	800	11.7	114/110	108/112	96/106	-	-	151/145	134	SM	Pass	
7-Jun-10	14:55	78	FA Jr	W-43	S/S Fusion	800	11.5	111/111	111/111	115/116	-	-	150/152	136	SM	Pass	
7-Jun-10	17:00	79	DO	G22	Extrusion	450	-	90	75	97	-	-	107/105	92	SM	Pass	
7-Jun-10	17:12	79	FA	W-40	T/S Fusion	800	11.9	99/99	93/90	87/99	-	-	135/132	138	SM	Pass	
8-Jun-10	8:00	70	DO	#22	Extrusion	450	-	85	89	92	-	-	109/112	105	SM	Pass	
8-Jun-10	9:00	70	RP	#73	Extrusion	450	-	101	83	98	-	-	104/108	107	SM	Pass	
8-Jun-10	16:05	70	FA	W-40	S/S Fusion	800	11.9	89/86	88/89	92/92	-	-	136/141	139	SM	Pass	
9-Jun-10	7:55	-	FA	G22	Extrusion	430	-	95	92	98	-	-	95/97	99	SM	Pass	
17-Jun-10	14:00	85	BV	#24	Extrusion	400	500	95	97	98	-	-	95/97	95	SM	Pass	
7-Jul-10	13:25	95	SS	#24	Extrusion	450	300	73	71	71	-	-	92/92	92	SM	Pass	
16-Jul-10	13:40	90	SS	#51	Extrusion	500	350	80	83	87	-	-	98/93	91	SM	Pass	
24-Aug-10	13:25	80	MK	#44	Fusion	680	3.5	108/102	109/107	109/106	101/102	104/97	123/121	117	SM	Pass	
24-Aug-10	15:05	82	JG	#50	Fusion	750	4.0	84/107	105/105	99/100	-	-	109/105	105	SM	Pass	
24-Aug-10	17:30	82	JG	#50	Fusion	750	4.0	96/95	103/94	-	-	-	-	SM	Fail		
24-Aug-10	17:40	82	JG	#50	Fusion	750	3.4	95/109	109/106	107/104	-	-	119/122	112	SM	Pass	#50 Retest - reduced speed
25-Aug-10	8:00	76	MK	#44	Fusion	750	3.5	113/115	116/116	107/104	-	-	132/133	137	SM	Pass	
25-Aug-10	8:00	78	JG	#50	Fusion	750	3.5	95/101	102/107	100/107	-	-	120/118	119	SM	Pass	
25-Aug-10	11:12	80	MK	#44	S/T Fusion	750	3.0	107/107	102/102	106/101	-	-	116/111	120	SM	Pass	
25-Aug-10	13:20	84	JG	#50	Fusion	750	3.5	93/90	84/86	84/87	-	-	100/102	105	SM	Pass	
25-Aug-10	13:25	84	MK	#44	Fusion	750	3.5	90/95	96/96	96/101	-	-	104/102	101	SM	Pass	
25-Aug-10	13:15	84	MK	#44	T/T Fusion	750	3.0	100/102	104/99	95/94	-	-	104/107	108	SM	Pass	
26-Aug-10	7:20	70	MK	#44	Fusion	750	3.0	111/119	121/120	116/112	-	-	140/140	139	SM	Pass	
26-Aug-10	8:16	70	PB	#34	Extrusion	450	350	95	92	99	-	-	128/130	137	SM	Pass	
26-Aug-10	10:00	70	SS	#51	Extrusion	500	350	91	100	94	-	-	98/102	98	SM	Pass	
26-Aug-10	13:09	76	PB	#34	Extrusion	450	350	88	87	88	-	-	102/99	100	SM	Pass	
27-Aug-10	7:40	67	PB	#34	Extrusion	450	350	99	106	108	-	-	130/137	156	SM	Pass	
27-Aug-10	7:40	67	SS	#51	Extrusion	500	350	94	94	100	-	-	115/123	109	SM	Pass	
27-Aug-10	13:05	80	SS	#51	Extrusion	450	350	99	98	104	-	-	118/118	110	SM	Pass	

TABLE 3.3.3

SUMMARY OF LLDPE LINER TEST SEAMS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Date	Time	Ambient Temperature (°F)	Seamer ID	Machine ID	Fusion/Extrusion			Peel Test ^(1,2) (ppi)					Shear Test ⁽¹⁾ (ppi)		QA ID	Pass/Fail	Comments
					Weld Type	Temperature (°F)	Speed	Coupon 1 A/B	Coupon 2 A/B	Coupon 3 A/B	Coupon 4 A/B	Coupon 5 A/B	Coupon ² 1/2/3	Coupon ² 4/5			
27-Aug-10	13:16	80	PB	#34	Extrusion	450	300	108	110	106	-	-	110/115	106	SM	Pass	
28-Aug-10	7:57	70	PB	#34	Extrusion	450	350	116	112	103	-	-	136/146	132	SM	Pass	
30-Aug-10	7:36	70	PB	#34	Extrusion	450	350	105	100	99	-	-	109/118	122	SM	Pass	
31-Aug-10	7:10	70	MK	#44	S/T Fusion	750	3.0	107/129	110/116	111/104	-	-	120/126	124	SM	Pass	
31-Aug-10	7:15	70	MK	#44	S/S Fusion	750	3.5	105/110	103/104	112/112	-	-	129/124	126	SM	Pass	
31-Aug-10	7:16	70	MK	#44	T/T Fusion	750	3.0	121/106	121/122	121/121	-	-	136/128	125	SM	Pass	
31-Aug-10	13:30	93	MK	#50	T/T Fusion	750	3.0	99/95	103/93	89/94	-	-	102/103	97	SM	Pass	
31-Aug-10	13:35	93	SS	#51	Extrusion	450	325	88	72	80	-	-	100/100	100	SM	Pass	
31-Aug-10	13:46	93	PB	#34	Extrusion	450	300	87	84	85	-	-	98/96	95	SM	Pass	
31-Aug-10	14:17	93	MK	#50	S/T Fusion	750	3.0	91/88	93/87	89/83	-	-	100/98	90	SM	Pass	
1-Sep-10	7:20	72	SS	#51	Extrusion	500	350	113	119	111	-	-	127/125	128	SM	Pass	
1-Sep-10	7:34	72	PB	#34	Extrusion	450	350	115	120	117	-	-	130/129	130	SM	Pass	
13-Sep-10	11:35	80	SS	#54	Extrusion	500	350	94	112	138	-	-	112/117/112	-	SM	Pass	
20-Sep-10	8:20	65	SS	#51	Extrusion	500	350	116	115	117	-	-	111/134/121	-	SM	Pass	
20-Sep-10	14:00	86	JG	#44	Fusion	750	4.0	84/96	94/88	98/98	-	-	101/102/105	-	SM	Pass	
20-Sep-10	14:00	86	MK	#8	Fusion	750	4.0	93/93	89/89	81/86	-	-	85/89	-	SM	Fail	
20-Sep-10	14:00	86	MK	#8	Fusion	750	4.0	79/79	85/83	73/74	-	-	91/84/91	-	SM	Fail	#8 Retest
20-Sep-10	14:05	86	MK	#8	Fusion	750	4.0	85/84	83/81	79/74	-	-	82	-	SM	Fail	#8 Retest
20-Sep-10	14:10	86	MK	#8	Fusion	750	5.0	88/90	87/91	91/100	-	-	94/93/97	-	SM	Pass	#8 Retest - increased speed
20-Sep-10	15:10	88	MK	#8	T/T Fusion	750	5.0	94/92	96/97	94/89	-	-	100/97/103	-	SM	Pass	
21-Sep-10	7:40	75	JG	#44	S/S Fusion	750	4.0	109/106	101/100	110/107	-	-	123/118	120	SM	Pass	
21-Sep-10	7:45	75	MK	#8	T/T Fusion	750	4.5	118/122	111/114	-	-	-	-	SM	Fail		
21-Sep-10	7:50	75	MK	#8	S/S Fusion	750	4.5	113/116	115/119	115/119	-	-	131/129	137	SM	Pass	
21-Sep-10	7:55	75	SS	#50	T/T Fusion	750	4.5	114/104	116/117	100/110	-	-	120/135	125	SM	Pass	
21-Sep-10	8:05	75	MK	#8	T/T Fusion	750	4.0	108/118	120/111	118/122	-	-	138/140	135	SM	Pass	#8 Retest - reduced speed
21-Sep-10	13:50	75	JG	#44	Fusion	750	4.0	98/100	87/90	88/89	-	-	105/115	108	SM	Pass	
21-Sep-10	14:00	80	PB	#34	Extrusion	350	450	100	94	98	-	-	101/99	105	SM	Pass	
21-Sep-10	14:00	92	JG	#51	Extrusion	300	500	101	105	97	-	-	103/98	102	SM	Pass	
22-Sep-10	7:55	92	JG	#51	Extrusion	300	500	108	98	93	-	-	110/109	112	SM	Pass	
22-Sep-10	7:58	92	PB	#34	Extrusion	400	500	113	112	112	-	-	123/127	135	SM	Pass	
22-Sep-10	9:24	65	SS	#54	Extrusion	350	500	95	113	108	-	-	106/118	113	SM	Pass	
22-Sep-10	13:10	92	JG	#51	Extrusion	300	500	93	98	94	-	-	99/108	104	SM	Pass	
22-Sep-10	13:20	92	SS	#54	Extrusion	350	500	93	88	93	-	-	93/93	98	SM	Pass	
22-Sep-10	13:55	92	PB	#34	Extrusion	350	450	96	95	96	-	-	97/100	101	SM	Pass	
4-Nov-10	9:40	45	FN	D-3	S/S Fusion	750	4.0	114/125	123/130	123/135	-	-	143/150	149	SM	Pass	
4-Nov-10	9:45	45	FN	D-3	T/T Fusion	750	4.0	120/123	128/128	122/147	-	-	142/148	147	SM	Pass	
4-Nov-10	9:45	45	JS	D-1	S/S Fusion	750	4.5	106/107	111/116	123/125	-	-	124/126	125	SM	Pass	
4-Nov-10	9:50	45	JS	D-1	S/T Fusion	750	4.5	105/114	120/121	112/136	-	-	143/148	148	SM	Pass	
4-Nov-10	13:40	50	FN	D-3	S/S Fusion	750	4.0	116/118	115/131	114/115	-	-	126/137	136	SM	Pass	
4-Nov-10	13:45	50	FN	D-3	S/T Fusion	750	4.0	114/122	116/134	113/122	-	-	127/138	136	SM	Pass	
4-Nov-10	13:36	50	JS	D-1	S/S Fusion	750	4.5	104/103	108/123	105/110	-	-	127/132	130	SM	Pass	
4-Nov-10	13:30	50	JS	D-1	T/T Fusion	750	4.5	118/124	111/120	108/125	-	-	119/124	120	SM	Pass	
5-Nov-10	8:45	37	JS	D-1	S/S Fusion	750	4.5	123/127	125/130	115/128	-	-	138/142	141	SM	Pass	

TABLE 3.3.3

**SUMMARY OF LLDPE LINER TEST SEAMS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Time	Ambient Temperature (°F)	Seamer ID	Machine ID	Fusion/Extrusion			Peel Test ^(1,2) (ppi)					Shear Test ⁽¹⁾ (ppi)		QA ID	Pass/Fail	Comments
					Weld Type	Temperature (°F)	Speed	Coupon 1 A/B	Coupon 2 A/B	Coupon 3 A/B	Coupon 4 A/B	Coupon 5 A/B	Coupon \boxtimes 1/2/3	Coupon \boxtimes 4/5			
5-Nov-10	8:50	37	JS	D-1	S/T Fusion	750	4.0	123/124	111/128	128/130	-	-	138/146	143	SM	Pass	
5-Nov-10	8:45	37	FN	D-3	S/S Fusion	750	4.0	128/130	127/132	126/133	-	-	155/166	158	SM	Pass	
5-Nov-10	8:52	37	FN	D-3	T/T Fusion	750	4.0	111/123	115/130	122/136	-	-	140/146	144	SM	Pass	
5-Nov-10	13:10	41	JS	D-1	S/S Fusion	750	4.5	126/130	123/128	120/122	-	-	133/140	138	SM	Pass	
5-Nov-10	13:15	41	JS	D-1	S/T Fusion	750	4.0	127/134	126/131	124/129	-	-	137/141	138	SM	Pass	
5-Nov-10	13:20	41	FN	D-3	S/S Fusion	750	4.0	120/133	126/138	125/133	-	-	141/145	142	SM	Pass	
5-Nov-10	13:25	41	FN	D-3	T/T Fusion	750	4.0	112/121	100/112	110/115	-	-	135/140	139	SM	Pass	
6-Nov-10	9:13	25	JS	DX-2	Extrusion	450	485	85	90	102	-	-	128/132	134	SM	Pass	
6-Nov-10	9:10	25	CS	DX-8	Extrusion	250	350	93	101	100	-	-	128/135	132	SM	Pass	
6-Nov-10	13:45	45	JS	DX-2	Extrusion	450	485	95	111	105	-	-	99/117	112	SM	Pass	
6-Nov-10	13:15	45	CS	DX-8	Extrusion	250	350	99	106	108	-	-	109/115	110	SM	Pass	
11-Nov-10	13:43	70	RM	G85	Extrusion	600	350	102	110	102	-	-	121/120	114	SM	Pass	
22-Jun-11	8:35	75	PS	F-2858	S/S Fusion	430	9.5	113/109	109/120	113/116	-	-	135/135/138	-	SM	Pass	
22-Jun-11	8:45	75	EO	F-2797	S/S Fusion	430	10	110/107	119/108	107/111	-	-	132/135/133	-	SM	Pass	
22-Jun-11	8:45	75	PS	F-2858	S/T Fusion	430	9.5	107/109	116/102	110/109	-	-	130/127/134	-	SM	Pass	
22-Jun-11	8:50	75	EO	F-2797	T/T Fusion	430	9.0	116/108	108/113	118/112	-	-	127/129/130	-	SM	Pass	
22-Jun-11	12:00	80	MM	E-1278	Extrusion	200	240	103	104	106	-	-	105/112/116	-	SM	Pass	
22-Jun-11	13:10	80	EO	F-2889	S/S Fusion	430	10	100/102	99/100	103/97	-	-	111/111/112	-	SM	Pass	
22-Jun-11	13:10	80	PS	F-2858	S/T Fusion	430	9.5	106/109	100/100	97/104	-	-	115/120/115	-	SM	Pass	
22-Jun-11	13:15	80	EO	F-2889	S/T Fusion	430	9.0	96/98	114/98	92/96	-	-	113/121/113	-	SM	Pass	
22-Jun-11	13:15	80	PS	F-2858	S/S Fusion	430	9.5	108/98	105/96	103/98	-	-	114/112/115	-	SM	Pass	
22-Jun-11	13:20	80	EO	F-2889	T/T Fusion	430	8.0	96/98	104/94	99/99	-	-	112/115/111	-	SM	Pass	
23-Jun-11	8:05	70	PS	F-2858	Fusion	430	9.5	119/104	117/117	116/115	-	-	126/127/132	-	SM	Pass	
23-Jun-11	8:08	70	EO	F-2889	Fusion	430	10	101/103	108/110	97/115	-	-	122/125/126	-	SM	Pass	
23-Jun-11	8:10	70	MM	E-1278	Extrusion	240	200	91	87	82	-	-	128/144/130	-	SM	Pass	
23-Jun-11	8:15	70	EO	F-2889	Fusion	430	8.0	105/104	118/106	118/114	-	-	131/128/125	-	SM	Pass	
23-Jun-11	8:10	70	EO	F-2889	Fusion	430	8.0	110/112	103/97	120/111	-	-	128/122/129	-	SM	Pass	
23-Jun-11	8:00	70	PS	F-2858	Fusion	430	9.5	112/107	112/112	116/100	-	-	130/133/131	-	SM	Pass	
23-Jun-11	13:00	80	MM	E-1278	Extrusion	240	200	108	104	106	-	-	107/106/105	-	SM	Pass	
23-Jun-11	13:00	80	EO	F-2889	Fusion	430	10	114/102	111/101	101/102	-	-	116/117/108	-	SM	Pass	
23-Jun-11	13:05	80	EO	F-2889	Fusion	430	9.0	98/102	98/103	98/97	-	-	115/117/114	-	SM	Pass	
23-Jun-11	13:20	80	PS	F-2858	Fusion	430	9.5	121/132	121/119	131/132	-	-	140/137/137	-	SM	Pass	
23-Jun-11	13:25	80	PS	F-2858	Fusion	430	9.5	101/105	104/101	115/108	-	-	121/125/118	-	SM	Pass	
24-Jun-11	7:55	68	MM	E-1278	Extrusion	240	200	95	99	97	-	-	128/124/120	-	SM	Pass	
24-Jun-11	7:55	68	EO	F-2889	Fusion	430	10	114/112	110/110	108/116	-	-	132/134/132	-	SM	Pass	
24-Jun-11	7:55	68	PS	F-2858	Fusion	430	9.5	107/106	110/108	110/116	-	-	128/128/131	-	SM	Pass	
24-Jun-11	8:00	68	EO	F-2889	Fusion	430	8.5	114/104	111/109	115/118	-	-	120/121/129	-	SM	Pass	
24-Jun-11	8:00	68	PS	F-2858	Fusion	430	9.5	111/116	114/117	112/112	-	-	130/129/128	-	SM	Pass	
24-Jun-11	13:00	72	PS	F-2858	Fusion	430	9.5	113/111	107/109	102/112	-	-	127/125/127	-	SM	Pass	
24-Jun-11	13:00	72	EO	F-2889	Fusion	430	10	108/108	108/109	110/115	-	-	128/130/129	-	SM	Pass	
24-Jun-11	13:00	72	MM	E-1278	Extrusion	240	200	104	109	102	-	-	126/116/120	-	SM	Pass	
24-Jun-11	13:05	72	PS	F-2858	Fusion	430	9.5	112/113	115/115	112/102	-	-	126/131/128	-	SM	Pass	
24-Jun-11	13:05	72	EO	F-2889	Fusion	430	8.5	108/122	109/116	112/111	-	-	125/121/127	-	SM	Pass	

TABLE 3.3.3

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EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Time	Ambient Temperature (°F)	Seamer ID	Machine ID	Fusion/Extrusion			Peel Test ^(1,2) (ppi)					Shear Test ⁽¹⁾ (ppi)		QA ID	Pass/Fail	Comments
					Weld Type	Temperature (°F)	Speed	Coupon 1 A/B	Coupon 2 A/B	Coupon 3 A/B	Coupon 4 A/B	Coupon 5 A/B	Coupon \boxtimes 1/2/3	Coupon \boxtimes 4/5			
25-Jun-11	7:45	72	MM	E-1278	Extrusion	240	200	92	89	87	-	-	128/133/129	-	SM	Pass	
25-Jun-11	9:15	75	PS	F-2828	Fusion	430	9.5	118/105	106/102	104/101	-	-	125/123/126	-	SM	Pass	
25-Jun-11	9:15	75	EO	F-2889	Fusion	430	10	110/108	113/104	119/107	-	-	124/121/122	-	SM	Pass	
25-Jun-11	9:17	75	EO	F-2889	Fusion	430	8.5	103/109	115/108	108/109	-	-	126/123/128	-	SM	Pass	
25-Jun-11	9:17	75	PS	F-2858	Fusion	430	9.5	107/104	103/104	105/103	-	-	120/122/124	-	SM	Pass	
25-Jun-11	12:00	85	EO	F-2889	Fusion	430	10.5	102/106	105/102	109/111	-	-	111/112/111	-	SM	Pass	
25-Jun-11	12:05	85	EO	F-2889	Fusion	430	9.0	107/101	101/94	107/102	-	-	107/118/114	-	SM	Pass	
25-Jun-11	13:00	85	MM	E-1278	Extrusion	240	200	94	91	100	-	-	104/107/107	-	SM	Pass	
25-Jun-11	13:00	85	PS	F-2858	Fusion	430	9.5	106/107	106/105	108/97	-	-	113/114/111	-	SM	Pass	
25-Jun-11	13:05	85	PS	F-2858	Fusion	430	9.5	106/103	106/105	112/106	-	-	109/112/112	-	SM	Pass	
28-Jun-11	8:50	72	PS	F-2858	Fusion	430	8.0	112/102	104/106	102/108	-	-	112/121/119	-	SM	Pass	
28-Jun-11	9:00	72	MM	E-1278	Extrusion	240	200	109	111	98	-	-	128/120/119	-	SM	Pass	
28-Jun-11	11:15	75	EO	E-1287	Extrusion	255	250	95	91	100	-	-	103/102/105	-	SM	Pass	
28-Jun-11	13:40	80	PS	F-2858	Fusion	430	9.5	95/101	103/103	96/106	-	-	116/118/118	-	SM	Pass	
28-Jun-11	13:45	80	PS	F-2858	Fusion	430	9.5	99/104	93/106	82/92	-	-	114/112/109	-	SM	Pass	
28-Jun-11	14:00	80	MM	E-1278	Extrusion	240	200	109	108	102	-	-	106/115/111	-	SM	Pass	
28-Jun-11	16:05	82	EO	F-2889	Fusion	430	10	121/121	125/121	122/123	-	-	139/139/141	-	SM	Pass	
28-Jun-11	16:10	82	EO	F-2889	Fusion	430	9.0	143/130	129/126	123/122	-	-	137/134/138	-	SM	Pass	
29-Jun-11	8:55	79	PS	F-2858	Fusion	430	9.5	108/113	111/111	113/114	-	-	129/130/127	-	SM	Pass	
29-Jun-11	9:00	79	PS	F-2858	Fusion	430	9.5	109/112	108/114	109/114	-	-	119/117/123	-	SM	Pass	
29-Jun-11	9:00	79	MM	E-1287	Extrusion	245	200	96	103	91	-	-	122/122/124	-	SM	Pass	
29-Jun-11	10:40	82	EO	F-2889	Fusion	430	10	100/107	107/105	106/107	-	-	117/115/121	-	SM	Pass	
29-Jun-11	10:43	82	EO	F-2889	Fusion	430	9.0	107/101	92/104	107/102	-	-	106/113/111	-	SM	Pass	
29-Jun-11	12:05	85	PS	F-2858	Fusion	430	9.5	103/99	104/100	102/104	-	-	108/106/106	-	SM	Pass	
29-Jun-11	13:00	85	MM	E-1287	Extrusion	220	200	106	99	108	-	-	112/109/106	-	SM	Pass	
29-Jun-11	13:00	85	EO	F-2889	Fusion	430	10	98/98	106/102	96/104	-	-	109/108/107	-	SM	Pass	
29-Jun-11	13:05	85	EO	F-2889	Fusion	430	9.0	100/92	98/98	103/101	-	-	106/105/108	-	SM	Pass	
29-Jun-11	13:05	85	PS	F-2858	Fusion	430	9.5	102/102	106/100	106/96	-	-	107/112/106	-	SM	Pass	
30-Jun-11	8:00	70	MM	E-1278	Extrusion	240	200	105	102	108	-	-	128/124/119	-	SM	Pass	
6-Jul-11	8:05	70	MM	E-1278	Extrusion	240	200	108	109	104	-	-	127/125/127	-	SM	Pass	
7-Jul-11	8:00	70	MM	E-1278	Extrusion	250	210	80	85	91	-	-	116/113/116	-	SM	Pass	
7-Jul-11	13:10	93	MM	E-1278	Extrusion	250	235	91	92	87	-	-	95/94/93	-	SM	Pass	
8-Jul-11	11:00	79	MM	E-1278	Extrusion	250	230	92	99	96	-	-	110/118/114	-	SM	Pass	
11-Jul-11	7:55	81	PS	F-2858	Fusion	430	9.0	105/106	109/105	101/101	-	-	120/119/116	-	SM	Pass	
11-Jul-11	8:00	81	EO	F-2889	Fusion	430	10	109/109	110/98	103/102	-	-	118/114/114	-	SM	Pass	
11-Jul-11	8:05	81	EO	F-2889	Fusion	430	8.0	120/113	106/114	105/107	-	-	115/120/122	-	SM	Pass	
11-Jul-11	8:05	81	PS	F-2858	Fusion	430	9.5	103/104	105/109	106/102	-	-	116/114/115	-	SM	Pass	
11-Jul-11	13:15	97	PS	F-2858	Fusion	430	10	93/94	90/96	92/97	-	-	96/94/96	-	SM	Pass	
11-Jul-11	13:25	97	EO	F-2889	Fusion	430	10.5	90/90	92/95	90/94	-	-	92/95/95	-	SM	Pass	
11-Jul-11	13:28	97	EO	F-2889	Fusion	430	9.5	83/96	94/96	82/89	-	-	95/96/92	-	SM	Pass	
12-Jul-11	7:50	81	MM	E-1278	Extrusion	250	230	100	109	112	-	-	115/113/111	-	SM	Pass	
12-Jul-11	8:00	81	EO	E-1287	Extrusion	255	210	90	102	102	-	-	108/109/102	-	SM	Pass	
14-Jul-11	13:15	88	MM	E-1278	Extrusion	250	230	98	104	101	-	-	111/96/106	-	SM	Pass	

TABLE 3.3.3

**SUMMARY OF LLDPE LINER TEST SEAMS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Time	Ambient Temperature (°F)	Seamer ID	Machine ID	Fusion/Extrusion			Peel Test ^(1,2) (ppi)					Shear Test ⁽¹⁾ (ppi)		QA ID	Pass/Fail	Comments
					Weld Type	Temperature (°F)	Speed	Coupon 1 A/B	Coupon 2 A/B	Coupon 3 A/B	Coupon 4 A/B	Coupon 5 A/B	Coupon \boxtimes 1/2/3	Coupon \boxtimes 4/5			
14-Jul-11	13:25	88	PS	F-2889	Fusion	430	10	103/106	101/101	99/100	-	-	104/104/101	-	SM	Pass	
14-Jul-11	14:25	88	EO	E-1287	Extrusion	255	215	126	116	119	-	-	124/118/128	-	SM	Pass	
15-Jul-11	8:50	70	MM	E-1278	Extrusion	250	230	93	94	104	-	-	120/120/127	-	SM	Pass	
15-Jul-11	11:25	84	EO	E-1287	Extrusion	255	215	106	102	104	-	-	108/109/113	-	SM	Pass	
30-Aug-11	9:01	65	FA	W3	S/S Fusion	800	7.0	105/113	110/109	105/105	-	-	127/122/124	-	SM	Pass	
30-Aug-11	9:00	65	AA	W4	S/S Fusion	420	7.0	107/116	105/110	107/113	-	-	130/126/130	-	SM	Pass	
30-Aug-11	9:06	65	FA	W3	T/T Fusion	800	7.0	105/110	114/120	104/116	-	-	126/133/120	-	SM	Pass	
30-Aug-11	8:55	65	AA	W4	T/T Fusion	420	7.0	94/97	94/98	96/96	-	-	131/127/124	-	SM	Pass	
30-Aug-11	13:15	85	FA	W3	S/S Fusion	800	7.0	90/94	84/92	87/96	-	-	98/95/93	-	SM	Pass	
30-Aug-11	13:18	85	FA	W3	T/T Fusion	800	7.0	93/90	81/99	82/78	-	-	91/97/96	-	SM	Pass	
30-Aug-11	13:00	85	AA	W4	S/S Fusion	420	7.0	96/88	84/90	87/89	-	-	100/97/106	-	SM	Pass	
30-Aug-11	13:03	85	AA	W4	T/T Fusion	420	7.0	88/92	93/93	93/85	-	-	107/102/104	-	SM	Pass	
30-Aug-11	16:44	88	EB	G82	Extrusion	500	300	72	75	78	-	-	99/101/107	-	SM	Pass	
31-Aug-11	7:38	65	AA	W4	S/S Fusion	420	7.0	105/116	104/113	107/115	-	-	146/138/141	-	SM	Pass	
31-Aug-11	7:45	65	FA	W3	T/T Fusion	800	7.0	108/118	107/107	107/102	-	-	144/136/136	-	SM	Pass	
31-Aug-11	7:41	65	AA	W4	T/T Fusion	420	7.0	120/116	120/115	118/121	-	-	158/149/158	-	SM	Pass	
31-Aug-11	7:50	65	FA	3	T/T Fusion	800	7.0	114/121	115/113	114/123	-	-	152/146/139	-	SM	Pass	
31-Aug-11	13:24	90	FA	3	T/S Fusion	800	7.0	79/83	79/82	86/83	-	-	102/96/100	-	SM	Pass	
31-Aug-11	13:15	90	FA	3	T/T Fusion	800	7.0	85/88	81/81	78/82	-	-	98/96/97	-	SM	Pass	
31-Aug-11	13:30	90	EB	82	Extrusion	500	330	83	83	82	-	-	95/92/92	-	SM	Pass	
31-Aug-11	13:40	90	RP	12	Extrusion	225	125	90	86	84	-	-	98/99/101	-	SM	Pass	
1-Sep-11	7:35	75	AA	4	S/S Fusion	420	7.0	122/109	127/113	113/112	-	-	149/143/136	-	SM	Pass	
1-Sep-11	7:42	75	FA	3	S/S Fusion	800	7.0	108/118	102/109	103/111	-	-	142/136/134	-	SM	Pass	
1-Sep-11	7:48	75	FA	3	T/T Fusion	800	7.0	114/122	100/98	102/100	-	-	144/142/134	-	SM	Pass	
1-Sep-11	7:38	75	AA	4	T/T Fusion	420	7.0	119/124	112/96	111/102	-	-	144/136/131	-	SM	Pass	
1-Sep-11	13:38	95	RP	12	Extrusion	200	100	77	79	82	-	-	92/97/93	-	SM	Pass	
1-Sep-11	13:30	95	EB	82	Extrusion	500	330	88	81	75	-	-	101/96/97	-	SM	Pass	
2-Sep-11	8:10	75	AA	4	S/S Fusion	420	7.0	112/112	90/107	105/89	-	-	145/142/139	-	SM	Pass	
2-Sep-11	8:15	75	FA	3	S/S Fusion	800	7.0	100/104	99/98	106/106	-	-	130/135/133	-	SM	Pass	
2-Sep-11	8:07	75	AA	4	S/T Fusion	420	7.0	100/118	96/111	102/109	-	-	140/140/134	-	SM	Pass	
2-Sep-11	8:20	75	FA	3	T/T Fusion	800	7.0	103/107	105/103	107/112	-	-	135/130/139	-	SM	Pass	
2-Sep-11	9:33	80	FA	47	S/S Fusion	800	7.0	99/98	94/90	102/95	-	-	118/123/115	-	SM	Pass	
2-Sep-11	9:35	80	FA	47	T/T Fusion	800	7.0	97/96	89/93	91/93	-	-	107/115/113	-	SM	Pass	
2-Sep-11	9:50	80	RP	G12	Extrusion	200	100	85	83	88	-	-	113/99/108	-	SM	Pass	
2-Sep-11	10:00	80	EB	G82	Extrusion	500	330	87	93	92	-	-	100/110/115	-	SM	Pass	
2-Sep-11	14:10	95	RP	G12	Extrusion	220	120	92	101	98	-	-	103/94/100	-	SM	Pass	
6-Sep-11	13:30	75	AA	W4	S/S Fusion	420	7.0	102/108	101/101	98/109	-	-	130/127/132	-	SM	Pass	
6-Sep-11	13:39	75	FA	W47	S/S Fusion	800	7.0	116/108	108/112	103/111	-	-	127/130/124	-	SM	Pass	
6-Sep-11	13:35	75	AA	W4	T/T Fusion	420	7.0	121/113	113/111	107/111	-	-	151/151/143	-	SM	Pass	
6-Sep-11	13:43	75	FA	W47	T/T Fusion	800	7.0	126/122	122/114	125/126	-	-	153/151/146	-	SM	Pass	
7-Sep-11	7:30	60	AA	W4	T/T Fusion	420	7.0	106/111	117/108	103/120	-	-	112/134/128	-	SM	Pass	
7-Sep-11	7:50	60	RP	G12	Extrusion	275	175	113	120	110	-	-	131/121/125	-	SM	Pass	
7-Sep-11	13:15	65	RP	G12	Extrusion	250	135	119	116	114	-	-	142/136/135	-	SM	Pass	

TABLE 3.3.3

SUMMARY OF LLDPE LINER TEST SEAMS
 CONSTRUCTION CERTIFICATION REPORT
 EAST PLANT AREA COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

Date	Time	Ambient Temperature (°F)	Seamer ID	Machine ID	Fusion/Extrusion			Peel Test ^(1,2) (ppi)					Shear Test ⁽¹⁾ (ppi)		QA ID	Pass/Fail	Comments
					Weld Type	Temperature (°F)	Speed	Coupon 1 A/B	Coupon 2 A/B	Coupon 3 A/B	Coupon 4 A/B	Coupon 5 A/B	Coupon 1/2/3	Coupon 4/5			
14-Sep-11	8:51	60	FA	W47	S/S Fusion	800	7.0	116/117	117/113	114/117	-	-	135/134/126	-	SM	Pass	
14-Sep-11	8:55	60	AA	W4	S/S Fusion	420	7.0	123/109	117/121	102/121	-	-	137/133/135	-	SM	Pass	
14-Sep-11	8:40	60	FA	W47	T/T Fusion	800	7.0	108/101	95/102	102/99	-	-	116/118/126	-	SM	Pass	
14-Sep-11	9:01	60	AA	W4	T/T Fusion	420	7.0	117/107	116/101	114/106	-	-	140/117/117	-	SM	Pass	
14-Sep-11	13:20	65	FA	W47	T/T Fusion	800	7.0	102/101	99/98	96/94	-	-	113/112/114	-	SM	Pass	
14-Sep-11	13:40	65	RP	G82	Extrusion	500	400	78	83	94	-	-	109/110/109	-	SM	Pass	
15-Sep-11	8:50	55	JC	G82	Extrusion	500	450	103	110	107	-	-	137/130/124	-	SM	Pass	
15-Sep-11	8:50	55	RP	G12	Extrusion	280	200	131	129	134	-	-	124/125/119	-	SM	Pass	
22-Sep-11	9:45	55	FA	W41	S/S Fusion	800	7.0	112/118	101/111	109/105	-	-	152/138/155	-	SM	Pass	
22-Sep-11	9:40	55	AA	W4	S/S Fusion	420	7.0	116/118	107/124	120/110	-	-	160/144/157	-	SM	Pass	
22-Sep-11	9:40	55	FA	W41	T/T Fusion	800	7.0	116/121	112/112	110/115	-	-	159/158/130	-	SM	Pass	
22-Sep-11	9:43	55	AA	W4	T/T Fusion	420	7.0	137/115	120/100	126/120	-	-	145/138/156	-	SM	Pass	
22-Sep-11	14:10	60	FA	W41	S/S Fusion	800	7.0	113/120	124/122	114/136	-	-	157/150/154	-	SM	Pass	
22-Sep-11	14:37	60	AA	W4	S/S Fusion	420	7.0	125/116	119/111	110/116	-	-	145/134/132	-	SM	Pass	
22-Sep-11	14:11	60	FA	W41	T/T Fusion	800	7.0	107/105	113/101	109/119	-	-	146/143/141	-	SM	Pass	
22-Sep-11	14:40	60	AA	W4	T/T Fusion	420	7.0	107/102	107/97	103/92	-	-	123/117/118	-	SM	Pass	
22-Sep-11	14:40	60	RP	G12	Extrusion	250	150	131	122	109	-	-	142/143/134	-	SM	Pass	
22-Sep-11	14:50	60	FA	W41	T/T Fusion	800	7.0	118/110	116/107	109/112	-	-	130/127/141	-	SM	Pass	
23-Sep-11	7:45	55	AA	W4	T/T Fusion	420	7.0	122/129	119/112	118/121	-	-	154/137/146	-	SM	Pass	
23-Sep-11	11:05	55	RP	G12	Extrusion	275	175	112	118	119	-	-	137/148/129	-	SM	Pass	
23-Sep-11	13:30	60	AA	W4	T/T Fusion	420	7.0	105/98	98/110	97/104	-	-	120/118/110	-	SM	Pass	
23-Sep-11	13:35	60	RP	G15	Extrusion	500	400	105	110	104	-	-	124/115/115	-	SM	Pass	
27-Sep-11	8:00	55	RP	G12	Extrusion	280	225	93	93	104	-	-	113/128/125	-	SM	Pass	
27-Sep-11	8:10	55	RM	G4	Extrusion	260	200	85	109	91	-	-	115/130/165	-	SM	Pass	
28-Sep-11	8:01	65	RM	G4	Extrusion	260	200	91	81	101	-	-	148/133/141	-	SM	Pass	
28-Sep-11	8:000	65	RP	G12	Extrusion	280	225	123	126	114	-	-	138/134/139	-	SM	Pass	
28-Sep-11	11:20	65	RM	G4	Extrusion	260	200	97	102	105	-	-	128/132/126	-	SM	Pass	
30-Sep-11	14:30	75	RP	G12	Extrusion	275	225	104	120	106	-	-	133/124/126	-	SM	Pass	
30-Sep-11	13:50	75	SA	W41	T/T Fusion	800	6.5	105/111	112/114	103/106	-	-	120/122/113	-	SM	Pass	
30-Sep-11	13:55	75	SA	W41	T/S Fusion	800	6.5	120/112	118/112	117/108	-	-	150/147/151	-	SM	Pass	
10-Oct-11	9:16	70	FA	W41	S/S Fusion	800	7.0	109/116	102/105	112/117	-	-	136/134/131	-	SM	Pass	
10-Oct-11	9:20	70	AA	W4	S/S Fusion	420	7.0	95/98	101/99	103/107	-	-	129/129/124	-	SM	Pass	
10-Oct-11	9:25	70	FA	W41	T/T Fusion	800	7.0	113/124	106/109	166/115	-	-	132/119/120	-	SM	Pass	
10-Oct-11	9:25	70	AA	W4	T/T Fusion	420	7.0	110/98	102/103	108/104	-	-	121/125/120	-	SM	Pass	
10-Oct-11	13:00	75	AA	W4	S/S Fusion	420	7.0	87/92	89/89	88/92	-	-	108/104/98	-	SM	Pass	
10-Oct-11	13:20	75	FA	W41	S/S Fusion	800	7.0	82/89	79/82	77/84	-	-	98/98/94	-	SM	Pass	
10-Oct-11	13:03	75	AA	W4	T/T Fusion	420	7.0	83/86	80/82	77/85	-	-	99/92/99	-	SM	Pass	
10-Oct-11	13:14	75	FA	W41	T/T Fusion	800	7.0	83/80	77/79	81/86	-	-	100/95/93	-	SM	Pass	
10-Oct-11	13:16	75	FA	W41	T/S Fusion	800	7.0	86/81	82/78	79/82	-	-	94/92/99	-	SM	Pass	
11-Oct-11	8:30	70	RP	G12	Extrusion	280	250	120	116	127	-	-	133/139/128	-	SM	Pass	
11-Oct-11	8:30	70	RM	G4	Extrusion	260	200	118	99	109	-	-	136/131/129	-	SM	Pass	
11-Oct-11	13:04	80	RM	G4	Extrusion	260	200	97	101	96	-	-	113/120/118	-	SM	Pass	
11-Oct-11	13:15	80	RM	G12	Extrusion	250	175	103	98	94	-	-	100/100/101	-	SM	Pass	

TABLE 3.3.3

SUMMARY OF LLDPE LINER TEST SEAMS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Date	Time	Ambient Temperature (°F)	Seamer ID	Machine ID	Fusion/Extrusion			Peel Test ^(1,2) (ppi)					Shear Test ⁽¹⁾ (ppi)		QA ID	Pass/Fail	Comments
					Weld Type	Temperature (°F)	Speed	Coupon 1 A/B	Coupon 2 A/B	Coupon 3 A/B	Coupon 4 A/B	Coupon 5 A/B	Coupon 1/2/3	Coupon 4/5			
11-Oct-11	13:30	80	SA	G15	Extrusion	250	180	96	95	91	-	-	108/101/102	-	SM	Pass	
12-Oct-11	16:00	75	OA	G15	Extrusion	450	400	93	92	89	-	-	115/105/106	-	SM	Pass	
12-Oct-11	16:06	75	EB	G12	Extrusion	500	400	72	76	73	-	-	95/99/100	-	SM	Pass	
14-Oct-11	13:30	70	OA	G15	Extrusion	450	400	103	104	96	-	-	103/105/116	-	SM	Pass	
7-Dec-11	10:33	-	SK	DT1	S/S Fusion	800	4.0	137/127	121/134	142/141	-	-	147/151/151	-	SM	Pass	
7-Dec-11	10:38	-	IS	DT2	S/S Fusion	800	4.0	124/134	142/140	140/134	-	-	147/147/147	-	SM	Pass	
7-Dec-11	11:09	-	SK	DT1	S/T Fusion	800	3.6	126/125	101/118	121/128	-	-	127/132/134	-	SM	Pass	
7-Dec-11	11:11	-	SK	DT1	T/T Fusion	800	3.3	94/113	120/120	103/119	-	-	144/135/136	-	SM	Pass	
7-Dec-11	1:15	-	SK	DT1	S/T Fusion	800	3.0	133/126	118/113	134/126	-	-	149/139/144	-	SM	Pass	
7-Dec-11	1:11	-	SK	DT1	S/S Fusion	800	4.0	137/136	120/131	147/140	-	-	147/130/144	-	SM	Pass	
7-Dec-11	1:12	-	JS	DT2	S/S Fusion	800	4.0	142/145	137/132	143/141	-	-	139/158/148	-	SM	Pass	
7-Dec-11	1:19	-	IS	DT2	T/T Fusion	800	3.0	124/127	132/124	141/136	-	-	142/146/135	-	SM	Pass	
7-Dec-11	2:38	-	IS	DT2	S/T Fusion	800	3.0	116/137	119/134	114/141	-	-	148/149/149	-	SM	Pass	
7-Dec-11	4:00	-	MK	G24	Extrusion	530	530	121	94	114	-	-	173/153/154	-	SM	Pass	
8-Dec-11	8:00	-	MK	G24	Extrusion	530	530	108	95	107	-	-	140/150/93	-	SM	Pass	
8-Dec-11	8:27	-	SK	DT2	T/T Fusion	800	3.0	125/123	110/113	125/123	-	-	153/142/153	-	SM	Pass	
8-Dec-11	8:34	-	SK	DT1	S/S Fusion	800	4.0	112/135	123/124	130/149	-	-	135/163/155	-	SM	Pass	
8-Dec-11	8:29	-	SK	DT1	S/T Fusion	800	3.5	140/140	159/140	139/142	-	-	160/142/162	-	SM	Pass	
8-Dec-11	8:37	-	IS	DT2	S/S Fusion	800	4.0	135/139	143/145	146/134	-	-	168/161/155	-	SM	Pass	
8-Dec-11	8:34	-	IS	DT2	T/T Fusion	800	3.0	135/118	124/133	143/137	-	-	163/155/143	-	SM	Pass	
8-Dec-11	1:07	-	SK	DT1	S/S Fusion	800	4.0	128/121	124/129	125/129	-	-	139/131/141	-	SM	Pass	
8-Dec-11	1:17	-	SK	DT1	T/T Fusion	800	3.0	120/118	117/128	124/144	-	-	130/141/143	-	SM	Pass	
8-Dec-11	1:14	-	IS	DT2	S/S Fusion	800	4.0	116/131	118/127	121/131	-	-	144/146/142	-	SM	Pass	
8-Dec-11	1:17	-	IS	DT2	T/T Fusion	800	3.0	131/132	130/122	126/120	-	-	139/146/148	-	SM	Pass	
8-Dec-11	1:30	-	MK	G24	Extrusion	530	530	112	98	98	-	-	138/146/126	-	SM	Pass	
9-Dec-11	8:10	-	SK	DT1	S/S Fusion	800	4.0	137/135	135/128	125/128	-	-	142/144/124	-	SM	Pass	
9-Dec-11	8:08	-	SK	DT1	T/T Fusion	800	3.0	105/115	152/132	138/162	-	-	162/170/158	-	SM	Pass	
9-Dec-11	8:25	-	IS	DT2	S/S Fusion	800	4.0	130/126	124/125	131/139	-	-	150/144/144	-	SM	Pass	
9-Dec-11	8:20	-	IS	DT2	T/T Fusion	800	3.0	134/116	125/139	139/142	-	-	150/155/144	-	SM	Pass	
9-Dec-11	8:00	-	MK	G24	Extrusion	530	530	86	77	96	-	-	165/132/154	-	SM	Pass	
9-Dec-11	1:20	-	MK	G24	Extrusion	530	530	86	100	94	-	-	161/152/155	-	SM	Pass	
9-Dec-11	1:17	-	SK	DT1	S/S Fusion	800	4.0	141/149	139/136	143/122	-	-	153/149/157	-	SM	Pass	
9-Dec-11	1:20	-	SK	DT1	T/T Fusion	800	3.0	121/120	141/132	137/127	-	-	148/138/142	-	SM	Pass	
9-Dec-11	1:20	-	IS	DT2	S/S Fusion	800	4.0	118/124	143/144	141/135	-	-	155/141/151	-	SM	Pass	
9-Dec-11	1:19	-	IS	DT2	T/T Fusion	800	3.0	130/111	136/142	123/135	-	-	162/154/148	-	SM	Pass	
9-Dec-11	1:25	-	IS	DT2	S/T Fusion	800	3.0	130/136	130/123	149/146	-	-	150/150/151	-	SM	Pass	
10-Dec-11	8:10	-	DX	DT25	T/T Fusion	800	1.0	133/125	138/134	141/141	-	-	172/164/155	-	SM	Pass	
10-Dec-11	8:15	-	DX	DT25	S/S Fusion	800	1.5	133/126	131/141	135/131	-	-	160/162/158	-	SM	Pass	
10-Dec-11	8:17	-	SK	DT1	S/S Fusion	800	4.0	130/153	144/140	147/157	-	-	179/173/173	-	SM	Pass	
10-Dec-11	8:22	-	SK	DT1	T/T Fusion	800	3.0	140/123	120/138	129/131	-	-	154/148/158	-	SM	Pass	
10-Dec-11	8:25	-	IS	DT2	S/S Fusion	800	4.0	150/144	141/142	138/126	-	-	171/171/178	-	SM	Pass	
10-Dec-11	8:27	-	IS	DT2	T/T Fusion	800	3.0	119/135	151/142	148/116	-	-	154/165/148	-	SM	Pass	
10-Dec-11	8:00	-	MK	G24	Extrusion	530	530	121	126	137	-	-	150/153/151	-	SM	Pass	

TABLE 3.3.3

SUMMARY OF LLDPE LINER TEST SEAMS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Date	Time	Ambient Temperature (°F)	Seamer ID	Machine ID	Fusion/Extrusion			Peel Test ^(1,2) (ppi)					Shear Test ⁽¹⁾ (ppi)		QA ID	Pass/Fail	Comments
					Weld Type	Temperature (°F)	Speed	Coupon 1 A/B	Coupon 2 A/B	Coupon 3 A/B	Coupon 4 A/B	Coupon 5 A/B	Coupon ² 1/2/3	Coupon ² 4/5			
10-Dec-11	1:30	-	MK	G24	Extrusion	530	530	112	123	130	-	-	144/145/155	-	SM	Pass	
10-Dec-11	1:30	-	DX	DT25	S/S Fusion	800	1.5	140/138	126/135	144/142	-	-	151/151/145	-	SM	Pass	
10-Dec-11	1:33	-	IS	DT2	T/T Fusion	800	3.0	109/125	129/132	131/127	-	-	154/145/154	-	SM	Pass	
10-Dec-11	1:29	-	SK	DX1	T/T Fusion	800	3.0	117/125	127/139	131/132	-	-	162/145/156	-	SM	Pass	
10-Dec-11	1:23	-	SK	DT1	S/S Fusion	800	4.0	141/141	146/148	146/141	-	-	162/168/166	-	SM	Pass	
10-Dec-11	1:26	-	SK	DT1	S/T Fusion	800	3.5	134/149	144/127	134/126	-	-	157/159/161	-	SM	Pass	
10-Dec-11	1:30	-	IS	DT2	S/S Fusion	800	4.0	128/125	124/129	136/129	-	-	152/158/151	-	SM	Pass	
12-Dec-11	8:00	-	MK	G24	Extrusion	530	530	93	87	96	-	-	140/160/160	-	SM	Pass	
12-Dec-11	8:37	-	IS	DT2	T/T Fusion	800	3.0	126/132	117/126	139/129	-	-	161/161/151	-	SM	Pass	
12-Dec-11	9:30	-	VK	G73	Extrusion	530	530	102	113	82	-	-	134/135/134	-	SM	Pass	
12-Dec-11	1:13	-	IS	DT2	T/T Fusion	800	3.0	106/107	107/109	117/118	-	-	135/145/121	-	SM	Pass	
12-Dec-11	1:30	-	MK	G24	Extrusion	530	530	100	111	110	-	-	126/120/127	-	SM	Pass	
12-Dec-11	1:15	-	VK	G73	Extrusion	530	530	103	98	109	-	-	126/137/128	-	SM	Pass	
14-Dec-11	1:10	-	VK	G73	Extrusion	530	530	109	108	116	-	-	129/131/125	-	SM	Pass	
14-Dec-11	1:30	-	MK	G24	Extrusion	530	530	115	109	102	-	-	118/126/128	-	SM	Pass	

Notes:

" - " Data not available

T/T Weld was made between the textured side of both panels.

S/S Weld was made between the smooth side of both panels.

S/T or T/S Weld was made between the textured side of one panel and the smooth side of the second panel.

⁽¹⁾ Acceptance of test seams requires shear test results of 90 ppi (1,500 psi) and peel test results of 75 ppi (1,250 psi) for fusion welds and 66 (1,100 psi) for extrusion welds.

⁽²⁾ Extrusion welds result in a single, continuous seam for peel tests to be performed on (therefore, only one sided peel test required).

⁽³⁾ This test seam was incorrectly passed in the field. This test should have been rejected due to unacceptable shear test results. This test seam was followed by another test seam completed by the same machine, which achieved acceptable shear test results.

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP89/EP91	10-Sep-08	North EAOI-10	BOS	EOS	30	30	16:06	16:11	Pass	SW	EC		
EP90/EP91	10-Sep-08	North EAOI-10	BOS	EOS	30	30	16:06	16:11	Pass	SW	EC		
EP89/EP92	10-Sep-08	North EAOI-10	BOS	EOS	30	30	16:15	16:20	Pass	SW	EC		
EP91/EP92	10-Sep-08	North EAOI-10	BOS	EOS	30	30	15:51	15:56	Pass	SW	EC		
EP23/EP89	10-Sep-08	North EAOI-10	BOS	EOS	30	29	16:22	16:27	Pass	SW	EC		
EP91/EP93	10-Sep-08	North EAOI-10	BOS	EOS	30	30	17:05	17:10	Pass	SW	EC		
EP92/EP93	10-Sep-08	North EAOI-10	BOS	EOS	30	30	17:05	17:10	Pass	SW	EC		
EP93/EP94	10-Sep-08	North EAOI-10	BOS	EOS	30	30	17:30	17:35	Pass	SW	EC		
EP94/EP95	10-Sep-08	North EAOI-10	BOS	EOS	30	30	17:58	18:03	Pass	SW	EC		
EP94/EP96	10-Sep-08	North EAOI-10	BOS	EOS	30	30	17:58	18:03	Pass	SW	EC		
EP91/EP93	10-Sep-08	North EAOI-10	BOS	EOS	30	30	17:20	17:25	Pass	SW	EC		
EP95/EP96	10-Sep-08	North EAOI-10	BOS	EOS	30	30	17:36	17:41	Pass	SW	EC		
EP95/EP98	11-Sep-08	North EAOI-10	BOS	EOS	30	30	11:22	11:27	Pass	SW	EC		
EP96/EP98	11-Sep-08	North EAOI-10	BOS	EOS	30	30	11:22	11:27	Pass	SW	EC		
EP96/EP97	11-Sep-08	North EAOI-10	BOS	EOS	30	30	11:22	11:27	Pass	SW	EC		
EP97/EP98	11-Sep-08	North EAOI-10	BOS	EOS	30	30	10:31	10:36	Pass	SW	EC		
EP97/EP99	11-Sep-08	North EAOI-10	BOS	EOS	30	30	11:17	11:22	Pass	SW	EC		
EP98/EP99	11-Sep-08	North EAOI-10	BOS	EOS	30	30	11:23	11:28	Pass	SW	EC		
EP100/EP101	19-Sep-08	West AOI-5	BOS	EOS	30	30	14:20	14:25	Pass	SW	EC		
EP101/EP102	19-Sep-08	West AOI-5	BOS	EOS	30	30	14:25	14:30	Pass	SW	EC		
EP100/EP102	19-Sep-08	East AOI-5	BOS	EOS	30	30	14:36	14:41	Pass	SW	EC		
EP103/EP104	19-Sep-08	East AOI-5	BOS	EOS	30	30	15:00	15:05	Pass	SW	EC		
EP102/EP103	19-Sep-08	East AOI-5	BOS	EOS	30	30	15:28	15:33	Pass	SW	EC		
EP101/EP103	19-Sep-08	West AOI-5	BOS	EOS	30	30	14:45	14:50	Pass	SW	EC		
EP104/EP105	19-Sep-08	East AOI-5	BOS	EOS	30	30	15:42	15:47	Pass	SW	EC		
EP105/EP106	19-Sep-08	West AOI-5	BOS	EOS	30	30	16:05	16:09	Pass	SW	EC		
EP106/EP107	19-Sep-08	West AOI-5	BOS	EOS	30	30	16:10	16:15	Pass	SW	EC		
EP107/EP108	19-Sep-08	West AOI-5	BOS	EOS	30	30	16:17	16:22	Pass	SW	EC		
EP108/EP109	19-Sep-08	West AOI-5	BOS	EOS	30	30	16:25	16:30	Pass	SW	EC		
EP109/EP110	19-Sep-08	West AOI-5	BOS	EOS	30	30	16:32	16:37	Pass	SW	EC		
EP110/EP111	19-Sep-08	West AOI-5	BOS	EOS	30	30	16:40	16:45	Pass	SW	EC		
EP111/EP112	19-Sep-08	West AOI-5	BOS	EOS	30	30	16:46	16:51	Pass	SW	EC		
EP112/EP113	19-Sep-08	West AOI-5	BOS	EOS	30	30	16:51	16:56	Pass	SW	EC		
EP103/EP105	19-Sep-08	West AOI-5	BOS	EOS	30	30	15:50	15:55	Pass	SW	EC		
EP114/EP115	20-Sep-08	West AOI-5	BOS	0+24	30	30	09:48	09:53	Pass	SW	EC	R 260 @ 0+24	
EP114/EP115	20-Sep-08	West AOI-5	0+24	EOS	30	30	09:42	09:47	Pass	SW	EC		
EP115/EP116	20-Sep-08	West AOI-5	BOS	EOS	30	30	09:54	09:59	Pass	SW	EC		
EP116/EP117	20-Sep-08	West AOI-5	BOS	EOS	30	30	09:59	10:04	Pass	SW	EC		
EP117/EP118	20-Sep-08	West AOI-5	BOS	EOS	30	30	10:05	10:10	Pass	SW	EC		
EP118/EP119	20-Sep-08	West AOI-5	BOS	EOS	30	30	10:10	10:15	Pass	SW	EC		
EP119/EP120	20-Sep-08	West AOI-5	BOS	0+23	30	29	10:35	10:40	Pass	SW	EC	R 261 @ 0+23	
EP119/EP120	20-Sep-08	West AOI-5	0+23	EOS	30	30	10:20	10:25	Pass	SW	EC		
EP120/EP121	20-Sep-08	West AOI-5	BOS	0+03	-	-	-	-	Fail	SW	EC	R 262 @ 0+03	

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP120/EP121	20-Sep-08	West AOI-5	0+03	EOS	30	30	10:40	10:45	Pass	SW	EC		
EP121/EP122	20-Sep-08	West AOI-5	BOS	0+12	30	30	11:09	11:14	Pass	SW	EC	R 263 @ 0+12	
EP121/EP122	20-Sep-08	West AOI-5	0+12	EOS	30	30	11:03	11:08	Pass	SW	EC		
EP122/EP123	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:25	11:30	Pass	SW	EC		
EP123/EP124	20-Sep-08	West AOI-5	BOS	0+22	30	30	11:52	11:57	Pass	SW	EC	R 264 @ 0+22	
EP123/EP124	20-Sep-08	West AOI-5	0+22	EOS	30	30	11:46	11:51	Pass	SW	EC		
EP124/EP125	20-Sep-08	West AOI-5	BOS	EOS	30	29	11:02	11:07	Pass	SW	EC		
EP125/EP126	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:55	12:00	Pass	SW	EC		
EP126/EP127	20-Sep-08	West AOI-5	BOS	0+71	30	30	12:05	12:10	Pass	SW	EC	R 265 @ 0+71	
EP126/EP127	20-Sep-08	West AOI-5	0+71	EOS	30	30	13:45	13:50	Pass	SW	EC		
EP106/EP119	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP107/EP119	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP107/EP118	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP108/EP118	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP108/EP117	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP109/EP117	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP109/EP116	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP110/EP116	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP110/EP115	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP111/EP115	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP112/EP115	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP112/EP114	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP113/EP114	20-Sep-08	West AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP130/EP131	20-Sep-08	East AOI-5	BOS	EOS	30	30	14:55	15:00	Pass	SW	EC		
EP129/EP130	20-Sep-08	East AOI-5	BOS	EOS	30	30	14:35	14:40	Pass	SW	EC		
EP128/EP129	20-Sep-08	East AOI-5	BOS	EOS	30	30	14:20	14:25	Pass	SW	EC		
EP105/EP128	20-Sep-08	East AOI-5	BOS	EOS	30	30	14:26	14:31	Pass	SW	EC		
EP119/EP128	20-Sep-08	West AOI-5	-	-	-	-	-	-	Fail	SW	EC	R 267	
EP106/EP128	20-Sep-08	West AOI-5	BOS	EOS	30	30	15:35	15:40	Pass	SW	EC		
EP120/EP128	20-Sep-08	West AOI-5	BOS	EOS	30	30	15:25	15:30	Pass	SW	EC		
EP121/EP128	20-Sep-08	West AOI-5	BOS	EOS	30	30	15:25	15:30	Pass	SW	EC		
EP121/EP129	20-Sep-08	East AOI-5	BOS	EOS	30	30	15:25	15:30	Pass	SW	EC		
EP122/EP129	20-Sep-08	East AOI-5	BOS	EOS	30	30	15:25	15:30	Pass	SW	EC		
EP123/EP129	20-Sep-08	East AOI-5	BOS	EOS	30	30	15:30	15:35	Pass	SW	EC		
EP123/EP130	20-Sep-08	East AOI-5	BOS	EOS	30	30	15:30	15:35	Pass	SW	EC		
EP124/EP130	20-Sep-08	East AOI-5	BOS	EOS	30	30	15:30	15:35	Pass	SW	EC		
EP125/EP130	20-Sep-08	East AOI-5	BOS	EOS	30	30	15:30	15:35	Pass	SW	EC		
EP125/EP131	20-Sep-08	East AOI-5	BOS	EOS	30	30	15:30	15:35	Pass	SW	EC		
EP126/EP131	20-Sep-08	East AOI-5	BOS	EOS	30	30	15:30	15:35	Pass	SW	EC		
EPTIE IN #1	22-Sep-08	East EAOL-10	BOS	1+12	30	30	15:38	15:43	Pass	SW	EC	R 296 @ 1+21	
EPTIE IN #1	22-Sep-08	East EAOL-10	1+12	2+23	30	30	16:04	16:09	Pass	SW	EC	R 297 @ 2+23 to 2+27	
EPTIE IN #1	22-Sep-08	East EAOL-10	2+27	3+28	30	30	16:25	16:30	Pass	SW	EC	R 298 @ 3+28	
EPTIE IN #1	22-Sep-08	East EAOL-10	3+28	3+47	30	30	16:53	16:58	Pass	SW	EC	R 299 @ 3+47	

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP102/EP104	23-Sep-08	East AOI-5	BOS	EOS	30	30	15:28	15:33	Pass	SW	EC		
EP133/EP134	23-Sep-08	East AOI-5	BOS	EOS	30	29	09:50	09:55	Pass	SW	EC		
EP100/EP132	23-Sep-08	East AOI-5	BOS	EOS	30	30	10:13	10:18	Pass	SW	EC		
EP132/EP133	23-Sep-08	West AOI-5	BOS	EOS	30	30	10:20	10:25	Pass	SW	EC		
EP132/EP134	23-Sep-08	East AOI-5	BOS	EOS	30	30	10:20	10:25	Pass	SW	EC		
EP135/EP136	23-Sep-08	East AOI-5	BOS	EOS	30	30	10:40	10:45	Pass	SW	EC		
EP134/EP135	23-Sep-08	West AOI-5	BOS	EOS	30	30	11:03	11:08	Pass	SW	EC		
EP134/EP136	23-Sep-08	East AOI-5	BOS	EOS	30	30	11:03	11:08	Pass	SW	EC		
EP135/EP137	23-Sep-08	West AOI-5	BOS	EOS	30	30	13:06	13:11	Pass	SW	EC		
EP136/EP137	23-Sep-08	East AOI-5	BOS	EOS	30	30	13:06	13:11	Pass	SW	EC		
EP137/EP138	23-Sep-08	West AOI-5	BOS	EOS	30	30	13:13	13:18	Pass	SW	EC		
EP139/EP140	23-Sep-08	West AOI-5	BOS	EOS	30	30	14:01	14:06	Pass	SW	EC		
EP138/EP139	23-Sep-08	West AOI-5	BOS	EOS	30	30	14:34	14:39	Pass	SW	EC		
EP138/EP140	23-Sep-08	East AOI-5	BOS	EOS	30	30	14:34	14:39	Pass	SW	EC		
EP139/EP141	23-Sep-08	West AOI-5	BOS	EOS	30	30	14:14	14:19	Pass	SW	EC		
EP140/EP141	23-Sep-08	East AOI-5	BOS	EOS	30	30	14:30	14:35	Pass	SW	EC		
EP143/EP144	26-Sep-08	West AOI-5	BOS	EOS	30	30	10:52	10:57	Pass	SW	EC		
EP140/EP147	26-Sep-08	East AOI-5	BOS	EOS	30	30	12:20	12:25	Pass	SW	EC		
EP141/EP142	26-Sep-08	East AOI-5	BOS	EOS	30	30	11:09	11:14	Pass	SW	EC		
EP142/EP143	26-Sep-08	East AOI-5	BOS	EOS	30	30	11:30	11:35	Pass	SW	EC		
EP142/EP144	26-Sep-08	East AOI-5	BOS	EOS	30	30	11:30	11:35	Pass	SW	EC		
EP143/EP145	26-Sep-08	East AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP144/EP145	26-Sep-08	East AOI-5	BOS	EOS	30	30	11:38	11:43	Pass	SW	EC		
EP145/EP146	26-Sep-08	East AOI-5	BOS	EOS	30	30	12:33	12:38	Pass	SW	EC		
EP146/EP148	26-Sep-08	East AOI-5	BOS	EOS	30	30	12:33	12:38	Pass	SW	EC		
EP145/EP148	26-Sep-08	East AOI-5	BOS	EOS	30	30	11:56	12:01	Pass	SW	EC		
EP144/EP148	26-Sep-08	East AOI-5	BOS	EOS	30	30	12:40	12:45	Pass	SW	EC		
EP142/EP147	26-Sep-08	East AOI-5	BOS	EOS	30	30	12:26	12:30	Pass	SW	EC		
EP141/EP147	26-Sep-08	East AOI-5	BOS	EOS	30	30	12:10	12:15	Pass	SW	EC		
EPTIE IN #3	27-Sep-08	East EAOL-10	BOS	1+13	30	30	9:16	9:21	Pass	SW	EC	R 342 @ 1+13	
EPTIE IN #3	27-Sep-08	East EAOL-10	1+13	2+18	30	30	10:30	10:35	Pass	SW	EC	R 343 @ 2+18 to 2+32	
EPTIE IN #3	27-Sep-08	East EAOL-10	2+32	2+49	30	30	11:07	11:12	Pass	SW	EC	R 344 @ 2+49	
EPTIE IN #3	27-Sep-08	East EAOL-10	2+49	3+27	30	30	11:00	11:05	Pass	SW	EC	R 345 @ 3+27	
EPTIE IN #3	27-Sep-08	East EAOL-10	3+27	3+85	30	30	10:50	10:55	Pass	SW	EC	R 346 @ 3+85	
EPTIE IN #3	27-Sep-08	East EAOL-10	3+85	EOS	30	30	10:50	10:55	Pass	SW	EC	R 347 @ EOS	
EPTIE IN #4	27-Sep-08	East EAOL-10	BOS	1+13	30	30	10:00	10:05	Pass	SW	EC	R 342 @ 1+13	
EPTIE IN #4	27-Sep-08	East EAOL-10	1+13	2+18	30	30	10:20	10:25	Pass	SW	EC	R 343 @ 2+18 to 2+32	

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing									Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾					
			Start	End	Start	End	Start	End	Test					
EPTIE IN #4	27-Sep-08	East EAOI-10	2+32	2+49	30	30	11:25	11:30	Pass	SW	EC	R 344 @ 2+49		
EPTIE IN #4	27-Sep-08	East EAOI-10	2+49	3+27	30	30	11:32	11:37	Pass	SW	EC	R 345 @ 3+27		
EPTIE IN #4	27-Sep-08	East EAOI-10	3+27	3+85	30	30	11:40	11:45	Pass	SW	EC	R 346 @ 3+85		
EPTIE IN #4	27-Sep-08	East EAOI-10	3+85	EOS	30	30	11:45	11:50	Pass	SW	EC	R 347 @ EOS		
EP149/EP150	30-Sep-08	West AOI-5	BOS	EOS	30	30	16:35	16:40	Pass	SW	EC	Vault Tie In West Slope		
EP150/EP152	30-Sep-08	East AOI-5	BOS	EOS	30	30	16:45	16:50	Pass	SW	EC	Vault Tie In Top		
EP149/EP152	30-Sep-08	East AOI-5	BOS	EOS	30	30	17:16	17:21	Pass	SW	EC	Vault Tie In East Slope		
EP150/EP151	30-Sep-08	East AOI-5	BOS	EOS	30	30	17:03	17:08	Pass	SW	EC	Vault Tie In West Slope		
EP151/EP152	30-Sep-08	East AOI-5	BOS	EOS	30	30	17:73	17:08	Pass	SW	EC	Vault Tie In Top		
EP152/EP153	30-Sep-08	East AOI-5	BOS	EOS	30	30	16:57	17:02	Pass	SW	EC	Vault Tie In East Slope		
EP151/EP153	30-Sep-08	East AOI-5	BOS	EOS	30	30	17:10	17:15	Pass	SW	EC	Vault Tie In Top		
EP146/EP149	30-Sep-08	East AOI-5	BOS	EOS	30	30	16:50	16:55	Pass	SW	EC	Vault Tie In West/East Slope		
EP149/EP154	30-Sep-08	West AOI-5	BOS	EOS	30	30	17:45	17:50	Pass	SW	EC	Vault Tie In West Slope		
P37/EP149	30-Sep-08	West AOI-5	BOS	EOS	30	30	17:56	16:01	Pass	SW	EC	Vault Tie In West Slope		
P37/EP150	30-Sep-08	West AOI-5	BOS	EOS	30	30	17:56	16:01	Pass	SW	EC	Vault Tie In West Slope		
P37/EP151	30-Sep-08	West AOI-5	BOS	EOS	30	30	17:56	16:01	Pass	SW	EC	Vault Tie In West Slope		
P36/EP151	30-Sep-08	East AOI-5	BOS	EOS	30	30	18:08	18:13	Pass	SW	EC	Vault Tie In Top		
P36/EP153	30-Sep-08	East AOI-5	BOS	EOS	30	30	18:08	18:13	Pass	SW	EC	Vault Tie In East Slope		
P35/EP149	30-Sep-08	East AOI-5	BOS	EOS	30	30	18:18	18:23	Pass	SW	EC	Vault Tie In East Slope		
P35/EP152	30-Sep-08	East AOI-5	BOS	EOS	30	30	18:18	18:23	Pass	SW	EC	Vault Tie In East Slope		
P35/EP153	30-Sep-08	East AOI-5	BOS	EOS	30	30	18:18	18:23	Pass	SW	EC	Vault Tie In East Slope		
P34/EP149	30-Sep-08	East AOI-5	BOS	3+48	30	30	18:20	18:25	Pass	SW	EC	R 356 @ 3+48		
P34/EP149	30-Sep-08	East AOI-5	3+48	EOS	30	30	18:25	18:30	Pass	SW	EC	Vault Tie In East Slope		
EP68/EP189	8-Nov-08	West AOI-6	BOS	0+24	30	30	11:00	11:05	Pass	SW	SM	R 405 @ 0+24 to 0+31		
EP68/EP189	8-Nov-08	West AOI-6	0+31	EOS	30	30	10:55	11:00	Pass	SW	SM			
EP189/EP190	8-Nov-08	West AOI-11	BOS	0+08	30	30	11:29	11:34	Pass	SW	SM	R 423 @ 0+08		
EP189/EP190	8-Nov-08	West AOI-11	0+08	0+25	30	30	11:25	11:30	Pass	SW	SM	R 420 @ 0+25		
EP189/EP190	8-Nov-08	West AOI-11	0+25	0+30	30	30	11:19	11:24	Pass	SW	SM	R 419 @ 0+30		
EP189/EP190	8-Nov-08	West AOI-11	0+30	0+38	30	30	11:09	11:14	Pass	SW	SM	R 418 @ 0+38		
EP189/EP190	8-Nov-08	West AOI-11	0+38	EOS	30	30	11:07	11:12	Pass	SW	SM			
EP190/EP191	8-Nov-08	West AOI-11	BOS	0+03	30	30	11:36	11:41	Pass	SW	SM	R 422 @ 0+03		
EP190/EP191	8-Nov-08	West AOI-11	0+03	0+29	30	30	11:44	11:49	Pass	SW	SM	R 421 @ 0+29		
EP190/EP191	8-Nov-08	West AOI-11	0+29	EOS	30	30	11:46	11:51	Pass	SW	SM			
EP191/EP192	8-Nov-08	West AOI-11	BOS	1+08	30	30	11:52	12:03	Pass	SW	SM	R 412 @ 1+08		
EP191/EP192	8-Nov-08	West AOI-11	1+08	EOS	30	30	12:00	12:05	Pass	SW	SM			
EP192/EP193	8-Nov-08	West AOI-11	BOS	EOS	30	30	13:25	13:30	Pass	SW	SM			
EP193/EP194	8-Nov-08	West AOI-11	BOS	EOS	30	30	13:29	13:34	Pass	SW	SM			
EP194/EP195	8-Nov-08	West AOI-8	BOS	EOS	30	30	14:02	14:07	Pass	SW	SM			
EP195/EP196	8-Nov-08	West AOI-8	BOS	EOS	30	30	14:50	14:55	Pass	SW	SM			
EP196/EP197	8-Nov-08	West AOI-8	BOS	EOS	30	30	14:53	14:58	Pass	SW	SM			
EP195/EP198	8-Nov-08	West AOI-8	BOS	0+10	30	30	15:25	15:30	Pass	SW	SM	R 433 @ 0+10		
EP195/EP198	8-Nov-08	West AOI-8	0+10	EOS	30	29	15:20	15:25	Pass	SW	SM			

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP196/EP198	8-Nov-08	South AOI-8	BOS	EOS	30	29	15:20	15:25	Pass	SW	SM		
EP197/EP198	8-Nov-08	South AOI-8	BOS	EOS	30	29	15:20	15:25	Pass	SW	SM		
EP198/EP199	8-Nov-08	South AOI-8	BOS	EOS	30	30	16:24	16:29	Pass	SW	SM		
EP197/EP199	8-Nov-08	South AOI-8	BOS	EOS	30	30	16:24	16:29	Pass	SW	SM		
EP196/EP199	8-Nov-08	South AOI-8	BOS	EOS	30	30	16:24	16:29	Pass	SW	SM		
EP195/EP199	8-Nov-08	South AOI-8	BOS	EOS	30	30	16:24	16:29	Pass	SW	SM		
EP194/EP199	8-Nov-08	South AOI-8	BOS	EOS	30	30	16:24	16:29	Pass	SW	SM		
EP193/EP199	8-Nov-08	West AOI-11	BOS	EOS	30	30	16:24	16:29	Pass	SW	SM		
EP192/EP199	8-Nov-08	West AOI-11	BOS	EOS	30	30	16:24	16:29	Pass	SW	SM		
EP191/EP199	8-Nov-08	West AOI-11	BOS	EOS	30	30	16:24	16:29	Pass	SW	SM		
EP190/EP199	8-Nov-08	West AOI-11	BOS	EOS	30	30	16:24	16:29	Pass	SW	SM		
EP74/EP189	8-Nov-08	West AOI-6	BOS	EOS	30	30	16:41	16:46	Pass	SW	SM		
EP74/EP190	8-Nov-08	West AOI-11	BOS	EOS	30	30	16:41	16:46	Pass	SW	SM		
EP203/EP204	10-Nov-08	East AOI-8	BOS	EOS	30	30	09:07	09:12	Pass	SW	EC		
EP200/EP201	10-Nov-08	East AOI-8	BOS	EOS	30	29	08:45	08:50	Pass	SW	EC		
EP201/EP202	10-Nov-08	East AOI-8	BOS	EOS	30	30	09:35	19:40	Pass	SW	EC		
EP200/EP202	10-Nov-08	West AOI-8	BOS	EOS	30	30	09:35	09:40	Pass	SW	EC		
EP202/EP203	10-Nov-08	West AOI-8	BOS	EOS	30	30	10:10	10:15	Pass	SW	EC		
EP202/EP204	10-Nov-08	East AOI-8	BOS	EOS	30	30	10:10	10:15	Pass	SW	EC		
EP204/EP205	10-Nov-08	East AOI-8	BOS	EOS	30	30	10:30	10:35	Pass	SW	EC		
EP203/EP205	10-Nov-08	West AOI-8	BOS	EOS	30	30	10:30	10:35	Pass	SW	EC		
EP205/EP206	10-Nov-08	West AOI-8	BOS	2+99	30	30	11:25	11:30	Pass	SW	EC	R 437 @ 2+99	
EP205/EP206	10-Nov-08	West AOI-8	2+99	EOS	30	30	14:40	14:45	Pass	SW	EC		
EP206/EP208	10-Nov-08	East AOI-8	BOS	EOS	30	30	12:02	12:07	Pass	SW	EC		
EP207/EP208	10-Nov-08	West AOI-8	BOS	EOS	30	29	10:55	11:00	Pass	SW	EC		
EP206/EP207	10-Nov-08	West AOI-8	BOS	EOS	30	30	12:02	12:07	Pass	SW	EC		
EP208/EP209	10-Nov-08	East AOI-8	BOS	1+93	30	30	12:11	12:16	Pass	SW	EC	R 429 @ 1+93	
EP208/EP209	10-Nov-08	East AOI-8	1+93	EOS	30	30	12:10	12:15	Pass	SW	EC		
EP207/EP209	10-Nov-08	West AOI-8	BOS	EOS	30	30	12:11	12:16	Pass	SW	EC		
EP198/EP200	10-Nov-08	West AOI-8	BOS	0+35	30	30	13:54	13:59	Pass	SW	EC	R 431 @ 0+35	
EP198/EP200	10-Nov-08	West AOI-8	0+35	EOS	30	30	13:46	13:51	Pass	SW	EC		
EP199/EP200	10-Nov-08	East AOI-8	1+38	EOS	30	30	13:40	13:45	Pass	SW	EC	R 438 @ BOS to 1+38	
EP211/EP212	10-Nov-08	East AOI-8	BOS	EOS	30	30	14:25	14:30	Pass	SW	EC		
EP209/EP210	10-Nov-08	East AOI-8	BOS	0+08	30	30	14:05	14:10	Pass	SW	EC	R 430 @ 0+08	
EP209/EP210	10-Nov-08	East AOI-8	0+08	2+60	30	30	14:12	14:17	Pass	SW	EC	R 439 @ 2+60	
EP209/EP210	11-Nov-08	East AOI-8	2+60	EOS	30	30	07:29	07:34	Pass	SW	EC		
EP210/EP211	10-Nov-08	West AOI-8	BOS	EOS	30	29	14:58	15:03	Pass	SW	EC		
EP210/EP212	10-Nov-08	East AOI-8	BOS	2+60	30	29	14:58	15:03	Pass	SW	EC	R 441 @ 2+60	
EP210/EP212	11-Nov-08	East AOI-8	2+60	EOS	30	30	07:17	07:22	Pass	SW	EC		
EP199/EP213	10-Nov-08	East AOI-8	BOS	EOS	30	30	15:30	15:35	Pass	SW	EC		
EP213/EP214	10-Nov-08	East AOI-8	BOS	EOS	30	30	13:45	13:50	Pass	SW	EC		
EP215/EP216	10-Nov-08	East AOI-8	BOS	EOS	31	30	16:15	16:20	Pass	SW	EC		
EP216/EP217	10-Nov-08	West AOI-11	BOS	1+27	30	30	16:52	16:57	Pass	SW	EC	R 444 @ 1+27	

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP216/EP217	10-Nov-08	West AOI-11	1+27	EOS	30	30	16:46	16:51	Pass	SW	EC		
EP215/EP217	10-Nov-08	West AOI-11	BOS	EOS	30	30	16:46	16:51	Pass	SW	EC		
EP214/EP216	10-Nov-08	West AOI-11	BOS	EOS	30	30	17:29	17:34	Pass	SW	EC		
EP214/EP215	10-Nov-08	West AOI-11	0+53	EOS	30	30	17:20	17:25	Pass	SW	EC	R 445 @ BOS to 0+53	
EP219/EP220	10-Nov-08	West AOI-11	BOS	0+42	30	30	17:49	17:54	Pass	SW	EC	R 448 @ 0+42	
EP219/EP220	10-Nov-08	West AOI-11	0+42	0+58	30	29	17:41	17:46	Pass	SW	EC	R 447 @ 0+58 to 0+64	
EP219/EP220	10-Nov-08	West AOI-11	0+64	EOS	30	30	17:36	17:41	Pass	SW	EC		
EP217/EP218	10-Nov-08	West AOI-11	BOS	EOS	30	30	17:00	17:05	Pass	SW	EC		
EP218/EP219	11-Nov-08	West AOI-11	BOS	0+54	30	30	07:38	07:43	Pass	SW	EC	R 449 @ 0+54	
EP218/EP219	11-Nov-08	West AOI-11	0+54	EOS	30	30	07:44	07:49	Pass	SW	EC		
EP221/EP222	11-Nov-08	South AOI-8	BOS	EOS	30	30	08:17	08:22	Pass	SW	EC		
EP222/EP223	11-Nov-08	South AOI-8	BOS	EOS	30	30	08:20	08:25	Pass	SW	EC		
EP223/EP224	11-Nov-08	South AOI-8	BOS	EOS	30	30	08:35	08:40	Pass	SW	EC		
EP212/EP222	11-Nov-08	South AOI-8	BOS	EOS	30	30	09:10	09:15	Pass	SW	EC		
EP211/EP222	11-Nov-08	South AOI-8	BOS	EOS	30	30	09:10	09:15	Pass	SW	EC		
EP211/EP223	11-Nov-08	South AOI-8	BOS	0+41	30	30	09:10	09:15	Pass	SW	EC	R 453 @ 0+41	
EP211/EP223	11-Nov-08	South AOI-8	0+41	EOS	30	30	09:21	09:26	Pass	SW	EC		
EP211/EP224	11-Nov-08	South AOI-8	BOS	EOS	30	30	09:21	09:26	Pass	SW	EC		
EP221/EP225	11-Nov-08	South AOI-8	BOS	EOS	30	30	09:43	09:48	Pass	SW	EC		
EP212/EP221	11-Nov-08	South AOI-8	BOS	EOS	30	29	09:52	09:57	Pass	SW	EC		
EP212/EP225	11-Nov-08	South AOI-8	BOS	EOS	30	29	09:52	09:57	Pass	SW	EC		
EP74/EP199	18-Nov-08	West AOI-11	BOS	EOS	-	-	-	-	Pass	SW	EC	Vac tested (extrusion weld)	
EP66/EP213	18-Nov-08	West AOI-11	BOS	EOS	-	-	-	-	Pass	SW	EC	Vac tested (extrusion weld)	
EP58/EP214	18-Nov-08	West AOI-11	BOS	EOS	-	-	-	-	Pass	SW	EC	Vac tested (extrusion weld)	
EP60/EP216	18-Nov-08	West AOI-6	BOS	EOS	-	-	-	-	Pass	SW	EC	Vac tested (extrusion weld)	
EP61/EP217	18-Nov-08	West AOI-6	BOS	EOS	-	-	-	-	Pass	SW	EC	Vac tested (extrusion weld)	
EP62/EP218	18-Nov-08	West AOI-6	BOS	EOS	-	-	-	-	Pass	SW	EC	Vac tested (extrusion weld)	
EP64/EP219	18-Nov-08	West AOI-6	BOS	EOS	-	-	-	-	Pass	SW	EC	Vac tested (extrusion weld)	
EP65/EP219	18-Nov-08	West AOI-6	BOS	EOS	-	-	-	-	Pass	SW	EC	Vac tested (extrusion weld)	
EP65/EP220	18-Nov-08	West AOI-6	BOS	EOS	-	-	-	-	Pass	SW	EC	Vac tested (extrusion weld)	
EP62/EP217	18-Nov-08	West AOI-6	BOS	EOS	-	-	-	-	Pass	SW	EC	Vac tested (extrusion weld)	
EP226/EP227	20-Nov-08	West AOI-6	BOS	0+42	30	30	08:29	08:34	Pass	SW	EC	R 469 @ 0+42	
EP226/EP227	20-Nov-08	West AOI-6	0+42	EOS	30	30	08:26	08:31	Pass	SW	EC		
EP227/EP228	20-Nov-08	West AOI-6	BOS	0+48	30	30	09:00	09:05	Pass	SW	EC	R 471 @ 0+48	
EP227/EP228	20-Nov-08	West AOI-6	0+48	EOS	30	29	08:54	08:59	Pass	SW	EC		
EP228/EP229	20-Nov-08	West AOI-6	BOS	EOS	30	30	09:06	09:11	Pass	SW	EC		
EP220/EP227	20-Nov-08	West AOI-6	BOS	EOS	30	30	09:13	09:18	Pass	SW	EC		
EP220/EP226	20-Nov-08	West AOI-6	BOS	EOS	30	30	09:23	09:28	Pass	SW	EC		
EP229/EP230	20-Nov-08	West AOI-6	BOS	EOS	30	30	09:31	09:36	Pass	SW	EC		
EP230/EP231	20-Nov-08	East AOI-11	BOS	EOS	30	30	09:55	10:00	Pass	SW	EC		
EP231/EP232	20-Nov-08	East AOI-11	BOS	0+74	31	31	10:11	10:16	Pass	SW	EC	R 473 @ 0+74	
EP231/EP232	20-Nov-08	East AOI-11	0+74	EOS	30	30	09:59	10:04	Pass	SW	EC		
EP78/EP226	20-Nov-08	West AOI-6	BOS	EOS	30	30	10:38	10:43	Pass	SW	EC		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
W208/EP226	20-Nov-08	West AOI-6	BOS	EOS	30	30	10:40	10:45	Pass	SW	EC		
W208/EP227	20-Nov-08	West AOI-6	BOS	EOS	30	30	10:40	10:45	Pass	SW	EC		
EP82/EP227	20-Nov-08	West AOI-6	BOS	EOS	30	30	10:40	10:45	Pass	SW	EC		
EP83/EP228	20-Nov-08	West AOI-6	BOS	EOS	30	30	10:40	10:45	Pass	SW	EC		
EP84/EP229	20-Nov-08	West AOI-6	BOS	EOS	30	30	10:40	10:45	Pass	SW	EC		
EP85/EP230	20-Nov-08	West AOI-6	BOS	EOS	30	30	11:07	11:12	Pass	SW	EC		
EP86/EP231	20-Nov-08	East AOI-6	BOS	EOS	30	30	11:07	11:12	Pass	SW	EC		
EP88/EP232	20-Nov-08	East AOI-6	BOS	EOS	30	30	11:07	11:12	Pass	SW	EC		
EP250/EP251	21-Nov-08	East AOI 8	BOS	EOS	30	30	18:50	18:55	Pass	SW	CH		
EP249/EP250	21-Nov-08	East AOI 8	EOS	0+23	30	30	18:21	18:26	Pass	SW	EC	R 514 @ 0+16 to 0+23 R 531 @ BOS to 0+16	
EP248/EP249	21-Nov-08	East AOI 8	BOS	EOS	30	30	18:06	18:11	Pass	SW	EC		
EP248/EP250	21-Nov-08	East AOI 8	BOS	EOS	30	30	18:11	18:16	Pass	SW	EC		
EP249/EP251	21-Nov-08	East AOI 8	BOS	EOS	30	30	18:55	19:00	Pass	SW	CH		
EP235/EP240	21-Nov-08	East AOI 6	BOS	EOS	-	-	-	-	Fail	SW	EC	R 505	
EP232/EP233	22-Nov-08	East AOI-6	BOS	EOS	30	30	09:45	09:50	Pass	SW	SM		
EP88/EP233	22-Nov-08	East AOI-6	BOS	EOS	30	30	09:45	09:50	Pass	SW	SM		
EP235/EP234	22-Nov-08	East AOI-6	BOS	EOS	30	30	09:53	09:58	Pass	SW	SM		
EP234/EP235	22-Nov-08	East AOI-6	BOS	0+36	30	30	10:00	10:05	Pass	SW	SM	R 488 @ 0+36	
EP234/EP235	22-Nov-08	East AOI-6	0+36	EOS	30	30	09:52	09:57	Pass	SW	SM		
EP235/EP236	22-Nov-08	East AOI-6	BOS	EOS	30	30	10:30	10:35	Pass	SW	SM		
EP236/EP237	22-Nov-08	East AOI-6	BOS	0+38	30	30	10:09	10:14	Pass	SW	SM	R 489 @ 0+38	
EP236/EP237	22-Nov-08	East AOI-6	0+38	0+55	30	30	10:21	10:26	Pass	SW	SM	R 490 @ 0+55	
EP236/EP237	22-Nov-08	East AOI-6	0+55	EOS	30	30	10:25	10:30	Pass	SW	SM		
EP237/EP238	22-Nov-08	East AOI-6	BOS	EOS	30	30	10:35	10:39	Pass	SW	SM		
EP87/EP239	22-Nov-08	East AOI-6	BOS	0+32	30	30	13:17	13:22	Pass	SW	SM	R 506 @ 0+32	
EP87/EP239	22-Nov-08	East AOI-6	0+32	EOS	30	30	13:50	13:55	Pass	SW	SM		
EP88/EP239	22-Nov-08	East AOI-6	BOS	EOS	30	30	13:50	13:55	Pass	SW	SM		
EP240/EP241	22-Nov-08	East AOI-6	BOS	EOS	30	29	14:17	14:22	Pass	SW	SM		
EP239/EP241	22-Nov-08	East AOI-6	BOS	EOS	30	29	14:52	14:57	Pass	SW	SM		
EP239/EP240	22-Nov-08	East AOI-6	BOS	EOS	30	30	14:55	15:00	Pass	SW	SM		
EP241/EP242	22-Nov-08	East AOI-6	BOS	EOS	30	30	15:02	15:07	Pass	SW	SM		
EP240/EP242	22-Nov-08	East AOI-6	BOS	EOS	30	30	15:02	15:07	Pass	SW	SM		
EP233/EP239	22-Nov-08	East AOI-6	BOS	EOS	30	30	15:25	15:30	Pass	SW	SM		
EP234/EP240	22-Nov-08	East AOI-6	BOS	EOS	30	30	15:25	15:30	Pass	SW	SM		
EP235/EP242	22-Nov-08	East AOI-6	BOS	EOS	30	29	15:35	15:40	Pass	SW	SM		
EP243/EP244	22-Nov-08	East AOI-8	BOS	EOS	30	30	16:45	16:50	Pass	SW	SM		
EP244/EP245	22-Nov-08	East AOI-8	BOS	EOS	31	30	16:48	17:03	Pass	SW	SM		
EP245/EP246	22-Nov-08	East AOI-8	BOS	EOS	30	30	17:09	17:14	Pass	SW	SM		
EP246/EP247	22-Nov-08	East AOI-8	BOS	EOS	30	29	17:21	17:26	Pass	SW	SM		
EP247/EP248	22-Nov-08	East AOI-8	BOS	EOS	30	30	17:31	17:36	Pass	SW	SM		
EP215/EP243	22-Nov-08	East AOI-8	BOS	EOS	-	-	-	-	Pass	SW	EC	Vac tested (extrusion weld)	
EP214/EP243	22-Nov-08	East AOI-8	BOS	EOS	-	-	-	-	Pass	SW	EC	Vac tested (extrusion weld)	

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing									Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾					
			Start	End	Start	End	Start	End	Test					
EP214/EP201	22-Nov-08	East AOI-8	BOS	EOS	-	-	-	-	-	-	Fail	SW	EC	R 524
EP201/EP213	22-Nov-08	East AOI-8	BOS	EOS	-	-	-	-	-	-	Pass	SW	EC	Vac tested (extrusion weld)
EP205/EP249	22-Nov-08	East AOI-8	BOS	EOS	30	29	18:25	18:30	18:45	18:50	Pass	SW	SM	
EP201/EP243	22-Nov-08	East AOI-8	BOS	EOS	30	30	18:45	18:50	18:45	18:50	Pass	SW	SM	
EP201/EP243	22-Nov-08	East AOI-8	BOS	EOS	30	30	18:45	18:50	18:45	18:50	Pass	SW	SM	
EP201/EP245	22-Nov-08	East AOI-8	BOS	EOS	30	30	18:45	18:50	18:45	18:50	Pass	SW	SM	
EP202/EP245	22-Nov-08	East AOI-8	BOS	EOS	30	30	18:45	18:50	18:45	18:50	Pass	SW	SM	
EP202/EP246	22-Nov-08	East AOI-8	BOS	EOS	30	30	18:45	18:50	18:45	18:50	Pass	SW	SM	
EP202/EP247	22-Nov-08	East AOI-8	BOS	EOS	30	30	18:45	18:50	18:45	18:50	Pass	SW	SM	
EP204/EP247	22-Nov-08	East AOI-8	BOS	EOS	30	30	18:45	18:50	18:45	18:50	Pass	SW	SM	
EP204/EP248	22-Nov-08	East AOI-8	BOS	EOS	30	30	18:45	18:50	18:45	18:50	Pass	SW	SM	
EP252/EP253	5-Dec-08	West AOI-8	BOS	EOS	30	30	08:45	08:50	09:05	09:10	Pass	SW	EC	
EP253/EP254	5-Dec-08	West AOI-8	EOS	0+42	30	29	08:47	08:52	09:05	09:10	Pass	SW	EC	R 533 @ 0+29 to 0+42
EP253/EP254	5-Dec-08	West AOI-8	BOS	0+29	30	30	09:05	09:10	09:13	09:18	Pass	SW	EC	
EP254/EP256	5-Dec-08	West AOI-8	BOS	EOS	30	30	09:13	09:18	09:20	09:25	Pass	SW	EC	
EP255/EP256	5-Dec-08	West AOI-8	BOS	EOS	30	30	09:20	09:25	09:30	09:35	Pass	SW	EC	
EP254/EP255	5-Dec-08	West AOI-8	BOS	EOS	30	30	09:30	09:35	09:53	09:58	Pass	SW	EC	
EP211/EP257	5-Dec-08	West AOI-8	BOS	EOS	30	30	09:53	09:58	-	-	Fail	SW	EC	R 534
EP255/EP257	5-Dec-08	West AOI-8	BOS	EOS	-	-	-	-	-	-	Fail	SW	EC	R 535
EP211/EP255	5-Dec-08	West AOI-8	BOS	EOS	-	-	-	-	-	-	Fail	SW	EC	R 532 @ 0+10
EP224/EP252	5-Dec-08	West AOI-8	BOS	0+10	30	30	10:07	10:12	10:05	10:10	Pass	SW	EC	
EP224/EP252	5-Dec-08	West AOI-8	0+10	EOS	31	31	10:05	10:10	10:30	10:35	Pass	SW	EC	
EP211/EP252	5-Dec-08	West AOI-8	BOS	EOS	30	30	10:30	10:35	10:30	10:35	Pass	SW	EC	
EP211/EP253	5-Dec-08	West AOI-8	BOS	EOS	30	30	10:30	10:35	10:30	10:35	Pass	SW	EC	
EP211/EP254	5-Dec-08	West AOI-8	BOS	EOS	30	30	10:30	10:35	10:30	10:35	Pass	SW	EC	
EP211/EP255	5-Dec-08	West AOI-8	BOS	EOS	30	30	10:30	10:35	10:21	10:26	Pass	SW	EC	
EP225/EP258	5-Dec-08	East AOI-8	BOS	EOS	30	30	10:21	10:26	10:45	10:50	Pass	SW	EC	
EP212/EP258	5-Dec-08	East AOI-8	BOS	EOS	30	30	10:45	10:50	9:29	9:34	Pass	EK	RH	
EP259/EP260	6-Apr-10	Parcel 201	BOS	EOS	30	30	9:29	9:34	9:50	9:55	Pass	EK	RH	
EP260/EP261	6-Apr-10	Parcel 201	BOS	EOS	30	30	9:50	9:55	11:03	11:08	Pass	EK	RH	
EP261/EP262	6-Apr-10	Parcel 201	BOS	EOS	30	30	11:03	11:08	11:32	11:37	Pass	EK	RH	
EP262/EP268	6-Apr-10	Parcel 201	BOS	EOS	30	29	11:32	11:37	11:32	11:37	Pass	EK	RH	
EP262/EP267	6-Apr-10	Parcel 201	BOS	EOS	30	29	11:32	11:37	11:32	11:37	Pass	EK	RH	
EP262/EP266	6-Apr-10	Parcel 201	BOS	EOS	30	29	11:32	11:37	11:32	11:37	Pass	EK	RH	
EP262/EP265	6-Apr-10	Parcel 201	BOS	EOS	30	29	11:32	11:37	13:20	13:25	Pass	EK	RH	
EP262/EP263	6-Apr-10	Parcel 201	BOS	EOS	30	30	11:16	11:21	13:22	13:27	Pass	EK	RH	
EP263/EP265	6-Apr-10	Parcel 201	BOS	EOS	30	30	13:20	13:25	13:01	13:06	Pass	EK	RH	
EP263/EP264	6-Apr-10	Parcel 201	BOS	EOS	30	30	13:01	13:06	13:13	13:18	Pass	EK	RH	
EP263/EP264	6-Apr-10	Parcel 201	BOS	EOS	30	30	13:13	13:18	11:27	11:32	Pass	EK	RH	
EP264/EP265	6-Apr-10	Parcel 201	BOS	EOS	30	30	11:27	11:32	13:03	13:08	Pass	EK	RH	
EP265/EP266	6-Apr-10	Parcel 201	BOS	EOS	30	30	13:03	13:08	13:04	13:09	Pass	EK	RH	
EP266/EP267	6-Apr-10	Parcel 201	BOS	EOS	30	30	13:04	13:09						

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing									Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾	Test Crew ID	QA ID	
			Start	End	Start	End	Start	End	Test			
EP267/EP268	6-Apr-10	Parcel 201	BOS	EOS	30	30	10:22	10:27	Pass	EK	RH	
EP267/EP268	6-Apr-10	Parcel 201	BOS	EOS	30	30	10:24	10:29	Pass	EK	RH	
EP262/EP269	6-Apr-10	Parcel 201	BOS	EOS	30	30	14:20	14:25	Pass	EK	RH	
EP268/EP269	6-Apr-10	Parcel 201	BOS	EOS	30	30	14:26	14:31	Pass	EK	RH	
EP269/EP270	6-Apr-10	Parcel 201	BOS	EOS	30	30	13:48	13:53	Pass	EK	RH	
EP269/EP270	6-Apr-10	Parcel 201	BOS	EOS	30	30	14:04	14:09	Pass	EK	RH	
EP270/EP271	6-Apr-10	Parcel 201	BOS	EOS	30	29	14:28	14:33	Pass	EK	RH	
EP261/EP269	6-Apr-10	Parcel 201	BOS	EOS	30	30	13:56	14:01	Pass	EK	RH	
EP271/EP272	6-Apr-10	Parcel 201	BOS	EOS	30	30	14:54	14:59	Pass	EK	RH	
EP272/EP273	6-Apr-10	Parcel 201	BOS	EOS	30	30	14:56	15:01	Pass	EK	RH	
EP273/EP274	6-Apr-10	Parcel 201	BOS	EOS	30	30	15:15	15:20	Pass	EK	RH	
EP274/EP275	6-Apr-10	Parcel 201	BOS	EOS	30	30	15:11	15:16	Pass	EK	RH	
EP274/EP276	6-Apr-10	Parcel 201	BOS	EOS	30	30	16:45	16:49	Pass	EK	RH	
EP275/EP276	6-Apr-10	Parcel 201	BOS	EOS	30	30	16:45	16:49	Pass	EK	RH	
EP275/EP278	6-Apr-10	Parcel 201	BOS	EOS	30	30	16:40	16:45	Pass	EK	RH	
EP276/EP278	6-Apr-10	Parcel 201	BOS	EOS	30	30	16:30	16:35	Pass	EK	RH	
EP276/EP277	6-Apr-10	Parcel 201	BOS	EOS	30	30	16:15	16:20	Pass	EK	RH	
EP276/EP277	6-Apr-10	Parcel 201	BOS	EOS	30	30	16:19	16:24	Pass	EK	RH	
EP277/EP279	7-Apr-10	Parcel 201	BOS	EOS	30	30	8:31	8:36	Pass	EK	RH	
EP279/EP280	7-Apr-10	Parcel 201	BOS	EOS	30	30	8:36	8:41	Pass	EK	RH	
EP280/EP281	7-Apr-10	Parcel 201	BOS	EOS	30	30	8:43	8:48	Pass	EK	RH	
EP281/EP282	7-Apr-10	Parcel 201	BOS	EOS	30	30	8:43	8:48	Pass	EK	RH	
EP282/EP283	7-Apr-10	Parcel 201	BOS	EOS	30	30	10:35	10:40	Pass	EK	RH	
EP284/EP285	7-Apr-10	Parcel 201	BOS	EOS	30	30	10:11	10:16	Pass	EK	RH	
EP284/EP285	7-Apr-10	Parcel 201	BOS	EOS	30	30	10:16	10:21	Pass	EK	RH	
EP284/EP285	7-Apr-10	Parcel 201	BOS	EOS	30	30	10:21	10:26	Pass	EK	RH	
EP277/EP285	7-Apr-10	Parcel 201	BOS	EOS	30	30	11:15	11:20	Pass	EK	RH	
EP279/EP285	7-Apr-10	Parcel 201	BOS	EOS	30	30	11:15	11:20	Pass	EK	RH	
EP279/EP284	7-Apr-10	Parcel 201	BOS	EOS	30	30	11:15	11:20	Pass	EK	RH	
EP280/EP284	7-Apr-10	Parcel 201	BOS	EOS	30	30	11:15	11:20	Pass	EK	RH	
EP285/EP286	7-Apr-10	Parcel 201	BOS	EOS	30	30	11:11	11:16	Pass	EK	RH	
EP283/EP286	7-Apr-10	Parcel 201	BOS	EOS	30	30	11:33	11:38	Pass	EK	RH	
EP282/EP285	7-Apr-10	Parcel 201	BOS	EOS	30	30	11:59	12:04	Pass	EK	RH	
EP281/EP285	7-Apr-10	Parcel 201	BOS	EOS	30	30	11:59	12:04	Pass	EK	RH	
EP281/EP284	7-Apr-10	Parcel 201	BOS	EOS	30	30	11:59	12:04	Pass	EK	RH	
EP280/EP284	7-Apr-10	Parcel 201	BOS	EOS	30	30	11:59	12:04	Pass	EK	RH	
EP272/EP286	7-Apr-10	Parcel 201	BOS	EOS	30	30	13:32	13:37	Pass	EK	RH	
EP274/EP286	7-Apr-10	Parcel 201	BOS	EOS	30	30	13:32	13:37	Pass	EK	RH	
EP286/EP287	10-Apr-10	Parcel 201	BOS	EOS	30	30	9:04	9:09	Pass	EK	RH	
EP286/EP287	10-Apr-10	Parcel 201	BOS	EOS	30	30	9:10	9:15	Pass	EK	RH	
EP287/EP288	10-Apr-10	Parcel 201	BOS	EOS	30	30	9:56	10:01	Pass	EK	RH	
EP287/EP289	10-Apr-10	Parcel 201	BOS	EOS	30	30	9:56	10:01	Pass	EK	RH	
EP288/EP289	10-Apr-10	Parcel 201	BOS	EOS	30	30	9:50	9:55	Pass	EK	RH	

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing									Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾	Test Crew ID	QA ID	
			Start	End	Start	End	Start	End	Test			
EP288/EP290	10-Apr-10	Parcel 201	BOS	EOS	30	30	10:14	10:19	Pass	EK	RH	
EP288/EP290	10-Apr-10	Parcel 201	BOS	EOS	30	30	10:39	10:44	Pass	EK	RH	
EP289/EP290	10-Apr-10	Parcel 201	BOS	EOS	30	30	10:39	10:44	Pass	EK	RH	
EP289/EP290	10-Apr-10	Parcel 201	BOS	EOS	30	30	10:42	10:47	Pass	EK	RH	
EP290/EP291	10-Apr-10	Parcel 201	BOS	EOS	30	30	10:58	11:03	Pass	EK	RH	
EP290/EP292	10-Apr-10	Parcel 201	BOS	EOS	30	30	10:58	11:03	Pass	EK	RH	
EP291/EP292	10-Apr-10	Parcel 201	BOS	EOS	30	30	10:20	10:25	Pass	EK	RH	
EP291/EP293	10-Apr-10	Parcel 201	BOS	EOS	30	30	11:14	11:19	Pass	EK	RH	
EP292/EP293	10-Apr-10	Parcel 201	BOS	EOS	30	30	11:14	11:19	Pass	EK	RH	
EP292/EP294	10-Apr-10	Parcel 201	BOS	EOS	30	30	11:36	11:41	Pass	EK	RH	
EP293/EP294	10-Apr-10	Parcel 201	BOS	EOS	30	30	11:25	11:30	Pass	EK	RH	
EP293/EP295	10-Apr-10	Parcel 201	BOS	EOS	30	30	11:44	11:49	Pass	EK	RH	
EP294/EP295	10-Apr-10	Parcel 201	BOS	EOS	30	30	11:44	11:49	Pass	EK	RH	
EP295/EP296	10-Apr-10	Parcel 201	BOS	EOS	30	30	13:49	13:54	Pass	EK	RH	
EP295/EP297	10-Apr-10	Parcel 201	BOS	EOS	30	30	13:02	13:07	Pass	EK	RH	
EP296/EP297	10-Apr-10	Parcel 201	BOS	EOS	30	30	13:40	13:45	Pass	EK	RH	
EP297/EP298	10-Apr-10	Parcel 201	BOS	EOS	30	30	14:15	14:20	Pass	EK	RH	
EP298/EP299	10-Apr-10	Parcel 201	BOS	EOS	30	30	15:01	15:06	Pass	EK	RH	
EP298/EP300	10-Apr-10	Parcel 201	BOS	EOS	30	30	15:01	15:06	Pass	EK	RH	
EP298/EP300	10-Apr-10	Parcel 201	BOS	EOS	30	30	15:30	15:35	Pass	EK	RH	
EP299/EP300	10-Apr-10	Parcel 201	BOS	EOS	30	30	14:25	14:30	Pass	EK	RH	
EP299/EP301	10-Apr-10	Parcel 201	BOS	EOS	30	30	15:10	15:15	Pass	EK	RH	
EP300/EP301	10-Apr-10	Parcel 201	BOS	EOS	30	30	15:10	15:15	Pass	EK	RH	
EP300/EP301	10-Apr-10	Parcel 201	BOS	EOS	30	30	15:14	15:19	Pass	EK	RH	
EP301/EP302	10-Apr-10	Parcel 201	BOS	EOS	30	30	15:19	15:24	Pass	EK	RH	
EP301/EP302	10-Apr-10	Parcel 201	BOS	EOS	30	30	15:38	15:43	Pass	EK	RH	
EP302/EP303	10-Apr-10	Parcel 201	BOS	EOS	30	30	15:26	15:31	Pass	EK	RH	
EP302/EP303	10-Apr-10	Parcel 201	BOS	EOS	30	30	15:40	15:45	Pass	EK	RH	
EP303/EP304	10-Apr-10	Parcel 201	BOS	EOS	30	30	15:55	16:00	Pass	EK	RH	
EP304/EP305	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:23	16:28	Pass	EK	RH	
EP306/EP304	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:23	16:28	Pass	EK	RH	
EP305/EP306	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:03	16:08	Pass	EK	RH	
EP305/EP307	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:27	16:32	Pass	EK	RH	
EP306/EP307	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:27	16:32	Pass	EK	RH	
EP308/EP309	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:46	16:51	Pass	EK	RH	
EP309/EP310	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:40	16:45	Pass	EK	RH	
EP310/EP311	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:36	16:41	Pass	EK	RH	
EP311/EP312	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:56	17:01	Pass	EK	RH	
EP311/EP312	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:53	16:58	Pass	EK	RH	
EP312/EP313	10-Apr-10	Parcel 201	BOS	EOS	30	30	17:01	17:06	Pass	EK	RH	
EP273/EP287	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:14	16:19	Pass	EK	RH	
EP272/EP287	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:14	16:19	Pass	EK	RH	
EP272/EP288	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:14	16:19	Pass	EK	RH	

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing									Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾	Test Crew ID	QA ID	
			Start	End	Start	End	Start	End	Test			
EP271/EP288	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:14	16:19	Pass	EK	RH	
EP271/EP290	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:14	16:19	Pass	EK	RH	
EP270/EP291	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:14	16:19	Pass	EK	RH	
EP270/EP293	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:14	16:19	Pass	EK	RH	
EP269/EP293	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:14	16:19	Pass	EK	RH	
EP261/EP293	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:14	16:19	Pass	EK	RH	
EP261/EP295	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:14	16:19	Pass	EK	RH	
EP260/EP295	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:14	16:19	Pass	EK	RH	
EP260/EP296	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:14	16:19	Pass	EK	RH	
EP259/EP296	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:14	16:19	Pass	EK	RH	
EP259/EP298	10-Apr-10	Parcel 201	BOS	EOS	30	30	16:14	16:19	Pass	EK	RH	
EP307/EP308	10-Apr-10	Parcel 201	BOS	EOS	30	30	17:34	17:39	Pass	EK	RH	
EP307/EP309	10-Apr-10	Parcel 201	BOS	EOS	30	30	17:34	17:39	Pass	EK	RH	
EP307/EP310	10-Apr-10	Parcel 201	BOS	EOS	30	30	17:34	17:39	Pass	EK	RH	
EP307/EP311	10-Apr-10	Parcel 201	BOS	EOS	30	30	17:34	17:39	Pass	EK	RH	
EP307/EP312	10-Apr-10	Parcel 201	BOS	EOS	30	30	17:34	17:39	Pass	EK	RH	
EP307/EP313	10-Apr-10	Parcel 201	BOS	EOS	30	30	17:34	17:39	Pass	EK	RH	
EP314/EP315	12-Apr-10	Parcel 201	BOS	EOS	30	30	9:15	9:20	Pass	EK	RH	
EP315/EP316	12-Apr-10	Parcel 201	BOS	EOS	30	30	9:40	9:45	Pass	EK	RH	
EP316/EP317	12-Apr-10	Parcel 201	BOS	EOS	30	30	9:25	9:30	Pass	EK	RH	
EP317/EP318	12-Apr-10	Parcel 201	BOS	EOS	30	30	10:15	10:20	Pass	EK	RH	
EP318/EP319	12-Apr-10	Parcel 201	BOS	EOS	30	30	10:59	11:04	Pass	EK	RH	
EP319/EP318	12-Apr-10	Parcel 201	BOS	EOS	30	30	10:59	11:04	Pass	EK	RH	
EP319/EP320	12-Apr-10	Parcel 201	BOS	EOS	30	30	10:27	10:32	Pass	EK	RH	
EP319/EP321	12-Apr-10	Parcel 201	BOS	EOS	30	30	10:27	10:32	Pass	EK	RH	
EP320/EP321	12-Apr-10	Parcel 201	BOS	EOS	30	30	11:06	11:11	Pass	EK	RH	
EP321/EP322	12-Apr-10	Parcel 201	BOS	EOS	30	30	11:37	11:42	Pass	EK	RH	
EP322/EP323	12-Apr-10	Parcel 201	BOS	EOS	30	30	13:04	13:09	Pass	EK	RH	
EP323/EP324	12-Apr-10	Parcel 201	BOS	EOS	30	30	13:18	13:23	Pass	EK	RH	
EP323/EP324	12-Apr-10	Parcel 201	BOS	EOS	30	30	13:12	13:17	Pass	EK	RH	
EP287/EP325	12-Apr-10	Parcel 201	BOS	EOS	30	30	14:14	14:19	Pass	EK	RH	
EP325/EP326	12-Apr-10	Parcel 201	BOS	EOS	30	30	14:31	14:36	Pass	EK	RH	
EP325/EP326	12-Apr-10	Parcel 201	BOS	EOS	30	30	14:28	14:33	Pass	EK	RH	
EP326/EP327	12-Apr-10	Parcel 201	BOS	EOS	30	30	14:56	15:01	Pass	EK	RH	
EP326/EP327	12-Apr-10	Parcel 201	BOS	EOS	30	30	14:40	14:45	Pass	EK	RH	
EP283/EP328	12-Apr-10	Parcel 201	BOS	EOS	30	30	15:31	15:36	Pass	EK	RH	
EP283/EP328	12-Apr-10	Parcel 201	BOS	EOS	30	30	15:34	15:39	Pass	EK	RH	
EP328/EP329	12-Apr-10	Parcel 201	BOS	EOS	30	30	15:45	15:50	Pass	EK	RH	
EP329/EP330	12-Apr-10	Parcel 201	BOS	EOS	30	30	15:47	15:52	Pass	EK	RH	
EP330/EP331	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:07	16:12	Pass	EK	RH	
EP331/EP332	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:25	16:30	Pass	EK	RH	
EP331/EP332	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:30	16:35	Pass	EK	RH	
EP332/EP333	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:35	16:40	Pass	EK	RH	

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing									Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾	Test Crew ID	QA ID	
			Start	End	Start	End	Start	End	Test			
EP333/EP334	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:41	16:46	Pass	EK	RH	
EP327/EP335	12-Apr-10	Parcel 201	BOS	EOS	30	30	15:56	16:01	Pass	EK	RH	
EP327/EP335	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:00	16:05	Pass	EK	RH	
EP336/EP337	12-Apr-10	Parcel 201	BOS	EOS	30	30	17:26	17:31	Pass	EK	RH	
EP337/EP338	12-Apr-10	Parcel 201	BOS	EOS	30	30	17:35	17:40	Pass	EK	RH	
EP338/EP339	12-Apr-10	Parcel 201	BOS	EOS	30	30	18:01	18:06	Pass	EK	RH	
EP338/EP339	12-Apr-10	Parcel 201	BOS	EOS	30	30	18:00	18:05	Pass	EK	RH	
EP338/EP342	12-Apr-10	Parcel 201	BOS	EOS	30	30	18:00	18:05	Pass	EK	RH	
EP339/EP342	12-Apr-10	Parcel 201	BOS	EOS	30	30	18:07	18:12	Pass	EK	RH	
EP339/EP340	12-Apr-10	Parcel 201	BOS	EOS	30	30	17:51	17:56	Pass	EK	RH	
EP340/EP341	12-Apr-10	Parcel 201	BOS	EOS	30	30	17:45	17:50	Pass	EK	RH	
EP313/EP314	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:55	17:00	Pass	EK	RH	
EP307/EP314	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:55	17:00	Pass	EK	RH	
EP307/EP315	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:55	17:00	Pass	EK	RH	
EP305/EP315	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:55	17:00	Pass	EK	RH	
EP305/EP316	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:55	17:00	Pass	EK	RH	
EP304/EP316	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:55	17:00	Pass	EK	RH	
EP304/EP317	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:55	17:00	Pass	EK	RH	
EP303/EP317	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:55	17:00	Pass	EK	RH	
EP302/EP318	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:55	17:00	Pass	EK	RH	
EP301/EP318	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:55	17:00	Pass	EK	RH	
EP301/EP319	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:55	17:00	Pass	EK	RH	
EP299/EP319	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:55	17:00	Pass	EK	RH	
EP299/EP321	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:55	17:00	Pass	EK	RH	
EP298/EP321	12-Apr-10	Parcel 201	BOS	EOS	30	30	16:55	17:00	Pass	EK	RH	
EP259/EP321	12-Apr-10	Parcel 201	BOS	EOS	30	30	15:19	15:24	Pass	EK	RH	
EP259/EP322	12-Apr-10	Parcel 201	BOS	EOS	30	30	15:19	15:24	Pass	EK	RH	
EP259/EP323	12-Apr-10	Parcel 201	BOS	EOS	30	30	15:19	15:24	Pass	EK	RH	
EP259/EP324	12-Apr-10	Parcel 201	BOS	EOS	30	30	15:19	15:24	Pass	EK	RH	
EP283/EP325	12-Apr-10	Parcel 201	BOS	EOS	30	30	17:10	17:15	Pass	EK	RH	
EP325/EP328	12-Apr-10	Parcel 201	BOS	EOS	30	30	17:16	17:21	Pass	EK	RH	
EP326/EP329	12-Apr-10	Parcel 201	BOS	EOS	30	30	17:16	17:21	Pass	EK	RH	
EP326/EP330	12-Apr-10	Parcel 201	BOS	EOS	30	30	17:16	17:21	Pass	EK	RH	
EP326/EP331	12-Apr-10	Parcel 201	BOS	EOS	30	30	17:16	17:21	Pass	EK	RH	
EP327/EP332	12-Apr-10	Parcel 201	BOS	EOS	30	30	18:20	18:25	Pass	EK	RH	
EP327/EP332	12-Apr-10	Parcel 201	BOS	EOS	30	30	18:20	18:25	Pass	EK	RH	
EP327/EP333	12-Apr-10	Parcel 201	BOS	EOS	30	30	18:20	18:25	Pass	EK	RH	
EP333/EP335	12-Apr-10	Parcel 201	BOS	EOS	30	30	18:20	18:25	Pass	EK	RH	
EP334/EP335	12-Apr-10	Parcel 201	BOS	EOS	30	30	18:20	18:25	Pass	EK	RH	
EP343/EP344	7-Jun-10	Parcel 205/Detention Basin 6	BOS	EOS	31	29	15:51	15:56	Pass	RR	SM	
EP344/EP345	7-Jun-10	Parcel 205/Detention Basin 6	BOS	0+25	30	29	15:57	16:02	Pass	RR	SM	R 731 @ 0+25
EP344/EP345	7-Jun-10	Parcel 205/Detention Basin 6	0+25	EOS	31	29	16:04	16:09	Pass	RR	SM	
EP345/EP346	7-Jun-10	Parcel 205/Detention Basin 6	BOS	EOS	30	29	16:40	16:45	Pass	RR	SM	

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing									Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾					
			Start	End	Start	End	Start	End	Test					
EP346/EP347	7-Jun-10	Parcel 205/Detention Basin 6	BOS	0+35	31	29	16:19	16:24	Pass	RR	SM	R 732 @ 0+35		
EP346/EP347	7-Jun-10	Parcel 205/Detention Basin 6	0+35	EOS	31	29	16:12	16:17	Pass	RR	SM			
EP346/EP348	7-Jun-10	Parcel 205/Detention Basin 6	BOS	EOS	31	30	16:48	16:53	Pass	RR	SM			
EP348/EP349	7-Jun-10	Parcel 205/Detention Basin 6	BOS	0+55	30	28	16:26	16:31	Pass	RR	SM	R 733 @ 0+55		
EP348/EP349	7-Jun-10	Parcel 205/Detention Basin 6	0+55	EOS	30	28	16:32	16:37	Pass	RR	SM			
EP349/EP350	7-Jun-10	Parcel 205/Detention Basin 6	BOS	EOS	31	30	16:57	17:02	Pass	RR	SM			
EP351/EP352	7-Jun-10	Parcel 205/Detention Basin 6	BOS	0+30	31	29	17:06	17:11	Pass	RR	SM	R 741 @ 0+30 to 0+31		
EP351/EP352	7-Jun-10	Parcel 205/Detention Basin 6	0+31	EOS	31	29	17:39	17:44	Pass	RR	SM			
EP352/EP353	7-Jun-10	Parcel 205/Detention Basin 6	BOS	0+33	30	29	17:12	17:17	Pass	RR	SM	R 734 @ 0+33		
EP352/EP353	7-Jun-10	Parcel 205/Detention Basin 6	0+33	EOS	30	28	17:18	17:23	Pass	RR	SM			
EP350/EP351	7-Jun-10	Parcel 205/Detention Basin 6	BOS	EOS	31	30	18:17	18:22	Pass	RR	SM			
EP350/EP352	7-Jun-10	Parcel 205/Detention Basin 6	BOS	EOS	32	31	18:08	18:13	Pass	RR	SM			
EP350/EP353	7-Jun-10	Parcel 205/Detention Basin 6	BOS	EOS	30	27	18:01	18:06	Pass	RR	SM			
EP350/EP354	7-Jun-10	Parcel 205/Detention Basin 6	BOS	0+71	30	27	17:46	17:51	Pass	RR	SM	R 745 @ 0+71		
EP350/EP354	7-Jun-10	Parcel 205/Detention Basin 6	0+71	EOS	30	28	17:52	17:57	Pass	RR	SM			
EP354/EP355	7-Jun-10	Parcel 205/Detention Basin 6	BOS	EOS	30	30	8:26	8:31	Pass	RR	SM			
EP355/EP356	7-Jun-10	Parcel 205/Detention Basin 6	BOS	0+36	30	29	8:05	8:10	Pass	RR	SM	R 751 @ 0+36		
EP355/EP356	7-Jun-10	Parcel 205/Detention Basin 6	0+36	EOS	30	30	8:15	8:20	Pass	RR	SM			
EP357/EP358	8-Jun-10	Parcel 201 Bump-out	BOS	EOS	31	28	16:14	16:19	Pass	RR	SM	R 761/DS 179		
EP358/EP359	8-Jun-10	Parcel 201 Bump-out	BOS	EOS	30	27	16:23	16:28	Pass	RR	SM			
EP359/EP360	8-Jun-10	Parcel 201 Bump-out	BOS	EOS	30	29	16:30	16:35	Pass	RR	SM			
EP360/EP361	8-Jun-10	Parcel 201 Bump-out	BOS	EOS	30	28	16:40	16:45	Pass	RR	SM			
EP362/EP363	24-Aug-10	East AOI-6	BOS	0+50	30	30	14:05	14:10	Pass	JW	SM	R 773/774 @ 0+50 to 0+51		
EP362/EP363	24-Aug-10	East AOI-6	0+51	EOS	30	28	14:05	14:10	Pass	JW	SM			
EP364/EP365	24-Aug-10	East AOI-6	BOS	EOS	30	29	14:45	14:50	Pass	JW	SM			
EP363/EP364	24-Aug-10	East AOI-6	BOS	1+15	30	29	15:02	15:07	Pass	JW	SM	R 775 @ 1+15		
EP363/EP364	24-Aug-10	East AOI-6	1+15	EOS	30	30	15:13	15:18	Pass	JW	SM			
EP366/EP367	24-Aug-10	East AOI-6	0+23	0+81	30	29	15:50	15:55	Pass	JW	SM	R 782 @ BOS to 0+23		
EP364/EP367	24-Aug-10	East AOI-6	0+85	1+05	30	28	15:38	15:43	Pass	JW	SM			
EP365/EP367	24-Aug-10	East AOI-6	1+05	EOS	33	30	15:38	15:43	Pass	JW	SM			
EP367/EP368	24-Aug-10	East AOI-6	BOS	EOS	30	30	16:38	16:43	Pass	JW	SM			
EP368/EP369	24-Aug-10	East AOI-6	BOS	0+75	30	28	17:10	17:15	Pass	JW	SM	R 779 @ 0+75		
EP368/EP369	24-Aug-10	East AOI-6	0+75	0+88	30	28	17:00	17:05	Pass	JW	SM	R 783 @ 0+88 to 0+93		
EP368/EP369	24-Aug-10	East AOI-6	0+93	EOS	30	30	16:51	16:56	Pass	JW	SM			
EP369/EP370	24-Aug-10	East AOI-6	BOS	0+25	30	28	17:25	17:30	Pass	JW	SM	R 820 @ 0+25		
EP369/EP370	24-Aug-10	East AOI-6	0+25	EOS	30	30	17:40	17:45	Pass	JW	SM			
EP370/EP371	24-Aug-10	East AOI-6	BOS	EOS	30	30	17:51	17:56	Pass	JW	SM			
EP370/EP372	24-Aug-10	East AOI-6	BOS	EOS	30	28	17:45	17:50	Pass	JW	SM			
EP371/EP372	24-Aug-10	East AOI-6	0+05	EOS	30	30	18:15	18:20	Pass	JW	SM	R 784 @ BOS to 0+05		
EP371/EP373	24-Aug-10	East AOI-6	BOS	EOS	30	28	18:25	18:30	Pass	JW	SM			
EP372/EP373	24-Aug-10	East AOI-6	BOS	EOS	30	30	18:25	18:30	Pass	JW	SM			
EP242/EP373	25-Aug-10	East AOI-6	BOS	EOS	30	30	7:50	7:55	Pass	JW	SM			
EP242/EP372	25-Aug-10	East AOI-6	BOS	EOS	30	30	8:02	8:07	Pass	JW	SM			

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP242/EP370	25-Aug-10	East AOI-6	BOS	EOS	30	30	8:02	8:07	Pass	JW	SM		
EP242/EP369	25-Aug-10	East AOI-6	BOS	EOS	30	30	8:09	8:14	Pass	JW	SM		
EP242/EP368	25-Aug-10	East AOI-6	BOS	EOS	30	30	8:09	8:14	Pass	JW	SM		
EP242/EP367	25-Aug-10	East AOI-6	0+09	EOS	30	29	8:30	8:35	Pass	JW	SM	R 790 @ BOS to 0+09	
EP242/EP363	25-Aug-10	East AOI-6	BOS	EOS	30	30	8:30	8:35	Pass	JW	SM		
EP242/EP362	25-Aug-10	East AOI-6	BOS	EOS	30	30	8:52	8:57	Pass	JW	SM		
EP373/EP374	25-Aug-10	East AOI-6	BOS	EOS	30	30	10:05	10:10	Pass	JW	SB		
EP373/EP379	25-Aug-10	East AOI-6	BOS	EOS	30	30	13:10	13:15	Pass	JW	SB		
EP373/EP381	25-Aug-10	East AOI-6	BOS	EOS	30	30	13:10	13:15	Pass	JW	SB		
EP373/EP382	25-Aug-10	East AOI-6	BOS	EOS	30	30	13:10	13:15	Pass	JW	SB		
EP373/EP383	26-Aug-10	East AOI-6	BOS	EOS	30	30	8:00	8:05	Pass	JW	SB		
EP373/EP386	26-Aug-10	East AOI-6	BOS	EOS	30	28	8:00	8:05	Pass	JW	SB		
EP386/EP383	26-Aug-10	North AOI-6	BOS	EOS	30	30	9:50	9:55	Pass	JW	SB		
EP384/EP386	26-Aug-10	North AOI-6	BOS	EOS	30	30	9:50	9:55	Pass	JW	SB		
EP385/EP386	26-Aug-10	North AOI-6	0+09	EOS	30	30	9:20	9:25	Pass	JW	SB	R 833 @ BOS to 0+09	
EP383/EP384	26-Aug-10	North AOI-6	BOS	EOS	30	30	9:35	9:40	Pass	JW	SB		
EP382/EP383	26-Aug-10	North AOI-6	BOS	EOS	30	30	9:50	9:55	Pass	JW	SB		
EP382/EP384	26-Aug-10	North AOI-6	BOS	EOS	30	30	9:35	9:40	Pass	JW	SB		
EP384/EP385	26-Aug-10	North AOI-6	BOS	EOS	30	30	9:35	9:40	Pass	JW	SB		
EP382/EP385	26-Aug-10	North AOI-6	BOS	EOS	30	30	9:28	9:33	Pass	JW	SB		
EP381/EP380	25-Aug-10	North AOI-6	BOS	EOS	30	29	11:15	11:20	Pass	JW	SB		
EP381/EP379	25-Aug-10	North AOI-6	BOS	EOS	30	28	11:15	11:20	Pass	JW	SB		
EP379/EP380	25-Aug-10	North AOI-6	BOS	EOS	30	28	11:15	11:20	Pass	JW	SB		
EP379/EP374	25-Aug-10	North AOI-6	BOS	EOS	30	28	11:02	11:07	Pass	JW	SB		
EP379/EP375	25-Aug-10	North AOI-6	BOS	EOS	30	30	10:53	10:58	Pass	JW	SB		
EP379/EP376	25-Aug-10	North AOI-6	BOS	EOS	30	29	10:53	10:58	Pass	JW	SB		
EP379/EP377	25-Aug-10	North AOI-6	BOS	0+06	30	30	10:53	10:58	Pass	JW	SB	R 798 @ 0+06	
EP379/EP377	25-Aug-10	North AOI-6	0+06	EOS	30	29	10:43	10:48	Pass	JW	SB		
EP379/EP378	25-Aug-10	North AOI-6	BOS	EOS	30	30	10:43	10:48	Pass	JW	SB		
EP374/EP375	25-Aug-10	North AOI-6	BOS	EOS	30	30	10:05	10:10	Pass	JW	SB		
EP375/EP376	25-Aug-10	North AOI-6	BOS	EOS	30	29	10:05	10:10	Pass	JW	SB		
EP376/EP377	25-Aug-10	North AOI-6	BOS	0+41	30	28	10:26	10:31	Pass	JW	SB	R 800 @ 0+41	
EP376/EP377	25-Aug-10	North AOI-6	0+41	EOS	30	30	10:26	10:31	Pass	JW	SB		
EP377/EP378	25-Aug-10	North AOI-6	BOS	EOS	30	30	10:23	10:28	Pass	JW	SB		
EP378/EP394	25-Aug-10	North AOI-6	BOS	EOS	30	30	16:00	16:05	Pass	JW	SB		
EP379/EP394	25-Aug-10	North AOI-6	BOS	0+08	30	30	15:37	15:42	Pass	JW	SB	R 807 @ 0+08	
EP379/EP394	25-Aug-10	North AOI-6	0+08	EOS	30	30	15:37	15:42	Pass	JW	SB		
EP394/EP380	25-Aug-10	North AOI-6	BOS	EOS	30	30	15:37	15:42	Pass	JW	SB		
EP242/EP386	26-Aug-10	North AOI-6	BOS	EOS	30	30	8:00	8:05	Pass	JW	SB		
EP242/EP401	26-Aug-10	North AOI-6	BOS	0+11	30	30	10:10	10:15	Pass	JW	SB		
EP242/EP401	26-Aug-10	North AOI-6	0+11	0+35	30	30	10:10	10:15	Pass	JW	SB	R 825 @ 0+35 to 0+41	
EP242/EP401	26-Aug-10	North AOI-6	0+41	EOS	30	30	10:10	10:15	Pass	JW	SB		
EP401/EP386	26-Aug-10	North AOI-6	BOS	EOS	30	30	9:20	9:25	Pass	JW	SB		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP394/EP395	25-Aug-10	North AOI-6	BOS	0+80	30	29	16:33	16:38	Pass	JW	SB	R 838 @ 0+80 to 0+84	
EP394/EP395	25-Aug-10	North AOI-6	0+84	0+88	30	30	16:30	16:35	Pass	JW	SB	R 837 @ 0+88 to 0+95	
EP394/EP395	25-Aug-10	North AOI-6	0+95	EOS	30	30	16:37	16:42	Pass	JW	SB		
EP395/EP396	25-Aug-10	North AOI-6	BOS	0+51	30	30	16:49	16:54	Pass	JW	SB	R 840 @ 0+51 to 0+54	
EP395/EP396	25-Aug-10	North AOI-6	0+54	EOS	30	30	16:49	16:54	Pass	JW	SB		
EP396/EP397	25-Aug-10	North AOI-6	BOS	EOS	30	30	17:45	17:50	Pass	JW	SB	R 841 @ BOS	
EP397/EP400	26-Aug-10	North AOI-6	BOS	EOS	30	30	7:45	7:50	Pass	JW	SB	R 844 @ 0+92	
EP399/EP397	26-Aug-10	North AOI-6	BOS	EOS	30	30	7:45	7:50	Pass	JW	SB		
EP397/EP398	26-Aug-10	North AOI-6	BOS	EOS	30	30	7:45	7:50	Pass	JW	SB		
EP397/EP393	26-Aug-10	North AOI-6	BOS	EOS	30	30	8:00	8:05	Pass	JW	SB		
EP397/EP392	26-Aug-10	North AOI-6	BOS	EOS	30	30	8:00	8:05	Pass	JW	SB		
EP399/EP400	26-Aug-10	North AOI-6	BOS	EOS	30	30	17:20	17:25	Pass	JW	SB		
EP399/EP398	26-Aug-10	North AOI-6	BOS	EOS	30	28	17:20	17:25	Pass	JW	SB		
EP398/EP393	26-Aug-10	North AOI-6	BOS	EOS	30	29	17:20	17:25	Pass	JW	SB		
EP393/EP392	26-Aug-10	North AOI-6	BOS	0+18	30	30	14:50	14:55	Pass	JW	SB	R 859 @ 0+18 to 0+20	
EP393/EP392	26-Aug-10	North AOI-6	0+20	0+28	30	30	14:50	14:55	Pass	JW	SB	R 860 @ 0+20 to 0+28	
EP393/EP392	26-Aug-10	North AOI-6	0+30	EOS	30	30	14:50	14:55	Pass	JW	SB		
EP392/EP391	25-Aug-10	North AOI-6	BOS	0+46	30	30	14:35	14:40	Pass	JW	SB	R 856 @ 0+46 to 0+48 ⁽¹⁾	
EP392/EP391	25-Aug-10	North AOI-6	0+48	0+58	30	30	14:35	14:40	Pass	JW	SB	R 857 @ 0+58 to 0+60 ⁽¹⁾	
EP392/EP391	25-Aug-10	North AOI-6	0+60	EOS	30	30	14:35	14:40	Pass	JW	SB	R 858 @ 0+69 ⁽¹⁾	
EP391/EP390	25-Aug-10	North AOI-6	BOS	0+28	30	30	14:23	14:28	Pass	JW	SB	R 852 @ 0+28 to 0+32	
EP391/EP390	25-Aug-10	North AOI-6	0+32	0+46	30	30	14:23	14:28	Pass	JW	SB	R 816/DS 188 @ 0+46 to 0+49	
EP391/EP390	25-Aug-10	North AOI-6	0+49	EOS	30	30	14:23	14:28	Pass	JW	SB		
EP390/EP389	25-Aug-10	North AOI-6	BOS	EOS	30	30	14:05	14:10	Pass	JW	SB		
EP389/EP388	25-Aug-10	North AOI-6	BOS	0+13	30	30	13:40	13:45	Pass	JW	SB	R 882 @ 0+13 to 0+14	
EP389/EP388	25-Aug-10	North AOI-6	0+14	0+30	30	30	13:40	13:45	Pass	JW	SB	R 880 @ 0+30 to 0+36	
EP389/EP388	25-Aug-10	North AOI-6	0+36	EOS	30	29	14:00	14:05	Pass	JW	SB		
EP388/EP387	25-Aug-10	North AOI-6	BOS	EOS	30	30	13:40	13:45	Pass	JW	SB		
EP392/EP54	26-Aug-10	North AOI-6/EAOI-10	BOS	EOS	30	30	10:50	10:55	Pass	JW	SB		
EP391/EP51	26-Aug-10	North AOI-6/EAOI-10	BOS	EOS	30	30	11:00	11:05	Pass	JW	SB		
EP382/EP381	26-Aug-10	North AOI-6	BOS	EOS	30	30	11:40	11:45	Pass	JW	SB		
EP382/EP380	26-Aug-10	North AOI-6	BOS	EOS	30	30	11:40	11:45	Pass	JW	SB		
EP403/EP404	31-Aug-10	East AOI-11	BOS	0+15	30	30	10:55	11:00	Pass	JW	SM	R 906 @ 0+15	
EP403/EP404	31-Aug-10	East AOI-11	0+15	EOS	30	29	10:10	10:15	Pass	JW	SM		
EP402/EP362	31-Aug-10	East AOI-6	BOS	0+26	30	30	9:25	9:30	Pass	JW	SM	R 889 @ 0+26 to 0+28	
EP402/EP362	31-Aug-10	East AOI-6	0+28	0+56	30	30	9:25	9:30	Pass	JW	SM	R 886 @ 0+56 to 0+60	
EP402/EP362	31-Aug-10	East AOI-6	0+60	0+80	30	30	9:15	9:20	Pass	JW	SM	R 917 @ 0+80	
EP402/EP362	31-Aug-10	East AOI-6	0+80	EOS	30	30	9:00	9:05	Pass	JW	SM		
EP404/EP405	31-Aug-10	East AOI-11	BOS	0+52	30	30	10:50	10:55	Pass	JW	SM	R 893 @ 0+52 to 0+70	
EP404/EP405	31-Aug-10	East AOI-11	0+70	1+03	30	28	10:25	10:30	Pass	JW	SM	R 895/896 @ 1+03 to 1+07	
EP404/EP405	31-Aug-10	East AOI-11	1+07	1+15	30	30	10:20	10:25	Pass	JW	SM	R 898 @ 1+15	
EP404/EP405	31-Aug-10	East AOI-11	1+15	EOS	30	30	10:15	10:20	Pass	JW	SM		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP405/EP406	31-Aug-10	East AOI-11	BOS	EOS	30	30	11:10	11:15	Pass	JW	SM		
EP406/EP407	31-Aug-10	East AOI-11	BOS	1+18	30	30	11:35	11:40	Pass	JW	SM	R 909 @ 1+18	
EP406/EP407	31-Aug-10	East AOI-11	1+18	EOS	30	30	12:57	13:02	Pass	JW	SM		
EP407/EP408	31-Aug-10	East AOI-11	BOS	0+80	30	30	13:15	13:20	Pass	JW	SM		
EP407/EP408	31-Aug-10	East AOI-11	0+80	EOS	-	-	-	-	Pass	TV	SM	Vac tested (extrusion weld)	
EP408/EP409	31-Aug-10	East AOI-11	BOS	EOS	-	-	-	-	Pass	TV	SM	Vac tested (extrusion weld)	
EP402/EP403	31-Aug-10	East AOI-6	BOS	EOS	30	29	15:25	15:30	Pass	JW	SB		
EP402/EP404	31-Aug-10	East AOI-6	BOS	EOS	30	30	15:25	15:30	Pass	JW	SB		
EP402/EP405	31-Aug-10	East AOI-6	BOS	0+10	30	29	15:20	15:25	Pass	JW	SB	R 926 @ 0+10	
EP402/EP405	31-Aug-10	East AOI-6	0+10	EOS	30	30	15:10	15:15	Pass	JW	SB		
EP402/EP406	31-Aug-10	East AOI-6	BOS	EOS	30	30	15:10	15:15	Pass	JW	SB		
EP402/EP407	31-Aug-10	East AOI-6	BOS	EOS	30	30	15:10	15:15	Pass	JW	SB		
EP402/EP238	31-Aug-10	East AOI-6	BOS	EOS	30	30	14:50	14:55	Pass	JW	SB		
EP402/EP237	31-Aug-10	East AOI-6	BOS	EOS	30	30	14:50	14:55	Pass	JW	SB		
EP402/EP236	31-Aug-10	East AOI-6	BOS	EOS	30	29	14:50	14:55	Pass	JW	SB		
EP451/EP450	21-Sep-10	East of AOI-7	BOS	0+45	30	30	13:20	13:25	Pass	MK	SB	R 941 @ 0+45 to 0+50	
EP451/EP450	21-Sep-10	East of AOI-7	0+50	EOS	30	30	13:20	13:25	Pass	MK	SB		
EP449/EP450	21-Sep-10	East of AOI-7	BOS	EOS	30	30	13:20	13:25	Pass	MK	SB		
EP449/EP448	21-Sep-10	East of AOI-7	BOS	EOS	30	30	13:29	13:34	Pass	MK	SB		
EP447/EP448	21-Sep-10	East of AOI-7	BOS	EOS	30	30	13:29	13:34	Pass	MK	SB		
EP446/EP447	21-Sep-10	East of AOI-7	BOS	EOS	30	30	13:29	13:34	Pass	MK	SB		
EP445/EP446	21-Sep-10	East of AOI-7	BOS	EOS	30	30	13:40	13:45	Pass	MK	SB		
EP444/EP445	21-Sep-10	East of AOI-7	0+08	0+44	30	29	13:40	13:45	Pass	MK	SB	R 949 @ BOS to 0+08	
EP444/EP445	21-Sep-10	East of AOI-7	0+48	EOS	30	30	13:40	13:45	Pass	MK	SB	R 950 @ 0+44 to 0+48	
EP444/EP410	21-Sep-10	East of AOI-7	BOS	EOS	30	30	13:48	13:53	Pass	MK	SB		
EP411/EP410	21-Sep-10	East AOI-5	BOS	0+45	30	30	13:48	13:53	Pass	MK	SB	R 953 @ 0+45 to 0+50	
EP411/EP410	21-Sep-10	East AOI-5	0+50	EOS	30	30	13:48	13:53	Pass	MK	SB		
EP412/EP411	21-Sep-10	East AOI-5	BOS	0+40	30	30	14:01	14:06	Pass	MK	SB	R 959 @ 0+40 to 0+45	
EP412/EP411	21-Sep-10	East AOI-5	0+45	0+65	30	30	14:10	14:15	Pass	MK	SB	R 958 @ 0+65 to 0+66	
EP412/EP411	21-Sep-10	East AOI-5	0+66	EOS	30	30	14:10	14:15	Pass	MK	SB		
EP411/EP413	21-Sep-10	East AOI-5	BOS	1+21	30	30	14:10	14:15	Pass	MK	SB	R 957 @ 1+21 to EOS	
EP413/EP412	21-Sep-10	East AOI-5	BOS	EOS	30	30	14:20	14:25	Pass	MK	SB		
EP413/EP414	21-Sep-10	East AOI-5	BOS	EOS	30	30	14:20	14:25	Pass	MK	SB		
EP412/EP414	21-Sep-10	East AOI-5	BOS	EOS	30	30	14:20	14:25	Pass	MK	SB		
EP414/EP415	21-Sep-10	East AOI-5	BOS	EOS	30	30	14:31	14:36	Pass	MK	SB		
EP415/EP416	21-Sep-10	East AOI-5	BOS	EOS	30	30	14:31	14:36	Pass	MK	SB		
EP416/EP417	21-Sep-10	East AOI-5	BOS	0+17	30	30	14:40	14:45	Pass	MK	SB	R 990 @ 0+17 to 0+18	
EP416/EP417	21-Sep-10	East AOI-5	0+18	0+43	30	30	14:40	14:45	Pass	MK	SB	R 989 @ 0+43 to 0+47	
EP416/EP417	21-Sep-10	East AOI-5	0+47	EOS	30	30	14:40	14:45	Pass	MK	SB		
EP417/EP418	21-Sep-10	East AOI-5	BOS	0+40	30	30	14:47	14:53	Pass	MK	SB	R 991 @ 0+40 to 0+41	
EP417/EP418	21-Sep-10	East AOI-5	0+41	0+49	30	30	14:47	14:53	Pass	MK	SB	R 992 @ 0+49 to 0+54	
EP417/EP418	21-Sep-10	East AOI-5	0+54	EOS	30	30	14:47	14:53	Pass	MK	SB		
EP417/EP419	21-Sep-10	East AOI-5	BOS	EOS	30	30	14:55	15:00	Pass	MK	SB		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP418/EP419	21-Sep-10	East AOI-5	BOS	EOS	30	30	14:55	15:00	Pass	MK	SB		
EP418/EP420	21-Sep-10	East AOI-5	BOS	EOS	30	30	14:55	15:00	Pass	MK	SB		
EP419/EP420	21-Sep-10	East AOI-5	BOS	EOS	30	30	15:06	15:11	Pass	MK	SB		
EP420/EP421	21-Sep-10	East AOI-5	BOS	EOS	30	30	15:06	15:11	Pass	MK	SB		
EP421/EP422	21-Sep-10	East AOI-5	BOS	EOS	30	30	15:06	15:11	Pass	MK	SB		
EP422/EP423	21-Sep-10	East AOI-5	BOS	EOS	30	30	15:25	15:30	Pass	MK	SB		
EP423/EP424	21-Sep-10	East AOI-5	BOS	0+47	30	30	15:25	15:30	Pass	MK	SB	R 995 @ 0+47 to 0+49	
EP423/EP424	21-Sep-10	East AOI-5	0+49	0+91	30	30	15:25	15:30	Pass	MK	SB	R 999 @ 0+91 to EOS	
EP423/EP425	21-Sep-10	East AOI-5	BOS	EOS	30	30	15:35	15:40	Pass	MK	SB		
EP424/EP425	21-Sep-10	East AOI-5	BOS	EOS	30	30	15:35	15:40	Pass	MK	SB		
EP424/EP426	21-Sep-10	East AOI-5	0+13	0+30	30	30	15:41	15:46	Pass	MK	SB	R 998 @ BOS to 0+12 R 997 @ 0+12 to 0+13 R 996 @ 0+30 to 0+45	
EP424/EP426	21-Sep-10	East AOI-5	0+45	EOS	30	30	15:41	15:46	Pass	MK	SB		
EP425/EP426	21-Sep-10	East AOI-5	BOS	EOS	30	30	15:35	15:40	Pass	MK	SB		
EP426/EP427	22-Sep-10	East AOI-5	BOS	EOS	30	30	7:20	7:25	Pass	MK	SB		
EP427/EP428	22-Sep-10	East AOI-5	BOS	EOS	30	30	7:20	7:25	Pass	MK	SB		
EP428/EP429	22-Sep-10	East AOI-5	BOS	EOS	30	30	7:20	7:25	Pass	MK	SB		
EP429/EP430	22-Sep-10	East AOI-5	BOS	EOS	30	30	7:31	7:36	Pass	MK	SB		
EP429/EP431	22-Sep-10	East AOI-5	BOS	EOS	30	30	7:31	7:36	Pass	MK	SB		
EP430/EP431	22-Sep-10	East AOI-5	BOS	EOS	30	30	7:31	7:36	Pass	MK	SB		
EP430/EP432	22-Sep-10	East AOI-5	BOS	0+15	30	30	7:45	7:50	Pass	MK	SB	R 1025 @ 0+15 to 0+16	
EP430/EP432	22-Sep-10	East AOI-5	0+16	0+25	30	30	7:38	7:43	Pass	MK	SB	R 1002 @ 0+25 to 0+26	
EP430/EP432	22-Sep-10	East AOI-5	0+26	EOS	30	30	7:38	7:43	Pass	MK	SB		
EP432/EP431	22-Sep-10	East AOI-5	BOS	EOS	30	30	7:38	7:43	Pass	MK	SB		
EP432/EP433	22-Sep-10	East AOI-5	BOS	0+31	30	30	7:57	8:02	Pass	MK	SB	R 1005 @ 0+31 to 0+36	
EP432/EP433	22-Sep-10	East AOI-5	0+36	EOS	30	30	7:57	8:02	Pass	MK	SB		
EP433/EP443	22-Sep-10	East AOI-5	BOS	EOS	30	30	8:17	8:22	Pass	MK	SB		
EP443/EP442	22-Sep-10	East AOI-5	BOS	EOS	30	30	8:06	8:11	Pass	MK	SB		
EP433/EP442	22-Sep-10	East AOI-5	0+05	EOS	30	30	8:17	8:22	Pass	MK	SB	R 1026 @ BOS to 0+05	
EP442/EP441	22-Sep-10	East AOI-5	BOS	EOS	30	30	8:06	8:11	Pass	MK	SB		
EP433/EP441	22-Sep-10	East AOI-5	BOS	EOS	30	30	8:17	8:22	Pass	MK	SB		
EP441/EP440	22-Sep-10	East AOI-5	BOS	EOS	30	30	18:13	18:18	Pass	MK	SB		
EP433/EP440	22-Sep-10	East AOI-5	BOS	EOS	30	30	18:13	18:18	Pass	MK	SB		
EP440/EP439	22-Sep-10	East AOI-5	BOS	0+23	30	30	18:06	18:11	Pass	MK	SB	R 1031 @ 0+23 to 0+24	
EP440/EP439	22-Sep-10	East AOI-5	0+24	EOS	30	30	18:06	18:11	Pass	MK	SB		
EP440/EP434	22-Sep-10	East AOI-5	BOS	EOS	30	30	18:06	18:11	Pass	MK	SB		
EP433/EP434	22-Sep-10	East AOI-5	BOS	1+40	30	30	8:25	8:30	Pass	MK	SB	R 1010 @ 1+40 to 1+48	
EP433/EP434	22-Sep-10	East AOI-5	1+48	EOS	30	30	8:25	8:30	Pass	MK	SB		
EP434/EP439	22-Sep-10	East AOI-5	BOS	EOS	30	30	8:46	8:51	Pass	MK	SB		
EP439/EP438	22-Sep-10	East AOI-5	BOS	EOS	30	30	17:59	18:04	Pass	MK	SB		
EP434/EP438	22-Sep-10	East AOI-5	BOS	EOS	30	30	8:46	8:51	Pass	MK	SB		
EP438/EP437	22-Sep-10	East AOI-5	BOS	EOS	30	30	17:56	18:01	Pass	MK	SB		
EP434/EP437	22-Sep-10	East AOI-5	BOS	EOS	30	30	8:38	8:43	Pass	MK	SB		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP437/EP436	22-Sep-10	East AOI-5	BOS	EOS	30	30	17:53	17:58	Pass	MK	SB		
EP434/EP436	22-Sep-10	East AOI-5	BOS	EOS	30	30	8:38	8:43	Pass	MK	SB		
EP436/EP435	22-Sep-10	East AOI-5	BOS	0+22	30	30	17:52	17:57	Pass	MK	SB	R 1035 @ 0+22 to 0+26	
EP436/EP435	22-Sep-10	East AOI-5	0+26	EOS	30	30	17:52	17:57	Pass	MK	SB		
EP434/EP435	22-Sep-10	East AOI-5	BOS	EOS	30	30	8:38	8:43	Pass	MK	SB		
EP435/EP127	22-Sep-10	East AOI-5	BOS	0+15	30	30	17:45	17:50	Pass	MK	SB	R 1039 @ 0+15 to 0+30	
EP435/EP127	22-Sep-10	East AOI-5	0+30	EOS	30	28	17:40	17:45	Pass	MK	SB		
EP434/EP127	22-Sep-10	East AOI-5	BOS	EOS	30	30	17:38	17:43	Pass	MK	SB		
EP433/EP127	22-Sep-10	East AOI-5	BOS	EOS	30	29	17:34	17:39	Pass	MK	SB		
EP433/EP126	22-Sep-10	East AOI-5	BOS	EOS	-	-	-	-	Fail	MK	SB	R 1008	
EP433/EP131	22-Sep-10	East AOI-5	BOS	EOS	30	30	8:26	8:31	Pass	MK	SB		
EP432/EP131	22-Sep-10	East AOI-5	BOS	EOS	30	30	17:22	17:27	Pass	MK	SB		
EP431/EP130	22-Sep-10	East AOI-5	BOS	EOS	30	30	17:22	17:27	Pass	MK	SB		
EP429/EP129	22-Sep-10	East AOI-5	BOS	EOS	30	30	17:22	17:27	Pass	MK	SB		
EP428/EP128	22-Sep-10	East AOI-5	BOS	EOS	30	30	17:12	17:17	Pass	MK	SB		
EP105/EP427	22-Sep-10	East AOI-5	BOS	EOS	30	30	17:12	17:17	Pass	MK	SB		
EP104/EP426	22-Sep-10	East AOI-5	BOS	0+09	30	30	17:12	17:17	Pass	MK	SB	R 1018 @ 0+09 to EOS	
EP102/EP425	22-Sep-10	East AOI-5	BOS	0+11	30	30	17:01	17:06	Pass	MK	SB	R 979/DS218 @ 0+11 to EOS	
EP100/EP423	22-Sep-10	East AOI-5	0+09	EOS	30	30	16:51	16:56	Pass	MK	SB	R 1017 @ BOS to 0+09	
EP132/EP422	22-Sep-10	East AOI-5	BOS	EOS	30	30	16:51	16:56	Pass	MK	SB		
EP134/EP431	22-Sep-10	East AOI-5	BOS	EOS	30	30	16:51	16:56	Pass	MK	SB		
EP136/EP420	22-Sep-10	East AOI-5	BOS	EOS	30	30	16:43	16:48	Pass	MK	SB		
EP137/EP419	22-Sep-10	East AOI-5	BOS	EOS	30	30	16:43	16:48	Pass	MK	SB		
EP138/EP417	22-Sep-10	East AOI-5	BOS	0+04	30	30	16:43	16:48	Pass	MK	SB	R 988 @ 0+04 to EOS	
EP140/EP416	22-Sep-10	East AOI-5	0+11	EOS	30	30	16:30	16:35	Pass	MK	SB	R 987 @ BOS to 0+11	
EP141/EP415	22-Sep-10	East AOI-5	BOS	EOS	-	-	-	-	Pass	MK	SB	Vac tested (extrusion weld)	
EP142/EP414	22-Sep-10	East AOI-5	BOS	EOS	30	30	16:35	16:40	Pass	MK	SB		
EP144/EP413	22-Sep-10	East AOI-5	BOS	EOS	30	30	16:28	16:33	Pass	MK	SB		
EP148/EP411	22-Sep-10	East AOI-5	BOS	EOS	30	30	16:28	16:33	Pass	MK	SB		
EP149/EP444	22-Sep-10	East AOI-7	BOS	EOS	-	-	-	-	Fail	MK	SB	R 952 (entire seam patched)	
EP146/EP410	22-Sep-10	East AOI-5	BOS	EOS	30	30	16:28	16:33	Pass	MK	SB		
EP444/P34	22-Sep-10	East AOI-7	BOS	EOS	30	30	16:21	16:26	Pass	MK	SB	Vault Tie In East Slope	
EP444/P38	22-Sep-10	East AOI-7	BOS	0+32	30	30	16:21	16:26	Pass	MK	SB	R 982 @ 0+32 to 0+35	
EP444/P38	22-Sep-10	East AOI-7	0+35	EOS	30	30	16:21	16:26	Pass	MK	SB	Vault Tie In East Slope	
P39/EP444	22-Sep-10	East AOI-7	BOS	EOS	-	-	-	-	Fail	MK	SB	R 951 (entire seam patched)	
P39/EP445	22-Sep-10	East AOI-7	BOS	EOS	30	30	16:14	16:19	Pass	MK	SB	Vault Tie In East Slope	
P40/EP445	22-Sep-10	East AOI-7	BOS	0+04	30	30	16:14	16:19	Pass	MK	SB	R 948 @ 0+04 to EOS	
P40/EP446	22-Sep-10	East AOI-7	BOS	EOS	30	30	16:07	16:12	Pass	MK	SB	Vault Tie In East Slope	
P40/EP447	22-Sep-10	East AOI-7	BOS	EOS	30	30	16:07	16:12	Pass	MK	SB	Vault Tie In East Slope	

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
P40/EP448	22-Sep-10	East AOI-7	0+10	0+15	30	30	16:00	16:05	Pass	MK	SB	R 945 @ BOS to 0+10 R 944 @ 0+15 to EOS Vault Tie In East Slope	
P40/EP449	22-Sep-10		BOS	EOS	30	30	15:50	15:55	Pass	MK	SB	Vault Tie In East Slope	
P40/EP450	22-Sep-10		BOS	EOS	30	28	15:50	15:55	Pass	MK	SB	Vault Tie In East Slope	
P40/EP451	22-Sep-10	East AOI-7	0+10	EOS	30	30	15:50	15:55	Pass	MK	SB	R 942 @ BOS to 0+10 Vault Tie In East Slope	
EP452/EP453	5-Nov-10	South AOI-4	BOS	EOS	31	30	8:51	8:56	Pass	ER	SB		
EP453/EP454	5-Nov-10	South AOI-4	BOS	EOS	31	30	9:37	9:42	Pass	ER	SB		
EP453/EP455	5-Nov-10	South AOI-4	BOS	EOS	31	31	8:51	8:56	Pass	ER	SB		
EP453/EP456	5-Nov-10	South AOI-4	BOS	EOS	31	30	9:10	9:15	Pass	ER	SB		
EP455/EP456	5-Nov-10	South AOI-4	BOS	EOS	31	30	9:10	9:15	Pass	ER	SB		
EP456/EP457	5-Nov-10	South AOI-4	0+12	EOS	31	30	9:19	9:24	Pass	ER	SB	R 1064 @ BOS to 0+12	
EP455/EP454	5-Nov-10	South AOI-4	BOS	EOS	31	31	9:42	9:47	Pass	ER	SB		
EP458/EP459	5-Nov-10	South AOI-4	BOS	EOS	31	30	9:19	9:24	Pass	ER	SB		
EP459/EP460	5-Nov-10	South AOI-4	BOS	EOS	31	30	9:30	9:35	Pass	ER	SB		
EP460/EP461	5-Nov-10	South AOI-4	BOS	EOS	31	30	9:30	9:35	Pass	ER	SB		
EP461/EP459	5-Nov-10	South AOI-4	BOS	EOS	31	30	9:30	9:35	Pass	ER	SB		
EP461/EP462	5-Nov-10	South AOI-4	BOS	EOS	31	30	9:43	9:48	Pass	ER	SB		
EP459/EP462	5-Nov-10	South AOI-4	0+07	EOS	31	31	9:43	9:48	Pass	ER	SB	R 1066 @ BOS to 0+07	
EP457/EP458	5-Nov-10	South AOI-4	BOS	0+35	31	30	9:54	9:59	Pass	ER	SB	R 1094 @ 0+35 to 0+40	
EP457/EP458	5-Nov-10	South AOI-4	0+40	EOS	31	31	9:19	9:24	Pass	ER	SB		
EP462/EP463	5-Nov-10	South AOI-4	BOS	EOS	31	31	10:01	10:06	Pass	ER	SB		
EP462/EP464	5-Nov-10	South AOI-4	BOS	EOS	31	30	10:01	10:06	Pass	ER	SB		
EP463/EP464	5-Nov-10	South AOI-4	BOS	EOS	31	30	10:01	10:06	Pass	ER	SB		
EP463/EP465	5-Nov-10	South AOI-4	BOS	EOS	31	30	10:07	10:12	Pass	ER	SB		
EP464/EP465	5-Nov-10	South AOI-4	BOS	EOS	31	30	10:07	10:12	Pass	ER	SB		
EP465/EP466	5-Nov-10	South AOI-4	BOS	EOS	31	31	10:17	10:22	Pass	ER	SB		
EP465/EP467	5-Nov-10	South AOI-4	BOS	EOS	31	30	10:17	10:22	Pass	ER	SB		
EP466/EP467	5-Nov-10	South AOI-4	BOS	EOS	31	31	10:07	10:12	Pass	ER	SB		
EP466/EP468	5-Nov-10	South AOI-4	BOS	EOS	31	31	10:26	10:31	Pass	ER	SB		
EP467/EP468	5-Nov-10	South AOI-4	BOS	EOS	31	31	10:17	10:22	Pass	ER	SB		
EP468/EP469	5-Nov-10	South AOI-4	BOS	0+48	31	31	10:28	10:33	Pass	ER	SB	R 1074 @ 0+48 to 0+50	
EP468/EP469	5-Nov-10	South AOI-4	0+50	EOS	31	30	10:26	10:31	Pass	ER	SB		
EP469/EP470	5-Nov-10	South AOI-4	BOS	EOS	31	30	13:41	13:46	Pass	ER	SB		
EP470/EP471	5-Nov-10	South AOI-4	BOS	EOS	31	31	13:41	13:46	Pass	ER	SB		
EP469/EP471	5-Nov-10	South AOI-4	BOS	EOS	31	30	13:41	13:46	Pass	ER	SB		
EP471/EP472	5-Nov-10	South AOI-4	BOS	EOS	31	31	13:48	13:53	Pass	ER	SB		
EP469/EP472	5-Nov-10	South AOI-4	BOS	EOS	31	31	13:48	13:53	Pass	ER	SB		
EP472/EP473	5-Nov-10	South AOI-4	BOS	EOS	31	31	13:48	13:53	Pass	ER	SB		
EP469/EP473	5-Nov-10	South AOI-4	BOS	EOS	31	30	13:55	14:00	Pass	ER	SB		
EP473/EP474	5-Nov-10	South AOI-4	BOS	EOS	31	30	13:55	14:00	Pass	ER	SB		
EP469/EP474	5-Nov-10	South AOI-4	BOS	EOS	31	31	13:55	14:00	Pass	ER	SB		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP474/EP475	5-Nov-10	South AOI-4	BOS	0+31	31	30	14:04	14:09	Pass	ER	SB	R 1079 @ 0+31 to 0+41	
EP474/EP475	5-Nov-10	South AOI-4	0+41	EOS	31	31	14:04	14:09	Pass	ER	SB		
EP475/EP476	5-Nov-10	South AOI-4	BOS	0+33	31	31	14:04	14:09	Pass	ER	SB	R 1080 @ 0+33 to 0+42	
EP475/EP476	5-Nov-10	South AOI-4	0+42	EOS	31	30	14:12	14:17	Pass	ER	SB		
EP476/EP477	5-Nov-10	South AOI-4	BOS	EOS	31	30	14:20	14:25	Pass	ER	SB		
EP477/E[478	5-Nov-10	South AOI-4	BOS	EOS	31	31	14:12	14:17	Pass	ER	SB		
EP477/EP479	5-Nov-10	South AOI-4	BOS	EOS	31	31	14:20	14:25	Pass	ER	SB		
EP478/EP479	5-Nov-10	South AOI-4	BOS	EOS	31	31	14:12	14:17	Pass	ER	SB		
EP479/EP480	5-Nov-10	South AOI-4	BOS	EOS	31	30	14:30	14:35	Pass	ER	SB		
EP480/EP481	6-Nov-10	South AOI-4	BOS	EOS	31	30	8:40	8:45	Pass	ER	SB		
EP481/EP482	6-Nov-10	South AOI-4	BOS	EOS	31	31	8:40	8:45	Pass	ER	SB		
EP480/EP482	6-Nov-10	South AOI-4	BOS	EOS	31	31	8:45	8:50	Pass	ER	SB		
EP482/EP483	6-Nov-10	South AOI-4	BOS	EOS	31	31	8:52	8:57	Pass	ER	SB		
EP480/EP483	6-Nov-10	South AOI-4	BOS	EOS	31	30	8:52	8:57	Pass	ER	SB		
EP483/EP484	6-Nov-10	South AOI-4	BOS	EOS	31	31	8:52	8:57	Pass	ER	SB		
EP480/EP484	6-Nov-10	South AOI-4	BOS	EOS	31	30	9:01	9:06	Pass	ER	SB		
EP485/EP486	6-Nov-10	South AOI-4	BOS	EOS	31	30	9:10	9:15	Pass	ER	SB		
EP484/EP485	6-Nov-10	South AOI-4	BOS	EOS	31	31	9:01	9:06	Pass	ER	SB		
EP480/EP485	6-Nov-10	South AOI-4	BOS	EOS	31	30	9:01	9:06	Pass	ER	SB		
EP480/EP486	6-Nov-10	South AOI-4	BOS	EOS	-	-	-	-	Fail	ER	SB	R 1086 (entire seam patched)	
EP486/EP487	6-Nov-10	South AOI-4	BOS	EOS	31	30	9:10	9:15	Pass	ER	SB		
EP487/EP488	6-Nov-10	South AOI-4	BOS	EOS	31	31	9:18	9:23	Pass	ER	SB		
EP488/EP489	6-Nov-10	South AOI-4	BOS	EOS	31	31	9:10	9:15	Pass	ER	SB		
EP487/EP489	6-Nov-10	South AOI-4	BOS	EOS	31	31	9:18	9:23	Pass	ER	SB		
EP489/EP490	6-Nov-10	South AOI-4	BOS	EOS	31	31	9:25	9:30	Pass	ER	SB		
EP487/EP490	6-Nov-10	South AOI-4	BOS	EOS	31	31	9:18	9:23	Pass	ER	SB		
EP490/EP491	6-Nov-10	South AOI-4	BOS	EOS	31	31	9:25	9:30	Pass	ER	SB		
EP487/EP491	6-Nov-10	South AOI-4	BOS	EOS	31	30	9:25	9:30	Pass	ER	SB		
EP491/EP492	6-Nov-10	South AOI-4	BOS	EOS	31	31	9:32	9:37	Pass	ER	SB		
EP491/EP493	6-Nov-10	South AOI-4	BOS	EOS	31	31	9:32	9:37	Pass	ER	SB		
EP492/EP493	6-Nov-10	South AOI-4	BOS	EOS	31	30	9:32	9:37	Pass	ER	SB		
EP493/EP494	6-Nov-10	South AOI-4	BOS	EOS	31	30	9:39	9:44	Pass	ER	SB		
EP492/EP494	6-Nov-10	South AOI-4	BOS	EOS	31	31	9:39	9:44	Pass	ER	SB		
EP494/EP495	6-Nov-10	South AOI-4	BOS	EOS	31	30	9:39	9:44	Pass	ER	SB		
EP495/EP496	6-Nov-10	South AOI-4	BOS	EOS	31	31	9:47	9:52	Pass	ER	SB		
EP496/EP497	6-Nov-10	South AOI-4	BOS	EOS	31	31	9:47	9:52	Pass	ER	SB		
EP497/EP498	6-Nov-10	South AOI-4	BOS	EOS	31	31	9:47	9:52	Pass	ER	SB		
EP498/EP499	6-Nov-10	South AOI-4	BOS	EOS	31	30	9:53	9:58	Pass	ER	SB		
EP499/EP451	6-Nov-10	South AOI-4	BOS	EOS	-	-	-	-	Pass	ER	SB	Vac tested (extrusion weld)	
EP98/EP500	22-Jun-11	South East AOI-4	BOS	1+87	30	30	10:22	10:24	Pass	RA	SB	R 1103 @ 1+87	
EP98/EP500	22-Jun-11	South East AOI-4	1+87	EOS	30	30	9:55	9:57	Pass	RA	SB		
EP99/EP500	22-Jun-11	South East AOI-4	BOS	EOS	30	30	11:12	11:14	Pass	RA	SB		
EP501/EP502	22-Jun-11	South East AOI-4	BOS	EOS	30	30	10:14	10:16	Pass	RA	SB		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP500/EP502	22-Jun-11	South East AOI-4	BOS	2+00	30	30	10:38	10:40	Pass	RA	SB	R 1115 @ 2+00 to 2+04	
EP500/EP502	22-Jun-11	South East AOI-4	2+04	EOS	30	30	11:23	11:25	Pass	RA	SB		
EP502/EP504	22-Jun-11	South East AOI-4	BOS	2+72	30	30	14:44	14:46	Pass	RA	SB	R 1113 @ 2+72 to 3+04	
EP502/EP504	22-Jun-11	South East AOI-4	3+04	EOS	30	29	14:51	14:53	Pass	RA	SB		
EP502/EP503	22-Jun-11	South East AOI-4	BOS	1+63	30	30	13:08	13:10	Pass	JC	SB	R 1105 @ 1+63	
EP502/EP503	22-Jun-11	South East AOI-4	1+63	EOS	30	30	11:55	11:57	Pass	JC	SB		
EP501/EP505	22-Jun-11	South East AOI-4	BOS	EOS	30	30	13:10	13:12	Pass	JC	SB		
EP500/EP501	22-Jun-11	South East AOI-4	BOS	EOS	30	30	13:15	13:17	Pass	JC	SB		
EP504/EP506	22-Jun-11	South East AOI-4	BOS	2+15	30	30	15:48	15:50	Pass	RA	SB	R 1109 @ 2+15	
EP504/EP506	22-Jun-11	South East AOI-4	2+15	2+29	30	30	15:39	15:41	Pass	RA	SB	R 1110 @ 2+29	
EP504/EP506	22-Jun-11	South East AOI-4	2+29	2+57	30	30	15:39	15:41	Pass	RA	SB	R 1111 @ 2+57 to 2+60	
EP504/EP506	22-Jun-11	South East AOI-4	2+60	2+71	30	30	15:27	15:29	Pass	RA	SB	R 1112 @ 2+71	
EP504/EP506	22-Jun-11	South East AOI-4	2+71	EOS	30	29	15:33	15:35	Pass	RA	SB		
EP506/EP507	22-Jun-11	South East AOI-4	BOS	EOS	30	29	16:12	16:14	Pass	RA	SB		
EP507/EP511	22-Jun-11	South East AOI-4	BOS	EOS	30	30	16:23	16:25	Pass	RA	SB		
EP508/EP511	22-Jun-11	South East AOI-4	BOS	EOS	30	30	16:06	16:08	Pass	RA	SB		
EP508/EP509	22-Jun-11	South East AOI-4	BOS	EOS	30	30	16:07	16:09	Pass	RA	SB		
EP509/EP510	22-Jun-11	South East AOI-4	BOS	EOS	30	30	16:08	16:10	Pass	RA	SB		
EP506/EP511	23-Jun-11	North East AOI-4	BOS	0+21	30	30	8:05	8:07	Pass	JC	SB	R 1117 @ 0+21	
EP506/EP511	22-Jun-11	North East AOI-4	0+21	0+66	30	30	8:02	8:05	Pass	JC	SB	R 1116 @ 0+66	
EP506/EP511	22-Jun-11	North East AOI-4	0+66	EOS	30	30	8:00	8:02	Pass	JC	SB		
EP502/EP99	22-Jun-11	North East AOI-4	BOS	EOS	30	30	10:38	10:40	Pass	RA	SB		
EP503/EP504	22-Jun-11	North East AOI-4	BOS	EOS	30	30	15:50	15:52	Pass	RA	SB		
EP503/EP505	22-Jun-11	North East AOI-4	BOS	EOS	30	30	15:50	15:52	Pass	RA	SB		
EP505/EP504	22-Jun-11	North East AOI-4	BOS	EOS	30	29	15:53	15:55	Pass	RA	SB		
EP513/EP512	23-Jun-11	North East AOI-4	BOS	EOS	30	30	8:58	9:00	Pass	JC	SB		
EP512/EP511	23-Jun-11	North East AOI-4	BOS	EOS	30	30	8:57	8:59	Pass	JC	SB		
EP504/EP511	23-Jun-11	South East AOI-4	BOS	EOS	30	30	7:59	8:01	Pass	JC	SB		
EP506/EP511	23-Jun-11	South East AOI-4	BOS	2+31	30	30	8:05	8:07	Pass	JC	SB	R 1117 @ 2+31	
EP506/EP511	23-Jun-11	South East AOI-4	2+31	2+45	30	30	8:02	8:05	Pass	JC	SB	R 1116 @ 2+45	
EP506/EP511	23-Jun-11	South East AOI-4	2+45	EOS	30	30	8:05	8:07	Pass	JC	SB		
EP512/EP508	23-Jun-11	South East AOI-4	BOS	EOS	30	30	10:05	10:07	Pass	RA	SB		
EP513/EP509	23-Jun-11	South East AOI-4	BOS	EOS	30	30	10:07	10:09	Pass	RA	SB		
EP514/EP510	23-Jun-11	South East AOI-4	BOS	EOS	30	30	10:07	10:09	Pass	RA	SB		
EP513/EP514	23-Jun-11	South East AOI-4	BOS	EOS	30	30	9:13	9:15	Pass	JC	SB		
EP514/EP515	23-Jun-11	South East AOI-4	BOS	EOS	30	30	9:10	9:12	Pass	JC	SB		
EP513/EP515	23-Jun-11	South East AOI-4	BOS	EOS	30	30	9:12	9:14	Pass	JC	SB		
EP510/EP516	23-Jun-11	South East AOI-4	BOS	EOS	30	30	11:13	11:15	Pass	RA	SB		
EP516/EP518	23-Jun-11	South East AOI-4	BOS	EOS	30	29	11:15	11:17	Pass	RA	SB		
EP516/EP517	23-Jun-11	South East AOI-4	BOS	1+48	30	29	11:30	11:32	Pass	RA	SB	R 1134 @ 1+48	
EP516/EP517	23-Jun-11	South East AOI-4	1+48	EOS	30	30	11:23	11:25	Pass	JC	SB		
EP518/EP517	23-Jun-11	South East AOI-4	BOS	EOS	30	30	11:24	11:26	Pass	JC	SB		
EP518/EP519	23-Jun-11	South East AOI-4	BOS	EOS	30	30	11:19	11:21	Pass	JC	SB		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP517/EP519	23-Jun-11	South East AOI-4	BOS	0+48	30	30	13:07	13:09	Pass	JC	SB	R 1131 @ 0+48 to 0+55	
EP517/EP519	23-Jun-11	South East AOI-4	0+55	EOS	30	30	11:48	11:50	Pass	JC	SB		
EP519/EP521	23-Jun-11	South East AOI-4	BOS	EOS	30	30	14:56	14:58	Pass	JC	SB		
EP520/EP521	23-Jun-11	South East AOI-4	BOS	EOS	30	30	15:10	15:12	Pass	JC	SB		
EP519/EP520	23-Jun-11	South East AOI-4	BOS	EOS	30	30	15:12	15:14	Pass	JC	SB		
EP520/EP522	23-Jun-11	South East AOI-4	BOS	EOS	30	28	15:05	15:07	Pass	JC	SB		
EP521/EP522	23-Jun-11	South East AOI-4	BOS	0+10	30	30	15:06	15:08	Pass	JC	SB	R 1138 @ 0+10	
EP521/EP522	23-Jun-11	South East AOI-4	0+10	EOS	30	30	14:58	15:00	Pass	JC	SB		
EP522/EP524	23-Jun-11	South East AOI-4	BOS	1+16	30	30	15:50	15:52	Pass	JC	SB	R 1140 @ 1+16	
EP522/EP524	23-Jun-11	South East AOI-4	1+16	1+58	30	30	16:02	16:04	Pass	JC	SB	R 1139 @ 1+58	
EP522/EP524	23-Jun-11	South East AOI-4	1+58	EOS	30	30	15:55	15:57	Pass	JC	SB		
EP522/EP523	23-Jun-11	South East AOI-4	BOS	EOS	30	30	15:30	15:32	Pass	JC	SB		
EP523/EP524	23-Jun-11	South East AOI-4	BOS	EOS	30	30	15:29	15:31	Pass	JC	SB		
EP523/EP525	23-Jun-11	South East AOI-4	BOS	EOS	30	30	16:13	16:15	Pass	JC	SB		
EP524/EP525	23-Jun-11	South East AOI-4	BOS	EOS	30	30	16:15	16:17	Pass	JC	SB		
EP514/EP526	24-Jun-11	South East AOI-4	BOS	0+32	30	30	9:57	9:59	Pass	RA	SB	R 1156 @ 0+32	
EP514/EP526	24-Jun-11	South East AOI-4	0+32	EOS	30	30	9:57	9:59	Pass	RA	SB		
EP515/EP526	24-Jun-11	South East AOI-4	BOS	EOS	30	30	9:48	9:50	Pass	RA	SB		
EP526/EP527	24-Jun-11	South East AOI-4	BOS	EOS	30	30	9:47	9:49	Pass	RA	SB		
EP515/EP527	24-Jun-11	South East AOI-4	BOS	EOS	30	30	9:47	9:49	Pass	RA	SB		
EP526/EP528	24-Jun-11	South East AOI-4	BOS	EOS	30	30	10:01	10:03	Pass	RA	SB		
EP527/EP528	24-Jun-11	South East AOI-4	BOS	EOS	30	30	9:51	9:53	Pass	RA	SB		
EP528/EP529	24-Jun-11	South East AOI-4	BOS	EOS	30	30	10:04	10:06	Pass	JC	PB		
EP529/EP530	24-Jun-11	South East AOI-4	BOS	EOS	30	30	10:05	10:07	Pass	JC	PB		
EP529/EP530	24-Jun-11	South East AOI-4	BOS	EOS	30	30	10:13	10:15	Pass	JC	PB		
EP530/EP531	24-Jun-11	South East AOI-4	BOS	EOS	30	30	10:12	10:14	Pass	JC	PB		
EP530/EP532	24-Jun-11	South East AOI-4	BOS	EOS	30	30	11:05	11:07	Pass	JC	PB		
EP532/EP533	24-Jun-11	South East AOI-4	BOS	EOS	30	30	10:56	10:58	Pass	JC	PB		
EP531/EP532	24-Jun-11	South East AOI-4	BOS	EOS	30	30	11:02	11:04	Pass	JC	PB		
EP516/EP526	24-Jun-11	South East AOI-4	BOS	EOS	30	30	11:18	11:20	Pass	RA	PB		
EP516/EP528	24-Jun-11	South East AOI-4	BOS	EOS	30	30	11:18	11:20	Pass	RA	PB		
EP518/EP528	24-Jun-11	South East AOI-4	BOS	EOS	30	30	11:18	11:20	Pass	RA	PB		
EP518/EP529	24-Jun-11	South East AOI-4	BOS	EOS	30	30	11:18	11:20	Pass	RA	PB		
EP528/EP519	24-Jun-11	South East AOI-4	BOS	EOS	30	30	11:18	11:20	Pass	RA	PB		
EP519/EP530	24-Jun-11	South East AOI-4	BOS	EOS	30	30	11:18	11:20	Pass	RA	PB		
EP521/EP530	24-Jun-11	South East AOI-4	BOS	EOS	30	30	11:18	11:20	Pass	RA	PB		
EP521/EP532	24-Jun-11	South East AOI-4	BOS	EOS	30	30	11:19	11:21	Pass	RA	PB		
EP522/EP532	24-Jun-11	South East AOI-4	BOS	EOS	30	30	11:19	11:21	Pass	RA	PB		
EP522/EP533	24-Jun-11	South East AOI-4	BOS	EOS	30	30	11:19	11:21	Pass	JC	PB		
EP524/EP533	24-Jun-11	South East AOI-4	BOS	EOS	30	30	11:19	11:21	Pass	JC	PB		
EP534/EP535	24-Jun-11	South East AOI-4	BOS	1+65	30	29	15:37	15:39	Pass	JC	PB	R 1180 @ 1+65	
EP534/EP535	24-Jun-11	South East AOI-4	1+65	2+19	30	30	15:25	15:27	Pass	JC	PB	R 1172 @ 2+19	
EP534/EP535	24-Jun-11	South East AOI-4	2+19	EOS	30	30	15:23	15:25	Pass	JC	PB		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP535/EP536	24-Jun-11	South East AOI-4	BOS	EOS	30	30	15:25	15:27	Pass	JC	PB		
EP535/EP537	24-Jun-11	South East AOI-4	BOS	2+22	30	30	15:29	15:31	Pass	JC	PB	R 1173 @ 2+22	
EP536/EP537	24-Jun-11	South East AOI-4	2+22	EOS	30	30	15:29	15:31	Pass	JC	PB		
EP524/EP534	24-Jun-11	South East AOI-4	BOS	EOS	30	30	15:23	15:25	Pass	JC	PB		
EP524/EP536	24-Jun-11	South East AOI-4	BOS	EOS	30	30	15:20	15:22	Pass	JC	PB		
EP524/EP537	24-Jun-11	South East AOI-4	BOS	EOS	30	29	15:34	15:36	Pass	RA	PB		
EP537/EP538	24-Jun-11	North East AOI-4	BOS	0+88	30	30	16:28	16:30	Pass	JC	PB	R 1189 @ 0+88	
EP537/EP538	24-Jun-11	North East AOI-4	0+88	EOS	30	30	16:20	16:22	Pass	JC	PB		
EP538/EP540	24-Jun-11	North East AOI-4	BOS	EOS	30	30	16:36	16:38	Pass	JC	PB		
EP538/EP539	24-Jun-11	North East AOI-4	BOS	EOS	30	30	16:35	16:37	Pass	JC	PB		
EP539/EP540	24-Jun-11	North East AOI-4	BOS	EOS	30	30	16:50	16:52	Pass	JC	PB		
EP540/EP541	24-Jun-11	North East AOI-4	BOS	EOS	30	30	16:48	16:50	Pass	JC	PB		
EP539/EP541	24-Jun-11	North East AOI-4	BOS	EOS	30	28	16:58	17:00	Pass	JC	PB		
EP541/EP542	24-Jun-11	North East AOI-4	BOS	EOS	30	28	17:08	17:10	Pass	JC	PB		
EP542/EP544	24-Jun-11	North East AOI-4	BOS	EOS	30	30	17:35	17:37	Pass	JC	PB		
EP542/EP543	24-Jun-11	North East AOI-4	BOS	EOS	30	30	17:28	17:30	Pass	JC	PB		
EP543/EP544	24-Jun-11	North East AOI-4	BOS	EOS	30	30	17:43	17:45	Pass	JC	PB		
EP544/EP546	24-Jun-11	North East AOI-4	BOS	EOS	30	30	17:40	17:42	Pass	JC	PB		
EP544/EP545	24-Jun-11	North East AOI-4	BOS	EOS	30	30	1740	1742	Pass	JC	PB		
EP543/EP545	24-Jun-11	North East AOI-4	BOS	EOS	30	30	17:32	17:34	Pass	JC	PB		
EP531/EP533	24-Jun-11	North East AOI-4	BOS	0+15	30	30	11:02	11:04	Pass	JC	SB	R 1195 @ 0+15 to 0+20	
EP531/EP533	24-Jun-11	North East AOI-4	0+20	EOS	30	30	11:02	11:04	Pass	JC	SB		
EP529/EP531	24-Jun-11	North East AOI-4	BOS	EOS	30	30	10:13	10:15	Pass	JC	SB		
EP545/EP546	24-Jun-11	North East AOI-4	BOS	EOS	30	30	17:50	17:52	Pass	JC	SB		
EP536/EP534	24-Jun-11	North East AOI-4	BOS	EOS	30	30	15:23	15:25	Pass	JC	SB		
EP525/EP545	25-Jun-11	North East AOI-4	BOS	EOS	30	30	7:37	7:39	Pass	JC	PB		
EP525/EP543	25-Jun-11	North East AOI-4	BOS	EOS	30	30	7:37	7:39	Pass	JC	PB		
EP525/EP542	25-Jun-11	North East AOI-4	BOS	EOS	30	29	7:35	7:37	Pass	JC	PB		
EP525/EP541	25-Jun-11	North East AOI-4	BOS	EOS	30	29	7:35	7:37	Pass	JC	PB		
EP525/EP539	25-Jun-11	North East AOI-4	BOS	EOS	30	29	7:35	7:37	Pass	JC	PB		
EP525/EP538	25-Jun-11	North East AOI-4	BOS	EOS	30	30	7:49	7:51	Pass	JC	PB		
EP525/EP537	25-Jun-11	North East AOI-4	BOS	EOS	30	30	7:49	7:51	Pass	JC	PB		
EP533/EP547	25-Jun-11	North East AOI-4	BOS	EOS	30	30	10:51	10:53	Pass	RA	PB		
EP547/EP548	25-Jun-11	North East AOI-4	BOS	0+23	30	30	10:48	10:50	Pass	RA	PB	R 1190 @ 0+23 to 0+28	
EP547/EP548	25-Jun-11	North East AOI-4	0+28	EOS	30	30	10:44	10:46	Pass	RA	PB		
EP548/EP549	25-Jun-11	North East AOI-4	BOS	EOS	30	29	10:56	10:58	Pass	RA	PB		
EP549/EP550	25-Jun-11	North East AOI-4	BOS	0+08	30	30	11:59	12:01	Pass	JC	PB	R 1229 @ 0+08	
EP549/EP550	25-Jun-11	North East AOI-4	0+08	0+87	30	30	13:55	13:57	Pass	JC	PB	R 1198 @ 0+87	
EP549/EP550	25-Jun-11	North East AOI-4	0+87	1+20	30	30	13:51	13:53	Pass	JC	PB	R 1199 @ 1+20	
EP549/EP550	25-Jun-11	North East AOI-4	1+20	EOS	30	29	13:30	13:32	Pass	JC	PB		
EP550/EP551	25-Jun-11	North East AOI-4	BOS	EOS	30	30	13:49	13:51	Pass	JC	PB		
EP550/EP552	25-Jun-11	North East AOI-4	BOS	1+25	30	30	13:45	13:47	Pass	JC	PB	R 1202 @ 1+25	
EP550/EP552	25-Jun-11	North East AOI-4	1+25	EOS	30	30	13:42	13:44	Pass	JC	PB		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP552/EP553	25-Jun-11	North East AOI-4	BOS	EOS	30	30	13:40	13:42	Pass	JC	PB		
EP534/EP544	25-Jun-11	North East AOI-4	BOS	EOS	30	30	14:42	14:44	Pass	RA	PB		
EP554/EP555	25-Jun-11	North East AOI-4	BOS	EOS	30	30	14:39	14:41	Pass	RA	PB		
EP551/EP552	25-Jun-11	North East AOI-4	BOS	EOS	30	30	13:50	13:52	Pass	JC	SB		
EP554/EP547	28-Jun-11	North East AOI-4	BOS	EOS	30	30	10:00	10:02	Pass	-	PB		
EP554/EP548	28-Jun-11	North East AOI-4	BOS	EOS	30	30	10:00	10:02	Pass	-	PB		
EP555/EP548	28-Jun-11	North East AOI-4	BOS	EOS	30	30	10:00	10:02	Pass	-	PB		
EP555/EP549	28-Jun-11	North East AOI-4	BOS	EOS	30	30	10:00	10:02	Pass	-	PB		
EP556/EP549	28-Jun-11	North East AOI-4	BOS	EOS	30	30	10:00	10:02	Pass	-	PB		
EP556/EP550	28-Jun-11	North East AOI-4	BOS	EOS	30	30	10:00	10:02	Pass	-	PB		
EP557/EP550	28-Jun-11	North East AOI-4	BOS	EOS	30	30	10:00	10:02	Pass	-	PB		
EP557/EP551	28-Jun-11	North East AOI-4	BOS	EOS	30	30	10:00	10:02	Pass	-	PB		
EP559/EP551	28-Jun-11	North East AOI-4	BOS	EOS	30	30	10:00	10:02	Pass	-	PB		
EP552/EP559	28-Jun-11	North East AOI-4	BOS	EOS	30	30	10:00	10:02	Pass	-	PB		
EP553/EP560	28-Jun-11	North East AOI-4	BOS	EOS	30	29	15:35	15:37	Pass	-	PB		
EP550/EP560	28-Jun-11	North East AOI-4	BOS	EOS	30	28	15:33	15:35	Pass	-	PB		
EP560/EP561	28-Jun-11	North East AOI-4	BOS	EOS	30	28	16:05	16:07	Pass	-	PB		
EP561/EP562	28-Jun-11	North East AOI-4	BOS	EOS	30	30	16:37	16:39	Pass	-	PB		
EP562/EP564	28-Jun-11	North East AOI-4	BOS	0+08	30	29	16:59	17:01	Pass	-	PB	R 1233 @ 0+08	
EP562/EP564	28-Jun-11	North East AOI-4	0+08	EOS	30	29	16:56	16:58	Pass	-	PB		
EP562/EP563	28-Jun-11	North East AOI-4	BOS	2+07	30	30	17:10	17:12	Pass	-	PB	R 1234 @ 2+07	
EP562/EP563	28-Jun-11	North East AOI-4	2+07	EOS	30	30	17:02	17:04	Pass	-	PB		
EP564/EP565	29-Jun-11	North East AOI-4	BOS	EOS	30	30	10:05	10:07	Pass	JC	SB		
EP563/EP564	29-Jun-11	North East AOI-4	0+04	EOS	30	29	17:05	17:07	Pass	JC	SB	R 1231 @ BOS to 0+04	
EP563/EP565	29-Jun-11	North East AOI-4	BOS	EOS	30	30	10:10	10:12	Pass	JC	SB		
EP565/EP566	29-Jun-11	North East AOI-4	BOS	EOS	30	28	11:27	11:29	Pass	JC	SB		
EP566/EP567	29-Jun-11	North East AOI-4	BOS	EOS	30	29	11:00	11:02	Pass	JC	SB		
EP565/EP567	29-Jun-11	North East AOI-4	BOS	EOS	30	29	11:40	11:42	Pass	JC	SB		
EP569/EP570	29-Jun-11	North East AOI-4	BOS	1+53	30	28	13:04	13:06	Pass	JC	SB	R 1242 @ 1+53	
EP569/EP570	29-Jun-11	North East AOI-4	1+53	EOS	30	30	13:00	13:02	Pass	JC	SB		
EP568/EP569	29-Jun-11	North East AOI-4	BOS	EOS	30	30	11:53	11:55	Pass	JC	SB		
EP570/EP571	29-Jun-11	North East AOI-4	BOS	1+33	30	30	13:11	13:13	Pass	JC	SB	R 1243 @ 1+33	
EP570/EP571	29-Jun-11	North East AOI-4	1+33	EOS	30	30	13:08	13:10	Pass	JC	SB		
EP571/EP572	29-Jun-11	North East AOI-4	BOS	EOS	30	30	13:15	13:17	Pass	JC	SB		
EP580/EP581	29-Jun-11	North East AOI-4	BOS	EOS	30	30	16:25	16:27	Pass	JC	SB		
EP580/EP579	29-Jun-11	North East AOI-4	BOS	EOS	30	30	16:16	16:18	Pass	JC	SB		
EP579/EP578	29-Jun-11	North East AOI-4	BOS	EOS	30	30	16:03	16:05	Pass	JC	SB		
EP578/EP577	29-Jun-11	North East AOI-4	BOS	EOS	30	29	16:06	16:08	Pass	JC	SB		
EP577/EP576	29-Jun-11	North East AOI-4	BOS	EOS	30	30	15:50	15:52	Pass	JC	SB		
EP576/EP575	29-Jun-11	North East AOI-4	BOS	EOS	30	28	15:47	15:49	Pass	JC	SB		
EP575/EP574	29-Jun-11	North East AOI-4	BOS	0+57	30	30	15:20	15:25	Pass	JC	SB	R 1249 @ 0+57	
EP575/EP574	29-Jun-11	North East AOI-4	0+57	EOS	30	30	15:30	15:32	Pass	JC	SB		
EP574/EP573	29-Jun-11	North East AOI-4	BOS	1+00	30	30	15:10	15:12	Pass	JC	SB	R 1251 @ 1+00	

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP574/EP573	29-Jun-11	North East AOI-4	1+00	EOS	30	30	15:20	15:22	Pass	JC	SB		
EP582/EP583	29-Jun-11	North East AOI-4	BOS	EOS	30	28	16:55	16:57	Pass	JC	SB		
EP583/EP572	29-Jun-11	North East AOI-4	BOS	EOS	30	30	16:59	17:01	Pass	JC	SB		
EP572/EP582	29-Jun-11	North East AOI-4	BOS	EOS	30	30	17:04	17:06	Pass	JC	SB		
EP583/EP584	29-Jun-11	North East AOI-4	BOS	EOS	30	30	17:10	17:12	Pass	JC	SB		
EP555/EP556	28-Jun-11	North East AOI-4	BOS	EOS	30	30	10:05	10:07	Pass	JC	SB		
EP556/EP557	28-Jun-11	North East AOI-4	BOS	0+98	30	30	9:40	9:42	Pass	JC	SB	R 1217 @ 0+98	
EP556/EP557	28-Jun-11	North East AOI-4	0+98	EOS	30	28	10:10	10:12	Pass	JC	SB		
EP557/EP558	28-Jun-11	North East AOI-4	BOS	EOS	30	30	9:25	9:27	Pass	JC	SB		
EP558/EP559	28-Jun-11	North East AOI-4	BOS	0+03	30	28	9:29	9:31	Pass	JC	SB	R 1219 @ 0+03	
EP558/EP559	28-Jun-11	North East AOI-4	0+03	EOS	30	29	9:30	9:32	Pass	JC	SB		
EP557/EP559	28-Jun-11	North East AOI-4	BOS	EOS	30	30	10:13	10:15	Pass	JC	SB		
EP558/EP573	29-Jun-11	North East AOI-4	BOS	0+08	30	30	15:18	15:20	Pass	JC	SB	R 1245 @ 0+08, R 1246 @ 0+19	
EP558/EP573	29-Jun-11	North East AOI-4	0+20	EOS	30	30	15:06	15:08	Pass	JC	SB		
RP573/EP559	29-Jun-11	North East AOI-4	BOS	EOS	30	29	14:58	15:00	Pass	JC	SB		
EP569/EP581	29-Jun-11	North East AOI-4	BOS	0+95	30	30	16:35	16:37	Pass	JC	SB	R 1276 @ 0+95 to EOS	
EP583/EP584	29-Jun-11	North East AOI-4	BOS	EOS	30	30	17:10	17:12	Pass	JC	SB		
EP567/EP568	29-Jun-11	North East AOI-4	BOS	0+12	30	30	11:35	11:37	Pass	JC	SB	R 1244 @ 0+12	
EP567/EP568	29-Jun-11	North East AOI-4	0+12	EOS	30	30	11:45	11:47	Pass	JC	SB		
EP566/EP568	29-Jun-11	North East AOI-4	BOS	EOS	30	30	11:28	11:30	Pass	JC	SB		
EP571/EP582	29-Jun-11	North East AOI-4	BOS	EOS	30	30	17:00	17:02	Pass	JC	SB		
EP552/EP573	30-Jun-11	North East AOI-4	0+04	EOS	30	30	7:45	7:47	Pass	JC	SB	R 1248 @ BOS to 0+04	
EP573/EP553	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:45	7:47	Pass	JC	SB		
EP574/EP553	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:45	7:47	Pass	JC	SB		
EP574/EP560	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:45	7:47	Pass	JC	SB		
EP575/EP560	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:45	7:47	Pass	JC	SB		
EP575/EP561	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:45	7:47	Pass	JC	SB		
EP576/EP561	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:45	7:47	Pass	JC	SB		
EP576/EP562	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:45	7:47	Pass	JC	SB		
EP577/EP562	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:45	7:47	Pass	JC	SB		
EP577/EP563	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:45	7:47	Pass	JC	SB		
EP578/EP563	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:45	7:47	Pass	JC	SB		
EP578/EP565	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:45	7:47	Pass	JC	SB		
EP565/EP579	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:45	7:47	Pass	JC	SB		
EP567/EP579	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:45	7:47	Pass	JC	SB		
EP567/EP580	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:45	7:47	Pass	JC	SB		
EP568/EP580	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:54	7:56	Pass	JC	SB		
EP581/EP576	30-Jun-11	North East AOI-4	BOS	EOS	30	30	7:55	7:57	Pass	JC	SB		
EP597/EP598	11-Jul-11	North Area 5	BOS	1+78	30	28	14:17	14:19	Pass	JC	SB	R 1354 @ 1+78 to 1+92	
EP597/EP598	11-Jul-11	North Area 5	1+92	2+69	30	30	13:54	13:56	Pass	JC	SB	R 1356 @ 2+69 to 2+75	
EP597/EP598	11-Jul-11	North Area 5	2+75	EOS	30	30	13:45	13:47	Pass	JC	SB		
EP591/EP568	11-Jul-11	North Area 5	BOS	EOS	30	30	11:40	11:42	Pass	JC	SB		
EP591/EP569	11-Jul-11	North Area 5	BOS	EOS	30	30	11:40	11:42	Pass	JC	SB		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP591/EP570	11-Jul-11	North Area 5	BOS	EOS	30	30	11:40	11:42	Pass	JC	SB		
EP591/EP571	11-Jul-11	North Area 5	BOS	0+16	30	30	11:57	11:59	Pass	JC	SB	R 1335 @ 0+16 to 0+18	
EP591/EP571	11-Jul-11	North Area 5	0+18	EOS	30	30	11:40	11:42	Pass	JC	SB		
EP591/EP572	11-Jul-11	North Area 5	BOS	EOS	30	30	11:53	11:55	Pass	JC	SB		
EP592/EP572	11-Jul-11	North Area 5	BOS	EOS	30	30	11:50	11:52	Pass	JC	SB		
EP592/EP583	11-Jul-11	North Area 5	BOS	EOS	30	30	11:50	11:52	Pass	JC	SB		
EP592/EP584	11-Jul-11	North Area 5	BOS	EOS	30	30	11:50	11:52	Pass	JC	SB		
EP598/EP599	11-Jul-11	North Area 5	BOS	1+71	30	30	14:50	14:52	Pass	JC	SB	R 1355 @ 1+71 to 1+80	
EP598/EP599	11-Jul-11	North Area 5	1+80	EOS	30	30	14:37	14:39	Pass	JC	SB		
EP594/EP595	11-Jul-11	North Area 5	BOS	2+08	30	30	11:04	11:06	Pass	JC	SB	R 1351 @ 2+08 to 2+12	
EP594/EP595	11-Jul-11	North Area 5	2+12	3+25	30	30	11:02	11:04	Pass	JC	SB	R 1359 @ 3+25	
EP594/EP595	11-Jul-11	North Area 5	3+25	EOS	30	30	10:15	10:17	Pass	RA	SB		
EP592/EP591	11-Jul-11	North Area 5	BOS	EOS	30	30	9:30	9:32	Pass	JC	SB		
EP591/EP593	11-Jul-11	North Area 5	BOS	1+03	30	30	9:28	9:30	Pass	RA	SB	R 1349 @ 1+03 to 1+06	
EP591/EP593	11-Jul-11	North Area 5	1+06	EOS	30	29	9:23	9:25	Pass	JC	SB		
EP593/EP594	11-Jul-11	North Area 5	BOS	2+12	30	30	9:48	9:50	Pass	JC	SB	R 1350 @ 2+12 to 2+18	
EP593/EP594	11-Jul-11	North Area 5	2+18	EOS	30	30	9:25	9:27	Pass	JC	SB		
EP594/EP564	11-Jul-11	North Area 5	BOS	EOS	30	29	10:37	10:39	Pass	JC	SB		
EP594/EP565	11-Jul-11	North Area 5	BOS	EOS	30	30	10:45	10:47	Pass	RA	SB		
EP593/EP565	11-Jul-11	North Area 5	BOS	EOS	30	30	11:14	11:16	Pass	JC	SB		
EP593/EP566	11-Jul-11	North Area 5	BOS	EOS	30	30	11:15	11:17	Pass	JC	SB		
EP595/EP596	11-Jul-11	North Area 5	BOS	2+77	30	30	13:35	13:37	Pass	JC	SB	R 1352 @ 2+77 to 2+83	
EP595/EP596	11-Jul-11	North Area 5	2+83	EOS	30	30	13:33	13:35	Pass	JC	SB		
EP596/EP597	11-Jul-11	North Area 5	BOS	1+96	30	30	13:20	13:22	Pass	JC	SB	R 1353 @ 1+96 to 1+98	
EP596/EP597	11-Jul-11	North Area 5	1+98	EOS	30	30	13:27	13:29	Pass	JC	SB		
EP599/EP600	11-Jul-11	North Area 5	BOS	0+39	30	30	15:17	15:19	Pass	JC	SB	R 1358 @ 0+39 to 0+41	
EP599/EP600	11-Jul-11	North Area 5	0+41	1+63	30	30	15:12	15:14	Pass	JC	SB	R 1357 @ 1+63	
EP599/EP600	11-Jul-11	North Area 5	1+63	EOS	30	30	15:03	15:05	Pass	JC	SB		
EP604/EP606	14-Jul-11	North Area 5	BOS	EOS	30	30	14:25	14:27	Pass	NS	SB		
EP606/EP605	14-Jul-11	North Area 5	BOS	EOS	-	-	-	-	Fail	NS	SB	Flap extursion welded	
EP604/EP605	14-Jul-11	North Area 5	BOS	EOS	30	30	14:25	14:27	Pass	NS	SB		
EP605/EP603	14-Jul-11	North Area 5	BOS	EOS	30	30	14:00	14:05	Pass	NS	SB		
EP604/EP602	14-Jul-11	North Area 5	BOS	EOS	30	30	14:00	14:05	Pass	NS	SB		
EP602/EP603	14-Jul-11	North Area 5	BOS	EOS	30	30	13:55	13:57	Pass	NS	SB		
EP603/EP601	14-Jul-11	North Area 5	BOS	EOS	30	30	13:50	13:52	Pass	NS	SB		
EP601/EP602	14-Jul-11	North Area 5	BOS	EOS	30	30	13:55	13:57	Pass	NS	SB		
EP601/EP560	14-Jul-11	North Area 5	BOS	EOS	30	30	14:35	14:37	Pass	NS	SB		
EP601/EP561	14-Jul-11	North Area 5	BOS	EOS	30	30	14:35	14:37	Pass	NS	SB		
EP603/EP562	14-Jul-11	North Area 5	BOS	EOS	30	30	14:40	14:42	Pass	NS	SB		
EP603/EP564	14-Jul-11	North Area 5	BOS	EOS	30	30	14:40	14:42	Pass	NS	SB		
EP600/EP609	30-Aug-11	North Area 5	BOS	EOS	29	29	10:22	10:25	Pass	MB	SB		
EP609/EP611	30-Aug-11	North Area 5	BOS	EOS	30	30	10:35	10:38	Pass	MB	SB		
EP610/EP611	30-Aug-11	North Area 5	BOS	EOS	28	27	10:12	10:15	Pass	MB	SB		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP611/EP612	30-Aug-11	North Area 5	BOS	2+32	30	29	10:44	10:47	Pass	MB	SB	R 1404 @ 2+32 to 2+38	
EP611/EP612	30-Aug-11	North Area 5	2+38	EOS	30	30	10:49	10:52	Pass	MB	SB		
EP609/EP610	30-Aug-11	North Area 5	BOS	EOS	30	30	11:04	11:07	Pass	MB	SB		
EP610/EP612	30-Aug-11	North Area 5	BOS	EOS	30	30	11:13	11:16	Pass	MB	SB		
EP612/EP614	30-Aug-11	North Area 5	BOS	2+27	31	29	11:39	11:42	Pass	MB	SB	R 1407 @ 2+27 to 2+29	
EP612/EP614	30-Aug-11	North Area 5	2+29	EOS	32	30	11:30	11:33	Pass	MB	SB		
EP613/EP614	30-Aug-11	North Area 5	BOS	EOS	30	29	11:38	11:41	Pass	MB	SB		
EP612/EP613	30-Aug-11	North Area 5	BOS	EOS	32	31	14:07	14:10	Pass	MB	SB		
EP609/EP609	30-Aug-11	North Area 5	BOS	0+17	30	30	13:19	13:22	Pass	MB	SB	R 1402 @ 0+17 to 0+21	
EP608/EP609	30-Aug-11	North Area 5	0+21	EOS	31	31	13:21	13:24	Pass	MB	SB		
EP607/EP608	30-Aug-11	North Area 5	BOS	EOS	31	31	13:16	13:19	Pass	MB	SB		
EP613/EP615	30-Aug-11	North Area 5	BOS	1+20	32	31	15:02	15:05	Pass	MB	SB	R 1411 @ 1+20 to 1+22	
EP613/EP615	30-Aug-11	North Area 5	1+22	EOS	31	30	15:04	15:07	Pass	MB	SB		
EP614/EP615	30-Aug-11	North Area 5	BOS	EOS	32	32	15:22	15:25	Pass	MB	SB		
EP615/EP616	30-Aug-11	North Area 5	BOS	EOS	32	32	15:26	15:29	Pass	MB	SB		
EP614/EP616	30-Aug-11	North Area 5	BOS	EOS	32	31	15:49	15:52	Pass	MB	SB		
EP616/EP617	30-Aug-11	North Area 5	BOS	0+96	32	32	16:06	16:09	Pass	MB	SB	R 1412 @ 0+96 to 1+06	
EP616/EP617	30-Aug-11	North Area 5	1+06	EOS	31	29	15:54	15:57	Pass	MB	SB		
EP617/EP615	30-Aug-11	North Area 5	BOS	EOS	33	32	16:08	16:11	Pass	MB	SB		
EP617/EP618	30-Aug-11	North Area 5	BOS	2+90	31	31	16:33	16:36	Pass	MB	SB	R 1413 @ 2+90 to 2+93	
EP617/EP618	30-Aug-11	North Area 5	2+93	EOS	32	32	16:41	16:44	Pass	MB	SB		
EP618/EP620	30-Aug-11	North Area 5	BOS	2+85	32	32	17:05	17:08	Pass	MB	SB	R 1414 @ 2+85	
EP618/EP620	30-Aug-11	North Area 5	2+85	EOS	30	30	16:56	16:59	Pass	MB	SB		
EP620/EP619	30-Aug-11	North Area 5	BOS	EOS	32	32	17:06	17:09	Pass	MB	SB		
EP618/EP619	30-Aug-11	North Area 5	BOS	0+47	30	30	17:20	17:23	Pass	MB	SB	R 1416 @ 0+47 to 0+50	
EP618/EP619	30-Aug-11	North Area 5	0+50	0+90	32	32	17:19	17:22	Pass	MB	SB	R 1417 @ 0+93 to 0+96	
EP618/EP619	30-Aug-11	North Area 5	0+96	EOS	32	30	17:15	17:18	Pass	MB	SB		
EP619/EP622	30-Aug-11	North Area 5	BOS	EOS	30	28	17:20	17:23	Pass	MB	SB		
EP619/EP621	30-Aug-11	North Area 5	BOS	EOS	30	30	17:14	17:17	Pass	MB	SB		
EP620/EP621	30-Aug-11	North Area 5	BOS	1+84	33	33	17:07	17:10	Pass	MB	SB	R 1420 @ 1+84 to 1+87	
EP620/EP621	30-Aug-11	North Area 5	1+87	EOS	33	32	16:57	17:00	Pass	MB	SB		
EP621/EP623	31-Aug-11	North Area 5	0+05	0+46	33	32	10:16	10:19	Pass	MB	SB	R 1430 @ BOS to 0+05	
EP621/EP623	31-Aug-11	North Area 5	0+51	1+44	34	34	9:26	9:29	Pass	MB	SB	R 1431 @ 0+46 to 0+51	
EP621/EP623	31-Aug-11	North Area 5	1+46	EOS	32	30	9:15	9:18	Pass	MB	SB	R 1432 @ 1+44 to 1+46	
EP623/EP624	31-Aug-11	North Area 5	BOS	0+70	34	34	9:56	9:59	Pass	MB	SB	R 1435 @ 0+70 to 0+72	
EP623/EP624	31-Aug-11	North Area 5	0+72	1+58	31	30	9:34	9:37	Pass	MB	SB	R 1433 @ 1+58 to 1+59	
EP623/EP624	31-Aug-11	North Area 5	1+59	EOS	33	33	9:40	9:43	Pass	MB	SB		
EP624/EP625	31-Aug-11	North Area 5	BOS	EOS	34	32	9:48	9:51	Pass	MB	SB		
EP626/EP627	31-Aug-11	Detention Basin 1	BOS	EOS	33	31	10:51	10:54	Pass	MB	SB		
EP627/EP628	31-Aug-11	Detention Basin 1	BOS	EOS	30	30	11:20	11:23	Pass	MB	SB		
EP630/EP627	31-Aug-11	Detention Basin 1	BOS	EOS	33	31	10:58	11:01	Pass	MB	SB		
EP630/EP626	31-Aug-11	Detention Basin 1	BOS	EOS	32	30	11:14	11:17	Pass	MB	SB		
EP630/EP628	31-Aug-11	Detention Basin 1	BOS	EOS	33	33	11:26	11:29	Pass	MB	SB		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP628/EP629	31-Aug-11	Detention Basin 1	BOS	0+07	30	30	14:44	14:47	Pass	MB	SB	R 1436 @ 0+07 to 0+12	
EP628/EP629	31-Aug-11	Detention Basin 1	0+12	EOS	35	35	11:49	11:52	Pass	MB	SB		
EP629/EP633	31-Aug-11	Detention Basin 1	BOS	EOS	35	35	14:32	14:35	Pass	MB	SB		
EP635/EP596	31-Aug-11	Detention Basin 1	BOS	EOS	31	29	15:54	15:57	Pass	MB	SB		
EP635/EP597	31-Aug-11	Detention Basin 1	BOS	EOS	30	30	15:53	15:56	Pass	MB	SB		
EP632/EP597	31-Aug-11	Detention Basin 1	BOS	EOS	30	30	15:47	15:50	Pass	MB	SB		
EP632/EP598	31-Aug-11	Detention Basin 1	BOS	1+43	31	31	15:44	15:47	Pass	MB	SB	R 1461 @ 1+43	
EP632/EP599	31-Aug-11	Detention Basin 1	1+43	EOS	32	32	15:45	15:48	Pass	MB	SB		
EP629/EP632	31-Aug-11	Detention Basin 1	BOS	EOS	32	32	14:26	14:29	Pass	MB	SB		
EP629/EP631	31-Aug-11	Detention Basin 1	BOS	EOS	34	34	11:43	11:46	Pass	MB	SB		
EP631/EP632	31-Aug-11	Detention Basin 1	BOS	EOS	33	33	11:39	11:42	Pass	MB	SB		
EP631/EP599	31-Aug-11	Detention Basin 1	BOS	EOS	35	35	15:41	15:44	Pass	MB	SB		
EP631/EP600	31-Aug-11	Detention Basin 1	BOS	0+99	32	32	15:31	15:34	Pass	MB	SB	R 1459 @ 0+99	
EP631/EP600	31-Aug-11	Detention Basin 1	0+99	EOS	30	29	15:37	15:40	Pass	MB	SB		
EP631/EP609	31-Aug-11	Detention Basin 1	BOS	EOS	30	28	15:31	15:34	Pass	MB	SB		
EP631/EP610	31-Aug-11	Detention Basin 1	BOS	EOS	35	35	15:28	15:31	Pass	MB	SB		
EP629/EP610	31-Aug-11	Detention Basin 1	BOS	EOS	30	30	15:24	15:27	Pass	MB	SB		
EP629/EP612	31-Aug-11	Detention Basin 1	BOS	EOS	30	30	15:19	15:22	Pass	MB	SB		
EP629/EP613	31-Aug-11	Detention Basin 1	BOS	0+12	-	-	-	-	Pass	MB	SB	Vac tested (extrusion weld) R 1436 @ 0+12 to 0+17	
EP629/EP613	31-Aug-11	Detention Basin 1	0+17	EOS	30	30	15:09	15:12	Pass	MB	SB		
EP629/EP615	31-Aug-11	Detention Basin 1	BOS	EOS	35	35	14:17	14:50	Pass	MB	SB		
EP628/EP615	31-Aug-11	Detention Basin 1	BOS	EOS	30	30	14:41	14:44	Pass	MB	SB		
EP627/EP615	31-Aug-11	Detention Basin 1	BOS	EOS	30	30	14:38	14:41	Pass	MB	SB		
EP638/EP637	1-Sep-11	Detention Basin 1	BOS	EOS	33	30	10:54	10:59	Pass	RP	SB		
EP637/EP636	1-Sep-11	Detention Basin 1	BOS	EOS	31	29	10:50	10:55	Pass	RP	SB		
EP636/EP635	1-Sep-11	Detention Basin 1	BOS	EOS	30	29	10:43	10:48	Pass	RP	SB		
EP635/EP634	1-Sep-11	Detention Basin 1	BOS	EOS	32	30	10:42	10:47	Pass	RP	SB		
EP634/EP639	1-Sep-11	Detention Basin 1	BOS	EOS	33	30	9:50	9:55	Pass	RP	SB		
EP634/EP626	1-Sep-11	Detention Basin 1	BOS	EOS	33	30	11:03	11:08	Pass	RP	SB		
EP626/EP639	1-Sep-11	Detention Basin 1	BOS	EOS	33	30	11:03	11:08	Pass	RP	SB		
EP630/EP639	1-Sep-11	Detention Basin 1	BOS	EOS	33	30	11:03	11:08	Pass	RP	SB		
EP630/EP640	1-Sep-11	Detention Basin 1	BOS	EOS	33	30	11:03	11:08	Pass	RP	SB		
EP640/EP628	1-Sep-11	Detention Basin 1	BOS	EOS	33	30	11:03	11:08	Pass	RP	SB		
EP629/EP641	1-Sep-11	Detention Basin 1	BOS	EOS	33	30	11:03	11:08	Pass	RP	SB		
EP639/EP640	1-Sep-11	Detention Basin 1	BOS	EOS	32	29	9:57	10:02	Pass	RP	SB		
EP640/EP641	1-Sep-11	Detention Basin 1	BOS	EOS	33	30	10:02	10:07	Pass	RP	SB		
EP641/EP642	1-Sep-11	Detention Basin 1	BOS	EOS	31	29	10:08	10:13	Pass	RP	SB		
EP642/EP596	1-Sep-11	Detention Basin 1	BOS	EOS	30	28	11:08	11:13	Pass	RP	SB		
EP642/EP595	1-Sep-11	Detention Basin 1	BOS	EOS	32	29	11:15	11:20	Pass	RP	SB		
EP642/EP594	1-Sep-11	Detention Basin 1	BOS	EOS	32	29	11:15	11:20	Pass	RP	SB		
EP642/EP643	1-Sep-11	Detention Basin 1	BOS	EOS	32	29	10:20	10:25	Pass	RP	SB		
EP642/EP644	1-Sep-11	Detention Basin 1	BOS	EOS	31	29	10:30	10:35	Pass	RP	SB		
EP643/EP644	1-Sep-11	Detention Basin 1	BOS	EOS	33	30	10:22	10:27	Pass	RP	SB		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP643/EP593	1-Sep-11	Detention Basin 1	BOS	EOS	31	30	11:21	11:26	Pass	RP	SB		
EP643/EP591	1-Sep-11	Detention Basin 1	BOS	EOS	32	30	11:24	11:29	Pass	RP	SB		
EP592/EP645	1-Sep-11	Detention Basin 1	BOS	EOS	33	30	11:31	11:36	Pass	RP	SB		
EP584/EP645	1-Sep-11	Detention Basin 1	BOS	1+35	31	29	11:39	11:44	Pass	RP	SB	R 1488 @ 1+35	
EP584/EP645	1-Sep-11	Detention Basin 1	1+35	EOS	30	29	11:48	11:53	Pass	RP	SB		
EP645/EP644	1-Sep-11	Detention Basin 1	BOS	EOS	32	30	10:31	10:36	Pass	RP	SB		
EP591/EP645	1-Sep-11	Detention Basin 1	BOS	EOS	30	30	11:29	11:34	Pass	RP	SB		
EP646/EP612	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	10:26	10:28	Pass	AA	SB		
EP646/EP611	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	10:26	10:28	Pass	AA	SB		
EP646/EP609	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	10:26	10:28	Pass	AA	SB		
EP646/EP608	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	10:26	10:28	Pass	AA	SB		
EP646/EP607	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	10:26	10:28	Pass	AA	SB		
EP646/EP647	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	10:17	10:19	Pass	AA	SB		
EP648/EP649	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	10:17	10:19	Pass	AA	SB		
EP646/EP648	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	10:30	10:32	Pass	AA	SB		
EP647/EP648	2-Sep-11	Southwest AOI-4	BOS	EOS	30	29	10:35	10:37	Pass	AA	SB		
EP649/EP650	2-Sep-11	Southwest AOI-4	BOS	0+65	30	30	10:47	10:49	Pass	AA	SB	R 1522 @ 0+65	
EP649/EP650	2-Sep-11	Southwest AOI-4	0+65	EOS	30	30	10:56	10:58	Pass	AA	SB		
EP650/EP652	2-Sep-11	Southwest AOI-4	BOS	EOS	30	29	10:57	10:59	Pass	AA	SB		
EP652/EP653	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	11:10	11:12	Pass	AA	SB		
EP652/EP649	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	11:03	11:05	Pass	AA	SB		
EP649/EP651	2-Sep-11	Southwest AOI-4	BOS	EOS	30	28	10:41	10:43	Pass	AA	SB		
EP651/EP647	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	10:42	10:44	Pass	AA	SB		
EP647/EP617	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	10:10	10:12	Pass	AA	SB		
EP647/EP618	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	10:10	10:12	Pass	AA	SB		
EP647/EP620	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	10:10	10:12	Pass	AA	SB		
EP647/EP621	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	10:10	10:12	Pass	AA	SB		
EP647/EP623	2-Sep-11	Southwest AOI-4	BOS	EOS	30	30	10:10	10:12	Pass	AA	SB		
EP655/EP654	6-Sep-11	Detention Basin 2	BOS	EOS	32	32	14:52	14:54	Pass	MB	SM		
EP654/EP656	6-Sep-11	Detention Basin 2	BOS	EOS	32	32	15:33	15:35	Pass	MB	SM		
EP656/EP657	6-Sep-11	Detention Basin 2	BOS	EOS	34	34	15:35	15:37	Pass	MB	SM		
EP656/EP658	6-Sep-11	Detention Basin 2	BOS	EOS	35	35	16:01	16:03	Pass	MB	SM		
EP657/EP658	6-Sep-11	Detention Basin 2	BOS	EOS	32	32	16:20	16:22	Pass	MB	SM		
EP658/EP659	6-Sep-11	Detention Basin 2	BOS	EOS	34	32	16:16	16:18	Pass	MB	SM		
EP657/EP659	6-Sep-11	Detention Basin 2	BOS	EOS	34	34	15:49	15:51	Pass	MB	SM		
EP659/EP660	6-Sep-11	Detention Basin 2	BOS	EOS	34	34	16:47	16:49	Pass	MB	SM		
EP660/EP661	6-Sep-11	Detention Basin 2	BOS	EOS	33	33	16:51	16:53	Pass	MB	SM		
EP660/EP662	6-Sep-11	Detention Basin 2	BOS	EOS	33	33	16:51	16:53	Pass	MB	SM		
EP663/EP662	6-Sep-11	Detention Basin 2	BOS	EOS	35	35	17:26	17:28	Pass	MB	SM		
EP663/EP664	6-Sep-11	Detention Basin 2	BOS	EOS	30	30	17:17	17:19	Pass	MB	SM		
EP662/EP664	6-Sep-11	Detention Basin 2	BOS	EOS	32	32	17:11	17:13	Pass	MB	SM		
EP661/EP664	6-Sep-11	Detention Basin 2	BOS	EOS	32	32	17:11	17:13	Pass	MB	SM		
EP664/EP667	6-Sep-11	Detention Basin 2	BOS	EOS	32	32	17:07	17:09	Pass	MB	SM		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP664/EP665	6-Sep-11	Detention Basin 2	BOS	EOS	35	35	8:43	8:45	Pass	MB	SM		
EP663/EP665	6-Sep-11	Detention Basin 2	BOS	EOS	35	35	8:48	8:50	Pass	MB	SM		
EP638/EP663	6-Sep-11	Detention Basin 2	BOS	EOS	32	30	17:53	17:55	Pass	MB	SM		
EP637/EP663	6-Sep-11	Detention Basin 2	BOS	EOS	32	30	18:00	18:02	Pass	MB	SM		
EP636/EP663	6-Sep-11	Detention Basin 2	BOS	EOS	32	30	18:00	18:02	Pass	MB	SM		
EP636/EP662	6-Sep-11	Detention Basin 2	BOS	EOS	32	30	18:00	18:02	Pass	MB	SM		
EP662/EP635	6-Sep-11	Detention Basin 2	BOS	EOS	32	30	18:00	18:02	Pass	MB	SM		
EP634/EP662	6-Sep-11	Detention Basin 2	BOS	EOS	32	30	18:00	18:02	Pass	MB	SM		
EP634/EP660	6-Sep-11	Detention Basin 2	BOS	EOS	32	30	18:00	18:02	Pass	MB	SM		
EP639/EP660	6-Sep-11	Detention Basin 2	BOS	EOS	32	30	18:00	18:02	Pass	MB	SM		
EP639/EP659	6-Sep-11	Detention Basin 2	BOS	EOS	32	30	18:00	18:02	Pass	MB	SM		
EP640/EP659	6-Sep-11	Detention Basin 2	BOS	EOS	32	30	18:00	18:02	Pass	MB	SM		
EP640/EP657	6-Sep-11	Detention Basin 2	BOS	EOS	32	30	18:00	18:02	Pass	MB	SM		
EP641/EP657	6-Sep-11	Detention Basin 2	BOS	EOS	32	30	18:00	18:02	Pass	MB	SM		
EP642/EP657	6-Sep-11	Detention Basin 2	BOS	EOS	32	30	18:00	18:02	Pass	MB	SM		
EP642/EP658	6-Sep-11	Detention Basin 2	BOS	EOS	35	35	18:10	18:12	Pass	MB	SM		
EP644/EP656	6-Sep-11	Detention Basin 2	BOS	EOS	35	35	18:10	18:12	Pass	MB	SM		
EP644/EP654	6-Sep-11	Detention Basin 2	BOS	EOS	35	35	18:10	18:12	Pass	MB	SM		
EP644/EP655	6-Sep-11	Detention Basin 2	BOS	EOS	35	35	18:10	18:12	Pass	MB	SM		
EP661/EP662	7-Sep-11	Detention Basin 2	BOS	EOS	32	32	7:56	7:58	Pass	MB	SM		
EP666/EP665	7-Sep-11	Detention Basin 2	BOS	EOS	32	30	8:52	8:54	Pass	MB	SM		
EP666/EP668	7-Sep-11	Detention Basin 2	BOS	EOS	32	29	9:03	9:05	Pass	MB	SM		
EP665/EP668	7-Sep-11	Detention Basin 2	BOS	EOS	33	31	8:55	8:57	Pass	MB	SM		
EP665/EP667	7-Sep-11	Detention Basin 2	BOS	0+18	32	32	8:41	8:43	Pass	MB	SM	R 1552 @ 0+18 to EOS	
EP667/EP668	7-Sep-11	Detention Basin 2	BOS	EOS	34	32	9:09	9:11	Pass	MB	SM		
EP668/EP669	7-Sep-11	Detention Basin 2	BOS	EOS	34	32	9:13	9:15	Pass	MB	SM		
EP669/EP670	7-Sep-11	Detention Basin 2	BOS	EOS	30	30	9:20	9:22	Pass	MB	SM		
EP668/EP670	7-Sep-11	Detention Basin 2	BOS	EOS	32	30	9:24	9:26	Pass	MB	SM		
EP670/EP671	7-Sep-11	Detention Basin 2	BOS	EOS	35	35	9:44	9:46	Pass	MB	SM		
EP671/EP672	7-Sep-11	Detention Basin 2	BOS	EOS	32	32	9:42	9:44	Pass	MB	SM		
EP670/EP672	7-Sep-11	Detention Basin 2	BOS	EOS	32	32	9:44	9:46	Pass	MB	SM		
EP670/EP673	7-Sep-11	Detention Basin 2	BOS	EOS	35	35	9:37	9:39	Pass	MB	SM		
EP672/EP673	7-Sep-11	Detention Basin 2	BOS	EOS	33	33	9:39	9:41	Pass	MB	SM		
EP668/EP673	7-Sep-11	Detention Basin 2	BOS	EOS	33	32	9:33	9:35	Pass	MB	SM		
EP584/EP655	7-Sep-11	Detention Basin 2 / North AOI-4 Tie	BOS	EOS	32	32	10:45	10:47	Pass	MB	SM		
EP583/EP655	7-Sep-11	Detention Basin 2 / North AOI-4 Tie	BOS	EOS	32	32	10:45	10:47	Pass	MB	SM		
EP583/EP654	7-Sep-11	Detention Basin 2 / North AOI-4 Tie	BOS	EOS	32	32	10:40	10:42	Pass	MB	SM		
EP582/EP654	7-Sep-11	Detention Basin 2 / North AOI-4 Tie	BOS	EOS	32	32	10:40	10:42	Pass	MB	SM		
EP571/EP654	7-Sep-11	Detention Basin 2 / North AOI-4 Tie	BOS	EOS	32	32	11:06	11:08	Pass	MB	SM		
EP570/EP654	7-Sep-11	Detention Basin 2 / North AOI-4 Tie	BOS	EOS	32	32	11:06	11:08	Pass	MB	SM		
EP569/EP654	7-Sep-11	Detention Basin 2 / North AOI-4 Tie	BOS	EOS	32	32	11:06	11:08	Pass	MB	SM		
EP581/EP654	7-Sep-11	Detention Basin 2 / North AOI-4 Tie	BOS	EOS	-	-	-	-	Pass	MB	SM	Vac tested (extrusion weld)	
EP580/EP654	7-Sep-11	Detention Basin 2 / North AOI-4 Tie	BOS	EOS	33	32	11:10	11:12	Pass	MB	SM		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP579/EP654	7-Sep-11	ention Basin 2 / North AOI-4 Tie	BOS	EOS	33	32	11:10	11:12	Pass	MB	SM		
EP578/EP654	7-Sep-11	ention Basin 2 / North AOI-4 Tie	BOS	EOS	33	32	11:10	11:12	Pass	MB	SM		
EP577/EP654	7-Sep-11	ention Basin 2 / North AOI-4 Tie	BOS	EOS	33	32	11:10	11:12	Pass	MB	SM		
EP576/EP654	7-Sep-11	ention Basin 2 / North AOI-4 Tie	BOS	EOS	33	32	11:10	11:12	Pass	MB	SM		
EP675/EP654	7-Sep-11	ention Basin 2 / North AOI-4 Tie	BOS	EOS	33	32	11:10	11:12	Pass	MB	SM		
EP684/EP685	14-Sep-11	Detention Basin 5	BOS	1+76	30	30	13:39	13:41	Pass	MB	SM	R 1589 @ 1+76	
EP684/EP685	14-Sep-11	Detention Basin 5	1+76	EOS	30	30	15:47	15:50	Pass	AA	SM		
EP683/EP684	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:08	15:11	Pass	AA	SM		
EP683/EP682	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:06	15:09	Pass	AA	SM		
EP682/EP684	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:07	15:10	Pass	AA	SM		
EP681/EP683	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:05	15:08	Pass	AA	SM		
EP681/EP682	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:00	15:03	Pass	AA	SM		
EP680/EP681	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	14:01	14:04	Pass	AA	SM		
EP679/EP680	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	14:02	14:05	Pass	AA	SM		
EP678/EP679	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	14:03	14:06	Pass	AA	SM		
EP677/EP678	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	14:13	14:16	Pass	AA	SM		
EP676/EP677	14-Sep-11	Detention Basin 5	BOS	0+67	30	30	14:14	14:17	Pass	AA	SM	R 1617 @ 0+67	
EP676/RP677	14-Sep-11	Detention Basin 5	0+67	0+79	30	30	14:22	14:26	Pass	MB	SM	R 1616 @ 0+79	
EP676/EP677	14-Sep-11	Detention Basin 5	0+79	EOS	30	30	14:25	14:27	Pass	MB	SM		
EP675/EP676	14-Sep-11	Detention Basin 5	BOS	0+59	30	30	14:28	14:31	Pass	AA	SM	R 1615 @ 0+59	
EP675/EP676	14-Sep-11	Detention Basin 5	0+59	EOS	30	30	14:29	14:32	Pass	AA	SM		
EP674/EP675	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	16:33	16:36	Pass	AA	SM		
EP674/EP508	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	14:49	14:52	Pass	AA	SM		
EP674/EP509	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	14:50	14:53	Pass	AA	SM		
EP685/EP686	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:36	15:39	Pass	AA	SM		
EP685/EP687	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	16:05	16:08	Pass	AA	SM		
EP686/EP687	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	16:06	16:09	Pass	AA	SM		
EP546/EP686	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:55	15:58	Pass	AA	SM		
EP546/EP685	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:46	15:49	Pass	AA	SM		
EP546/EP684	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:46	15:49	Pass	AA	SM		
EP545/EP684	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:46	15:49	Pass	AA	SM		
EP545/EP682	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:45	15:48	Pass	AA	SM		
EP525/EP682	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:39	15:42	Pass	AA	SM		
EP525/EP681	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:38	15:41	Pass	AA	SM		
EP523/EP681	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:38	15:41	Pass	AA	SM		
EP523/EP680	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:33	15:36	Pass	AA	SM		
EP522/EP680	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:33	15:36	Pass	AA	SM		
EP522/EP679	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:33	15:36	Pass	AA	SM		
EP520/EP679	14-Sep-11	Detention Basin 5	BOS	EOS	-	-	-	-	Pass	AA	SM	Vac tested (extrusion weld)	
EP678/EP520	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:27	15:30	Pass	AA	SM		
EP678/EP520	14-Sep-11	Detention Basin 5	BOS	EOS	-	-	-	-	Pass	AA	SM	Vac tested (extrusion weld)	
EP677/EP519	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:25	15:28	Pass	AA	SM		
EP676/EP517	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:17	15:20	Pass	AA	SM		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing									Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾	Test Crew ID	QA ID	
			Start	End	Start	End	Start	End	Test			
EP676/EP516	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:16	15:19	Pass	AA	SM	
EP675/EP516	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:15	15:18	Pass	AA	SM	
EP675/EP510	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:15	15:18	Pass	AA	SM	
EP674/EP510	14-Sep-11	Detention Basin 5	BOS	EOS	30	30	15:15	15:18	Pass	AA	SM	
EP693/EP694	22-Sep-11	AOI-15	BOS	EOS	31	30	11:21	11:23	Pass	MB	SM	
EP692/EP693	22-Sep-11	AOI-15	BOS	EOS	31	30	11:19	11:21	Pass	MB	SM	
EP692/EP694	22-Sep-11	AOI-15	BOS	EOS	33	31	11:15	11:17	Pass	MB	SM	
EP690/EP692	22-Sep-11	AOI-15	BOS	EOS	32	32	11:10	11:12	Pass	MB	SM	
EP691/EP692	22-Sep-11	AOI-15	BOS	EOS	32	32	11:17	11:19	Pass	MB	SM	
EP690/EP691	22-Sep-11	AOI-15	BOS	EOS	30	30	11:28	11:30	Pass	MB	SM	
EP689/EP690	22-Sep-11	AOI-15	BOS	EOS	32	32	10:51	10:53	Pass	MB	SM	
EP689/EP691	22-Sep-11	AOI-15	BOS	EOS	31	31	10:38	10:40	Pass	MB	SM	
EP688/EP689	22-Sep-11	AOI-15	BOS	EOS	35	35	10:55	10:57	Pass	MB	SM	
EP688/EP695	22-Sep-11	AOI-15	BOS	EOS	32	29	11:57	11:59	Pass	MB	SM	
EP695/EP697	22-Sep-11	AOI-15	BOS	EOS	32	31	11:53	11:55	Pass	MB	SM	
EP696/EP695	22-Sep-11	AOI-15	BOS	EOS	33	32	12:09	12:11	Pass	MB	SM	
EP696/EP701	22-Sep-11	AOI-15	BOS	EOS	32	30	12:32	12:34	Pass	MB	SM	
EP701/EP702	22-Sep-11	AOI-15	BOS	0+13	32	30	12:40	12:42	Pass	MB	SM	R 1639 @ 0+13
EP701/EP702	22-Sep-11	AOI-15	0+13	EOS	32	32	12:42	12:44	Pass	MB	SM	
EP697/EP698	22-Sep-11	AOI-15	BOS	EOS	32	32	12:11	12:13	Pass	MB	SM	
EP698/EP699	22-Sep-11	AOI-15	BOS	EOS	32	32	12:47	12:49	Pass	MB	SM	
EP699/EP700	22-Sep-11	AOI-15	BOS	EOS	32	32	12:50	12:52	Pass	MB	SM	
EP706/EP703	22-Sep-11	AOI-15	BOS	EOS	33	33	14:05	14:07	Pass	MB	SM	
EP703/EP704	22-Sep-11	AOI-15	BOS	EOS	32	32	14:06	14:08	Pass	MB	SM	
EP704/EP705	22-Sep-11	AOI-15	BOS	EOS	32	30	14:21	14:23	Pass	MB	SM	
EP707/EP708	22-Sep-11	Detention Basin 3	BOS	EOS	31	31	15:37	15:39	Pass	MB	SM	
EP708/EP709	22-Sep-11	Detention Basin 3	BOS	EOS	33	33	15:38	15:40	Pass	MB	SM	
EP709/EP710	22-Sep-11	Detention Basin 3	BOS	EOS	32	32	15:48	15:50	Pass	MB	SM	
EP710/EP711	22-Sep-11	Detention Basin 3	BOS	0+45	30	30	16:10	16:12	Pass	MB	SM	R 1656 @ 0+45
EP710/EP711	22-Sep-11	Detention Basin 3	0+45	EOS	32	32	16:18	16:20	Pass	MB	SM	
EP711/EP713	22-Sep-11	Detention Basin 3	BOS	EOS	30	29	16:38	16:40	Pass	MB	SM	
EP711/EP712	22-Sep-11	Detention Basin 3	BOS	EOS	32	31	16:41	16:43	Pass	MB	SM	
EP714/EP715	22-Sep-11	Detention Basin 3	BOS	EOS	32	31	17:15	17:17	Pass	MB	SM	
EP714/EP712	22-Sep-11	Detention Basin 3	BOS	EOS	31	29	17:31	17:33	Pass	MB	SM	
EP714/EP711	22-Sep-11	Detention Basin 3	BOS	EOS	31	29	17:31	17:33	Pass	MB	SM	
EP714/EP710	22-Sep-11	Detention Basin 3	BOS	EOS	31	29	17:31	17:33	Pass	MB	SM	
EP714/EP709	22-Sep-11	Detention Basin 3	BOS	EOS	31	29	17:31	17:33	Pass	MB	SM	
EP714/EP708	22-Sep-11	Detention Basin 3	BOS	EOS	31	29	17:31	17:33	Pass	MB	SM	
EP714/EP707	22-Sep-11	Detention Basin 3	BOS	EOS	31	29	17:31	17:33	Pass	MB	SM	
EP714/EP709	22-Sep-11	Detention Basin 3	BOS	EOS	32	32	17:54	17:56	Pass	MB	SM	
EP715/EP716	22-Sep-11	Detention Basin 3	BOS	EOS	33	33	17:57	17:59	Pass	MB	SM	
EP716/EP717	22-Sep-11	Detention Basin 3	BOS	EOS	33	33	17:59	18:01	Pass	MB	SM	
EP717/EP718	22-Sep-11	Detention Basin 3	BOS	EOS	33	33	18:14	18:16	Pass	MB	SM	

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP718/EP719	22-Sep-11	Detention Basin 3	BOS	EOS	35	33	18:15	18:18	Pass	MB	SM		
EP714/EP556	22-Sep-11	Detention Basin 3	BOS	EOS	32	32	17:54	17:56	Pass	MB	SB		
EP713/EP664	23-Sep-11	Detention Basin 3	BOS	EOS	34	32	10:08	10:10	Pass	MB	SM		
EP711/EP661	23-Sep-11	Detention Basin 3	BOS	EOS	34	32	10:08	10:10	Pass	MB	SM		
EP710/EP661	23-Sep-11	Detention Basin 3	BOS	EOS	34	32	10:08	10:10	Pass	MB	SM		
EP710/EP660	23-Sep-11	Detention Basin 3	BOS	EOS	34	32	10:08	10:10	Pass	MB	SM		
EP709/EP660	23-Sep-11	Detention Basin 3	BOS	EOS	34	32	10:08	10:10	Pass	MB	SM		
EP709/EP659	23-Sep-11	Detention Basin 3	BOS	EOS	34	32	10:08	10:10	Pass	MB	SM		
EP708/EP659	23-Sep-11	Detention Basin 3	BOS	EOS	34	32	10:08	10:10	Pass	MB	SM		
EP708/EP658	23-Sep-11	Detention Basin 3	BOS	EOS	34	32	10:08	10:10	Pass	MB	SM		
EP707/EP658	23-Sep-11	Detention Basin 3	BOS	EOS	34	32	10:08	10:10	Pass	MB	SM		
EP707/EP656	23-Sep-11	Detention Basin 3	BOS	1+32	34	32	10:08	10:10	Pass	MB	SM	R 1666 @ 1+32 to EOS	
EP707/R 1666	23-Sep-11	Detention Basin 3	BOS	EOS	30	30	10:24	10:26	Pass	MB	SB		
EPR1666/EP706	23-Sep-11	Detention Basin 3	BOS	EOS	32	32	10:25	10:27	Pass	MB	SB		
EP706/EP654	23-Sep-11	Detention Basin 3	BOS	EOS	33	33	10:26	10:28	Pass	MB	SB		
EP706/EP575	23-Sep-11	Detention Basin 3	0+02	0+08	30	30	10:30	10:32	Pass	MB	SB	R 1667 @ BOS to 0+02 R 1668 @ 0+08 to EOS	
EP706/EP574	23-Sep-11	Detention Basin 3	BOS	EOS	32	32	10:32	10:34	Pass	MB	SB		
EP707/EP574	23-Sep-11	Detention Basin 3	BOS	0+32	30	30	10:40	10:42	Pass	MB	SB	R 1669 @ 0+32 to EOS	
EP707/EP573	23-Sep-11	Detention Basin 3	BOS	EOS	34	34	11:05	11:07	Pass	MB	SB		
EP707/EP558	23-Sep-11	Detention Basin 3	BOS	EOS	33	31	11:00	11:02	Pass	MB	SB		
EP714/EP557	23-Sep-11	Detention Basin 3	BOS	EOS	32	32	10:53	10:55	Pass	MB	SB		
EP715/EP556	23-Sep-11	Detention Basin 3	BOS	EOS	33	33	11:13	11:15	Pass	MB	SB		
EP716/EP555	23-Sep-11	Detention Basin 3	BOS	EOS	33	33	11:13	11:15	Pass	MB	SB		
EP717/EP554	23-Sep-11	Detention Basin 3	BOS	0+58	32	32	11:24	11:26	Pass	MB	SB	R 1686 @ 0+58	
EP717/EP554	23-Sep-11	Detention Basin 3	0+58	EOS	32	32	11:20	11:22	Pass	MB	SB		
EP718/EP534	23-Sep-11	Detention Basin 3	BOS	EOS	34	32	11:30	11:32	Pass	MB	SB		
EP719/EP535	23-Sep-11	Detention Basin 3	BOS	0+32	34	32	11:30	11:32	Pass	MB	SB	R 1684 @ 0+32 to 0+33	
EP719/EP535	23-Sep-11	Detention Basin 3	0+33	EOS	31	30	11:31	11:33	Pass	MB	SB		
EP702/EP495	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:21	15:24	Pass	AA	SB		
EP702/EP494	23-Sep-11	South AOI-15	0+02	EOS	30	30	15:22	15:25	Pass	AA	SB	R 1703 @ BOS to 0+02	
EP494/EP701	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:22	15:25	Pass	AA	SB		
EP493/EP701	23-Sep-11	South AOI-15	0+02	EOS	30	30	15:22	15:25	Pass	AA	SB		
EP696/EP493	23-Sep-11	South AOI-15	BOS	0+08	30	30	15:23	15:26	Pass	AA	SB	R 1725 @ 0+08 to 0+10	
EO696/EP493	23-Sep-11	South AOI-15	0+10	EOS	30	30	15:24	15:27	Pass	AA	SB		
EP696/EP491	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:23	15:26	Pass	AA	SB		
EP695/EP491	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:23	15:26	Pass	AA	SB		
EP695/EP490	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:23	15:26	Pass	AA	SB		
EP490/EP688	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:23	15:26	Pass	AA	SB		
EP688/EP489	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:23	15:26	Pass	AA	SB		
EP689/EP489	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:23	15:26	Pass	AA	SB		
EP689/R 1714	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:23	15:26	Pass	AA	SB		
EP689/EP487	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:23	15:26	Pass	AA	SB		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP690/EP653	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:23	15:26	Pass	AA	SB		
EP653/EP692	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:23	15:26	Pass	AA	SB		
EP692/EP652	23-Sep-11	South AOI-15	0+05	EOS	30	30	15:23	15:26	Pass	AA	SB	R 1718 @ BOS to 0+05	
EP652/EP694	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:33	15:36	Pass	AA	SB		
EP647/EP694	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:34	15:37	Pass	AA	SB		
EP647/EP693	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:35	15:38	Pass	AA	SB		
EP703/EP183	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:03	15:06	Pass	SA	SB	Vault Tie In	
EP704/EP183	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:03	15:06	Pass	SA	SB	Vault Tie In	
EP705/EP159	23-Sep-11	South AOI-15	BOS	EOS	30	30	15:03	15:06	Pass	SA	SB	Vault Tie In	
EP700/EP184	23-Sep-11	South AOI-15	BOS	EOS	30	28	15:05	15:10	Pass	SA	SB	Vault Tie In	
EP699/EP184	23-Sep-11	South AOI-15	BOS	EOS	30	28	15:05	15:10	Pass	SA	SB	Vault Tie In	
EP698/EP184	23-Sep-11	South AOI-15	BOS	EOS	30	28	15:05	15:10	Pass	SA	SB	Vault Tie In	
EP697/EP184	23-Sep-11	South AOI-15	BOS	EOS	30	28	15:05	15:10	Pass	SA	SB	Vault Tie In	
EP695/EP184	23-Sep-11	South AOI-15	BOS	EOS	30	28	15:05	15:10	Pass	SA	SB	Vault Tie In	
EP720/EP721	29-Sep-11	South AOI-15	BOS	EOS	29	29	14:19	14:24	Pass	GB	SB		
EP720/EP688	29-Sep-11	South AOI-15	BOS	EOS	29	28	14:57	15:00	Pass	GB	SB		
EP720/EP695	29-Sep-11	South AOI-15	BOS	EOS	29	28	14:57	15:00	Pass	GB	SB		
EP720/EP697	29-Sep-11	South AOI-15	BOS	EOS	29	28	14:57	15:00	Pass	GB	SB		
EP721/EP697	29-Sep-11	South AOI-15	BOS	EOS	29	28	14:57	15:00	Pass	GB	SB		
EP721/EP698	29-Sep-11	South AOI-15	BOS	EOS	29	28	14:57	15:00	Pass	GB	SB		
EP721/EP699	29-Sep-11	South AOI-15	BOS	EOS	29	28	14:57	15:00	Pass	GB	SB		
EP721/EP700	29-Sep-11	South AOI-15	BOS	0+12	29	28	14:57	15:00	Pass	GB	SB	R 1737 @ 0+12	
EP721/EP700	29-Sep-11	South AOI-15	0+12	EOS	30	29	15:00	15:03	Pass	GB	SB		
EP719/EP722	10-Oct-11	Detention Basin 4	0+07	EOS	33	33	10:10	10:12	Pass	MB	SM	R 1751 @ BOS to 0+07	
EP722/EP723	10-Oct-11	Detention Basin 4	BOS	EOS	33	33	10:11	10:13	Pass	MB	SM		
EP723/EP724	10-Oct-11	Detention Basin 4	BOS	0+58	31	31	10:12	10:14	Pass	MB	SM	R 1739 @ 0+58 to 0+69	
EP723/EP724	10-Oct-11	Detention Basin 4	0+69	EOS	32	32	10:27	10:29	Pass	MB	SM		
EP724/EP725	10-Oct-11	Detention Basin 4	BOS	0+51	32	32	10:28	10:30	Pass	MB	SM	R 1740 @ 0+51	
EP724/EP725	10-Oct-11	Detention Basin 4	0+51	EOS	32	32	10:29	10:31	Pass	MB	SM		
EP725/EP726	10-Oct-11	Detention Basin 4	0+11	EOS	32	32	10:45	10:47	Pass	MB	SM	R 1776 @ BOS to 0+11	
EP726/EP727	10-Oct-11	Detention Basin 4	BOS	1+11	32	32	10:46	10:48	Pass	MB	SM	R 1789 @ 1+11	
EP726/EP727	10-Oct-11	Detention Basin 4	1+11	EOS	30	30	11:04	11:06	Pass	MB	SM		
EP727/EP728	10-Oct-11	Detention Basin 4	BOS	EOS	32	32	11:12	11:14	Pass	MB	SM		
EP728/EP729	10-Oct-11	Detention Basin 4	BOS	EOS	32	32	11:10	11:12	Pass	MB	SM		
EP727/EP729	10-Oct-11	Detention Basin 4	BOS	0+35	32	32	11:46	11:48	Pass	MB	SM	R 1748 @ 0+35	
EP727/EP729	10-Oct-11	Detention Basin 4	0+35	0+50	32	32	11:45	11:47	Pass	MB	SM	R 1745 @ 0+50	
EP727/EP729	10-Oct-11	Detention Basin 4	0+50	EOS	31	31	11:15	11:17	Pass	MB	SM		
EP729/EP730	10-Oct-11	Detention Basin 4	BOS	EOS	30	30	13:00	13:02	Pass	MB	SM		
EP729/EP731	10-Oct-11	Detention Basin 4	BOS	EOS	32	32	13:07	13:09	Pass	MB	SM		
EP730/EP731	10-Oct-11	Detention Basin 4	BOS	EOS	32	32	13:02	13:04	Pass	MB	SM		
EP730/EP732	10-Oct-11	Detention Basin 4	BOS	EOS	32	32	13:30	13:32	Pass	MB	SM		
EP731/EP732	10-Oct-11	Detention Basin 4	BOS	EOS	32	32	13:32	13:34	Pass	MB	SM		
EP730/EP735	10-Oct-11	Detention Basin 4	BOS	1+32	31	31	14:12	14:14	Pass	MB	SM	R 1747 @ 1+32	

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP730/EP735	10-Oct-11	Detention Basin 4	1+32	EOS	33	33	14:14	14:16	Pass	MB	SM		
EP735/EP736	10-Oct-11	Detention Basin 4	BOS	EOS	33	33	16:16	16:18	Pass	MB	SM		
EP736/EP732	10-Oct-11	Detention Basin 4	BOS	EOS	31	31	16:19	16:21	Pass	MB	SM		
EP733/EP736	10-Oct-11	Detention Basin 4	BOS	0+05	35	35	14:23	14:25	Pass	MB	SM	R 1780 @ 0+05	
EP733/EP736	10-Oct-11	Detention Basin 4	0+05	EOS	31	31	14:29	14:31	Pass	MB	SM		
EP736/EP736	10-Oct-11	Detention Basin 4	BOS	EOS	31	31	14:25	14:27	Pass	MB	SM		
EP732/EP733	10-Oct-11	Detention Basin 4	BOS	EOS	33	33	14:33	14:35	Pass	MB	SM		
EP733/EP734	10-Oct-11	Detention Basin 4	BOS	EOS	33	33	14:39	14:41	Pass	MB	SM		
EP736/EP737	10-Oct-11	Detention Basin 4	BOS	EOS	33	33	15:11	15:13	Pass	MB	SM		
EP733/EP737	10-Oct-11	Detention Basin 4	BOS	EOS	32	32	15:04	15:06	Pass	MB	SM		
EP734/EP737	10-Oct-11	Detention Basin 4	BOS	EOS	33	33	15:02	15:04	Pass	MB	SM		
EP737/EP738	10-Oct-11	Detention Basin 4	BOS	EOS	32	32	15:14	15:16	Pass	MB	SM		
EP738/EP740	10-Oct-11	Detention Basin 4	BOS	EOS	33	33	15:27	15:29	Pass	MB	SM		
EP738/EP739	10-Oct-11	Detention Basin 4	BOS	EOS	33	33	15:41	15:43	Pass	MB	SM		
EP739/EP740	10-Oct-11	Detention Basin 4	BOS	EOS	31	31	15:31	15:33	Pass	MB	SM		
EP739/EP741	10-Oct-11	Detention Basin 4	BOS	EOS	32	32	15:40	15:42	Pass	MB	SM		
EP740/EP741	10-Oct-11	Detention Basin 4	BOS	EOS	31	31	15:28	15:30	Pass	MB	SM		
EP741/EP745	10-Oct-11	Detention Basin 4	BOS	EOS	32	32	15:48	15:50	Pass	MB	SM		
EP744/EP745	10-Oct-11	Detention Basin 4	BOS	EOS	32	32	15:49	15:51	Pass	MB	SM		
EP744/EP741	10-Oct-11	Detention Basin 4	BOS	EOS	30	30	15:51	15:53	Pass	MB	SM		
EP741/EP742	10-Oct-11	Detention Basin 4	BOS	EOS	30	30	15:56	15:58	Pass	MB	SM		
EP744/EP742	10-Oct-11	Detention Basin 4	BOS	EOS	31	31	15:55	15:57	Pass	MB	SM		
EP743/EP744	10-Oct-11	Detention Basin 4	BOS	EOS	32	32	16:04	16:06	Pass	MB	SM		
EP537/EP722	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:30	17:33	Pass	AA	SM		
EP537/EP723	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:30	17:33	Pass	AA	SM		
EP723/EP538	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:30	17:33	Pass	AA	SM		
EP538/EP724	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:30	17:33	Pass	AA	SM		
EP724/EP540	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:30	17:33	Pass	AA	SM		
EP540/EP725	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:30	17:33	Pass	AA	SM		
EP725/EP541	10-Oct-11	Detention Basin 4 Tie In	BOS	0+85	30	30	17:24	17:32	Pass	AA	SM	R 1755 @ 0+85	
EP725/EP541	10-Oct-11	Detention Basin 4 Tie In	0+85	EOS	30	30	17:24	17:27	Pass	AA	SM		
EP541/EP726	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:24	17:27	Pass	AA	SM		
EP726/EP542	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:24	17:27	Pass	AA	SM		
EP542/EPR1788	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:22	17:25	Pass	AA	SM		
EPR1788/EP776	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:23	17:26	Pass	AA	SM		
EP727/EP544	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:16	17:19	Pass	AA	SM		
EP728/EP546	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:15	17:18	Pass	AA	SM		
EP728/EP686	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:01	17:04	Pass	AA	SM		
EP729/EP686	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:01	17:04	Pass	AA	SM		
EP730/EP686	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:01	17:04	Pass	AA	SM		
EP735/EP686	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	16:59	17:02	Pass	AA	SM		
EP736/EP686	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	16:57	17:00	Pass	AA	SM		
EP737/EP686	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	16:57	17:00	Pass	AA	SM		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP738/EP686	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	16:57	17:00	Pass	AA	SM		
EP740/EP686	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	16:57	17:00	Pass	AA	SM		
EP741/EP686	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	16:57	17:00	Pass	AA	SM		
EP745/EP687	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:09	17:12	Pass	AA	SM		
EP745/EP685	10-Oct-11	Detention Basin 4 Tie In	BOS	EOS	30	30	17:09	17:12	Pass	AA	SM		
EP743/EP748	7-Dec-11	AOI-15	0+07	EOS	30	30	11:05	11:07	Pass	SB	SB		
EP748/EP749	7-Dec-11	AOI-15	BOS	EOS	30	30	11:07	11:09	Pass	SB	SB		
EP749/EP750	7-Dec-11	AOI-15	BOS	EOS	30	30	11:22	11:24	Pass	SB	SB		
EP747/EP748	7-Dec-11	AOI-15	BOS	0+04	30	30	11:27	11:29	Pass	SB	SB	R 1824 @ 0+04 to 0+05	
EP747/EP748	7-Dec-11	AOI-15	0+04	EOS	30	30	11:27	11:29	Pass	SB	SB		
EP750/EP751	7-Dec-11	AOI-15	BOS	EOS	30	30	11:40	11:42	Pass	SB	SB		
EP747/EP721	7-Dec-11	AOI-15	0+14	EOS	30	30	11:47	11:49	Pass	SB	SB	R 1821 @ BOS to 0+14	
EP748/EP721	7-Dec-11	AOI-15	BOS	EOS	30	30	11:47	11:49	Pass	SB	SB		
EP749/EP721	7-Dec-11	AOI-15	BOS	EOS	30	30	11:47	11:49	Pass	SB	SB		
EP753/EP747	7-Dec-11	AOI-15	BOS	EOS	30	30	13:10	13:12	Pass	SB	SB		
EP757/EP753	7-Dec-11	AOI-15	BOS	EOS	30	30	14:08	14:10	Pass	SB	SB		
EP747/EP752	7-Dec-11	AOI-15	BOS	EOS	30	30	13:10	13:12	Pass	SB	SB		
EP753/EP721	7-Dec-11	AOI-15	BOS	EOS	30	29	15:00	15:02	Pass	SB	SB		
EP754/EP721	7-Dec-11	AOI-15	BOS	EOS	30	30	15:14	15:16	Pass	SB	SB		
EP754/EP752	7-Dec-11	AOI-15	BOS	EOS	30	30	15:43	15:45	Pass	SB	SB		
EP754/EP753	7-Dec-11	AOI-15	BOS	EOS	30	30	15:43	15:45	Pass	SB	SB		
EP755/P90	7-Dec-11	AOI-15	BOS	EOS	30	30	16:04	16:06	Pass	SB	SB		
EP755/EP752	7-Dec-11	AOI-15	BOS	EOS	30	30	15:38	15:40	Pass	SB	SB		
EP182/EP752	7-Dec-11	AOI-15	BOS	0+70	30	30	16:12	16:14	Pass	SB	SB	R 1837 @ 0+70 Valut Tie In	
EP182/EP752	7-Dec-11	AOI-15	0+70	0+83	30	30	15:52	15:57	Pass	SB	SB	R 1883 @ 0+83 to EOS Vault Tie In	
EP752/EP182	8-Dec-11	AOI-15	BOS	0+10	30	30	5:20	5:22	Pass	SB	GS	Vault Tie In	
EP757/EP756	8-Dec-11	AOI-15	BOS	EOS	30	30	9:45	9:47	Pass	SB	GS		
EP756/EP754	8-Dec-11	AOI-15	BOS	EOS	30	30	9:45	9:47	Pass	SB	GS		
EP757/EP754	8-Dec-11	AOI-15	BOS	EOS	30	30	9:45	9:47	Pass	SB	GS		
EP756/EP758	8-Dec-11	AOI-15	BOS	EOS	30	30	9:42	9:44	Pass	SB	GS		
EP757/EP758	8-Dec-11	AOI-15	BOS	EOS	30	30	9:42	9:44	Pass	SB	GS		
EP759/EP760	8-Dec-11	AOI-15	BOS	EOS	30	30	9:52	9:57	Pass	SB	GS		
EP758/EP759	8-Dec-11	AOI-15	BOS	EOS	30	30	10:45	10:47	Pass	SB	GS		
EP758/EP760	8-Dec-11	AOI-15	BOS	EOS	30	30	10:45	10:47	Pass	SB	GS		
EP759/EP761	8-Dec-11	AOI-15	BOS	EOS	30	30	10:49	10:51	Pass	SB	GS		
EP761/EP760	8-Dec-11	AOI-15	BOS	EOS	30	30	10:49	10:51	Pass	SB	GS		
EP763/EP764	8-Dec-11	AOI-15	BOS	EOS	30	30	11:08	11:10	Pass	SB	GS		
EP761/EP762	8-Dec-11	AOI-15	BOS	1+25	30	30	11:48	11:50	Pass	SB	GS	R 1859 @ 1+25	
EP761/EP762	8-Dec-11	AOI-15	1+25	EOS	30	30	11:20	11:22	Pass	SB	GS		
EP764/EP762	8-Dec-11	AOI-15	BOS	0+73	30	30	12:55	12:57	Pass	SB	GS	R 1860 @ 0+73	
EP764/EP762	8-Dec-11	AOI-15	0+73	EOS	30	30	11:40	11:42	Pass	SB	GS		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP762/EP763	8-Dec-11	AOI-15	BOS	EOS	30	30	11:40	11:42	Pass	SB	GS		
EP765/EP763	8-Dec-11	AOI-15	BOS	EOS	30	30	15:15	15:17	Pass	SB	GS		
EP765/EP764	8-Dec-11	AOI-15	BOS	0+15	30	30	2:20	2:22	Pass	SB	GS	R 1865 @ 0+15	
EP765/EP764	8-Dec-11	AOI-15	0+15	1+22	30	30	2:15	2:15	Pass	SB	GS	R 1863 @ 1+22 to EOS	
EP766/EP765	8-Dec-11	AOI-15	BOS	0+23	30	30	2:25	2:27	Pass	SB	GS	R 1866 @ 0+23	
EP766/EP765	8-Dec-11	AOI-15	0+23	1+25	30	30	2:12	2:14	Pass	SB	GS	R 1864 @ 1+25	
EP766/EP765	8-Dec-11	AOI-15	1+25	EOS	30	30	1:50	1:52	Pass	SB	GS		
EP766/EP767	8-Dec-11	AOI-15	BOS	0+06	30	30	3:00	3:02	Pass	SB	GS	R 1875 @ 0+06	
EP766/EP767	8-Dec-11	AOI-15	0+06	0+25	30	30	2:54	2:56	Pass	SB	GS	R 1876 @ 0+25	
EP766/EP767	8-Dec-11	AOI-15	0+25	EOS	30	30	3:04	3:06	Pass	SB	GS		
EP767/EP768	8-Dec-11	AOI-15	BOS	EOS	30	30	3:48	3:50	Pass	SB	GS		
EP768/EP769	8-Dec-11	AOI-15	BOS	EOS	30	30	3:52	3:54	Pass	SB	GS		
EP770/EP771	8-Dec-11	AOI-15	BOS	EOS	30	30	4:10	4:12	Pass	SB	GS		
EP772/EP770	8-Dec-11	AOI-15	BOS	0+34	30	30	4:44	4:46	Pass	SB	GS	R 1882 @ 0+34	
EP772/EP770	8-Dec-11	AOI-15	0+34	EOS	30	30	4:40	4:42	Pass	SB	GS		
EP772/EP771	8-Dec-11	AOI-15	BOS	EOS	30	30	4:40	4:42	Pass	SB	GS		
EP770/EP769	8-Dec-11	AOI-15	BOS	0+10	30	30	4:49	4:51	Pass	SB	GS	R 1878 @ 0+10	
EP770/EP769	8-Dec-11	AOI-15	0+10	EOS	30	30	4:46	4:48	Pass	SB	GS		
EP769/EP771	8-Dec-11	AOI-15	BOS	EOS	30	30	4:46	4:48	Pass	SB	GS		
EP747/EP182	8-Dec-11	AOI-15	BOS	EOS	30	30	5:15	5:17	Pass	SB	GS	Vault Tie In	
EP747/EP181	8-Dec-11	AOI-15	BOS	EOS	30	30	5:08	5:10	Pass	SB	GS	Vault Tie In	
EP748/EP181	8-Dec-11	AOI-15	BOS	EOS	30	30	5:08	5:10	Pass	SB	GS	Vault Tie In	
EP772/EP773	9-Dec-11	AOI-15	BOS	0+33	30	30	8:40	8:42	Pass	SB	GS	R 1888 @ 0+33	
EP772/EP773	9-Dec-11	AOI-15	0+33	EOS	30	30	8:57	8:59	Pass	SB	GS		
EP774/EP773	9-Dec-11	AOI-15	BOS	EOS	30	30	9:08	9:10	Pass	SB	GS		
EP774/EP772	9-Dec-11	AOI-15	BOS	EOS	30	30	9:14	9:16	Pass	SB	GS		
EP777/EP776	9-Dec-11	AOI-15	BOS	EOS	30	30	10:43	10:45	Pass	SB	GS		
EP776/EP778	9-Dec-11	AOI-15	BOS	EOS	30	30	10:58	11:00	Pass	SB	GS		
EP777/EP778	9-Dec-11	AOI-15	BOS	EOS	30	30	10:58	11:00	Pass	SB	GS		
EP779/EP778	9-Dec-11	AOI-15	BOS	EOS	30	30	11:21	11:23	Pass	SB	GS		
EP780/EP779	9-Dec-11	AOI-15	BOS	EOS	30	30	11:50	11:52	Pass	SB	GS		
EP781/EP780	9-Dec-11	AOI-15	BOS	EOS	30	30	13:05	13:07	Pass	SB	GS		
EP780/EP782	9-Dec-11	AOI-15	BOS	EOS	30	30	13:05	13:07	Pass	SB	GS		
EP782/EP781	9-Dec-11	AOI-15	BOS	EOS	30	30	11:45	11:47	Pass	SB	GS		
EP784/EP783	9-Dec-11	AOI-15	BOS	EOS	30	30	10:22	10:24	Pass	SB	GS		
EP784/EP785	9-Dec-11	AOI-15	BOS	EOS	30	30	9:57	9:59	Pass	SB	GS		
EP780/EP783	9-Dec-11	AOI-15	BOS	EOS	30	30	14:11	14:13	Pass	SB	GS		
EP783/EP778	9-Dec-11	AOI-15	BOS	EOS	30	30	14:11	14:13	Pass	SB	GS		
EP786/EP785	9-Dec-11	AOI-15	BOS	EOS	30	30	14:43	14:45	Pass	SB	GS		
EP773/EP775	9-Dec-11	AOI-15	BOS	0+25	30	30	15:06	15:08	Pass	SB	GS	R 1891 @ 0+25 to 0+26	
EP773/EP775	9-Dec-11	AOI-15	0+26	EOS	30	30	15:11	15:13	Pass	SB	GS		
EP775/EP774	9-Dec-11	AOI-15	BOS	EOS	30	30	15:11	15:13	Pass	SB	GS		
EP783/EP779	9-Dec-11	AOI-15	BOS	EOS	30	30	14:11	14:13	Pass	SB	GS		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP777/EP783	9-Dec-11	AOI-15	BOS	EOS	30	30	14:11	14:13	Pass	SB	GS		
EP775/EP776	9-Dec-11	AOI-15	BOS	0+25	30	30	15:17	15:19	Pass	SB	GS	R 1908 @ 0+25	
EP775/EP776	9-Dec-11	AOI-15	0+25	EOS	30	30	15:17	15:19	Pass	SB	GS		
EP775/EP777	9-Dec-11	AOI-15	BOS	EOS	30	30	15:17	15:19	Pass	SB	GS		
EP775/EP783	9-Dec-11	AOI-15	BOS	EOS	30	30	15:17	15:19	Pass	SB	GS		
EP775/EP784	9-Dec-11	AOI-15	BOS	EOS	30	30	15:17	15:19	Pass	SB	GS		
EP775/EP785	9-Dec-11	AOI-15	BOS	EOS	30	30	15:17	15:19	Pass	SB	GS		
EP775/EP786	9-Dec-11	AOI-15	BOS	EOS	30	30	15:17	15:19	Pass	SB	GS		
EP789/EP788	10-Dec-11	AOI-15	BOS	EOS	30	30	7:50	7:52	Pass	SB	GS		
EP787/EP768	10-Dec-11	AOI-15	BOS	0+21	30	30	8:02	8:04	Pass	SB	GS	R 1912 @ 0+21	
EP787/EP768	10-Dec-11	AOI-15	0+21	EOS	30	30	8:12	8:14	Pass	SB	GS		
EP787/EP769	10-Dec-11	AOI-15	BOS	EOS	30	30	8:12	8:14	Pass	SB	GS		
EP787/EP771	10-Dec-11	AOI-15	BOS	EOS	30	30	8:12	8:14	Pass	SB	GS		
EP787/EP772	10-Dec-11	AOI-15	BOS	EOS	30	30	8:12	8:14	Pass	SB	GS		
EP787/EP774	10-Dec-11	AOI-15	BOS	EOS	30	30	8:12	8:14	Pass	SB	GS		
EP787/EP775	10-Dec-11	AOI-15	BOS	EOS	30	30	8:12	8:14	Pass	SB	GS		
EP765/EP789	10-Dec-11	AOI-15	BOS	EOS	30	30	14:02	14:04	Pass	SB	GS		
EP763/EP790	10-Dec-11	AOI-15	BOS	EOS	30	30	14:02	14:04	Pass	SB	GS		
EP762/EP790	10-Dec-11	AOI-15	BOS	EOS	30	30	14:02	14:04	Pass	SB	GS		
EP762/EP792	10-Dec-11	AOI-15	BOS	EOS	30	30	14:02	14:04	Pass	SB	GS		
EP792/EP761	10-Dec-11	AOI-15	BOS	EOS	30	30	14:02	14:04	Pass	SB	GS		
EP761/EP793	10-Dec-11	AOI-15	BOS	EOS	30	30	14:02	14:04	Pass	SB	GS		
EP793/EP760	10-Dec-11	AOI-15	BOS	EOS	30	30	14:02	14:04	Pass	SB	GS		
EP793/EP758	10-Dec-11	AOI-15	BOS	EOS	30	30	14:02	14:04	Pass	SB	GS		
EP758/EP795	10-Dec-11	AOI-15	BOS	EOS	30	30	14:02	14:04	Pass	SB	GS		
EP800/EP802	10-Dec-11	AOI-15	BOS	0+33	30	30	16:34	16:36	Pass	SB	GS	R 1957 @ 0+33	
EP800/EP802	10-Dec-11	AOI-15	0+33	1+15	30	30	16:40	16:42	Pass	SB	GS	R 1939 @ 1+15	
EP800/EP802	10-Dec-11	AOI-15	1+15	EOS	30	30	16:40	16:42	Pass	SB	GS		
EP802/EP801	10-Dec-11	AOI-15	BOS	EOS	30	30	17:19	17:31	Pass	SB	GS		
EP800/EP801	10-Dec-11	AOI-15	BOS	EOS	30	30	14:02	14:04	Pass	SB	SB		
EP692/EP802	10-Dec-11	AOI-15	BOS	EOS	30	30	10:26	10:28	Pass	SB	SB		
EP799/EP798	10-Dec-11	AOI-15	BOS	EOS	30	30	11:43	11:45	Pass	SB	GS		
EP798/EP797	10-Dec-11	AOI-15	BOS	0+25	30	30	13:23	13:25	Pass	SB	GS	R 1962 @ 0+25	
EP798/EP797	10-Dec-11	AOI-15	0+25	0+73	30	30	13:20	13:22	Pass	SB	GS	R 1934 @ 0+73 to EOS	
EP799/EP797	10-Dec-11	AOI-15	BOS	EOS	30	30	13:54	13:56	Pass	SB	GS		
EP797/EP796	10-Dec-11	AOI-15	BOS	EOS	30	30	13:48	13:50	Pass	SB	GS		
EP798/EP800	10-Dec-11	AOI-15	BOS	0+25	30	30	15:05	15:07	Pass	SB	GS	R 1954 @ 0+25	
EP798/EP800	10-Dec-11	AOI-15	0+25	EOS	30	30	15:00	15:02	Pass	SB	GS		
EP799/EP800	10-Dec-11	AOI-15	BOS	EOS	30	30	15:00	15:02	Pass	SB	GS		
EP799/EP801	10-Dec-11	AOI-15	BOS	0+12	30	30	14:28	14:30	Pass	SB	GS	R 1953 @ 0+12	
EP799/EP801	10-Dec-11	AOI-15	0+12	EOS	30	30	14:20	14:22	Pass	SB	GS		
EP796/EP758	10-Dec-11	AOI-15	BOS	EOS	30	30	15:15	15:17	Pass	SB	GS		
EP800/EP801	10-Dec-11	AOI-15	BOS	EOS	30	30	14:02	14:04	Pass	SB	GS		

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP787/EP766	10-Dec-11	AOI-15	BOS	EOS	30	30	14:02	14:04	Pass	SB	GS		
EP787/EP767	10-Dec-11	AOI-15	BOS	EOS	30	30	14:02	14:04	Pass	SB	GS		
EP766/EP789	10-Dec-11	AOI-15	BOS	EOS	30	30	14:02	14:04	Pass	SB	GS		
EP787/EP786	10-Dec-11	AOI-15	BOS	EOS	30	30	8:12	8:14	Pass	SB	GS		
EP787/EP788	10-Dec-11	AOI-15	BOS	0+25	30	30	8:42	8:44	Pass	SB	GS	R 1913 @ 0+25	
EP787/EP788	10-Dec-11	AOI-15	0+25	EOS	30	30	8:47	8:49	Pass	SB	GS		
EP792/EP791	10-Dec-11	AOI-15	BOS	EOS	30	30	9:13	9:15	Pass	SB	GS		
EP789/EP787	10-Dec-11	AOI-15	0+20	EOS	30	30	9:05	9:07	Pass	SB	GS	R 1915 @ BOS to 0+20	
EP789/EP790	10-Dec-11	AOI-15	BOS	0+43	30	30	9:30	9:32	Pass	SB	GS	R 1917 @ 0+43	
EP789/EP790	10-Dec-11	AOI-15	0+43	EOS	30	30	9:19	9:21	Pass	SB	GS		
EP788/EP790	10-Dec-11	AOI-15	BOS	EOS	30	30	9:30	9:32	Pass	SB	GS		
EP793/EP794	10-Dec-11	AOI-15	BOS	EOS	30	30	9:50	9:52	Pass	SB	GS		
EP793/EP792	10-Dec-11	AOI-15	BOS	EOS	30	30	10:35	10:37	Pass	SB	GS		
EP792/EP794	10-Dec-11	AOI-15	BOS	EOS	30	30	10:35	10:37	Pass	SB	GS		
EP796/EP795	10-Dec-11	AOI-15	BOS	EOS	30	30	10:45	10:47	Pass	SB	GS		
EP795/EP793	10-Dec-11	AOI-15	BOS	EOS	30	30	11:14	11:16	Pass	SB	GS		
EP795/EP794	10-Dec-11	AOI-15	BOS	0+25	30	30	11:14	11:16	Pass	SB	GS	R 1925 @ 0+25	
EP795/EP794	10-Dec-11	AOI-15	0+25	EOS	30	30	11:09	11:02	Pass	SB	GS		
EP797/EP795	10-Dec-11	AOI-15	BOS	2+05	30	30	13:34	13:36	Pass	SB	GS	R 1932 @ 2+05	
EP797/EP795	10-Dec-11	AOI-15	2+05	EOS	30	30	13:48	13:50	Pass	SB	GS		
EP806/EP807	12-Dec-11	AOI-15	BOS	EOS	30	30	17:25	17:27	Pass	SB	SB		
EP807/EP693	12-Dec-11	AOI-15	BOS	EOS	30	30	10:23	10:25	Pass	SB	SB		
EP806/EP693	12-Dec-11	AOI-15	BOS	EOS	30	30	10:23	10:25	Pass	SB	SB		
EP806/EP692	12-Dec-11	AOI-15	BOS	EOS	30	30	10:23	10:25	Pass	SB	SB		
EP802/EP806	12-Dec-11	AOI-15	BOS	0+14	30	30	17:20	17:22	Pass	SB	SB	R 1997 @ 0+14	
EP802/EP806	10-Dec-11	AOI-15	0+14	EOS	30	30	17:27	17:29	Pass	SB	SB		
EP802/EP803	12-Dec-11	AOI-15	BOS	EOS	30	30	16:50	16:52	Pass	SB	SB		
EP803/EP804	12-Dec-11	AOI-15	BOS	0+08	30	30	17:05	17:07	Pass	SB	SB	R 1960 @ 0+08 to 0+09	
EP803/EP804	12-Dec-11	AOI-15	0+09	EOS	30	30	17:07	17:09	Pass	SB	SB		
EP804/EP805	12-Dec-11	AOI-15	BOS	EOS	30	30	17:12	17:14	Pass	SB	SB		
EP790/EP763	12-Dec-11	AOI-15	BOS	EOS	30	30	15:15	15:17	Pass	SB	SB		
EP790/EP762	12-Dec-11	AOI-15	BOS	EOS	30	30	15:15	15:17	Pass	SB	SB		
EP791/EP762	12-Dec-11	AOI-15	BOS	EOS	30	30	15:15	15:17	Pass	SB	SB		
EP791/EP761	12-Dec-11	AOI-15	BOS	EOS	30	30	15:15	15:17	Pass	SB	SB		
EP794/EP760	12-Dec-11	AOI-15	BOS	EOS	30	30	15:15	15:17	Pass	SB	SB		
EP794/EP759	12-Dec-11	AOI-15	BOS	EOS	30	30	15:15	15:17	Pass	SB	SB		
EP623/EP807	14-Dec-11	AOI-15	BOS	EOS	30	30	15:04	15:09	Pass	SK	SB		
EP624/EP806	14-Dec-11	AOI-15	BOS	EOS	30	30	15:04	15:09	Pass	SK	SB		
EP624/EP807	14-Dec-11	AOI-15	BOS	EOS	30	30	15:04	15:09	Pass	SK	SB		
EP802/EP624	14-Dec-11	AOI-15	BOS	0+10	30	29	15:30	15:32	Pass	SK	SB	R 1989/DS 378 @ 0+10	
EP802/EP624	14-Dec-11	AOI-15	0+10	0+15	30	30	15:28	15:30	Pass	SK	SB	R 1993 @ 0+15	
EP802/EP624	14-Dec-11	AOI-15	0+15	0+28	31	30	15:26	15:28	Pass	SK	SB	R 1990 @ 0+28	
EP802/EP624	14-Dec-11	AOI-15	0+28	0+81	30	30	15:20	15:22	Pass	SK	SB	R 1983 @ 0+81	

TABLE 3.3.4

**SUMMARY OF LLDPE LINER NON-DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Seam Number	Test Date	Location	Pressure Testing								Test Crew ID	QA ID	Comments ⁽³⁾
			Seam Station		Pressure (psi)		Time		Pass/Fail ⁽¹⁾⁽²⁾				
			Start	End	Start	End	Start	End	Test				
EP802/EP624	14-Dec-11	AOI-15	0+81	1+12	30	29	15:18	15:23	Pass	SK	SB	R 1964 @ 1+12	
EP502/EP624	14-Dec-11	AOI-15	1+12	EOS	30	29	15:11	15:15	Pass	SK	SB		
EP624/EP803	14-Dec-11	AOI-15	BOS	EOS	30	30	15:39	15:41	Pass	SK	SB		
EP623/EP803	14-Dec-11	AOI-15	BOS	0+08	31	31	15:53	15:55	Pass	SK	SB	R 1976 @ 0+08	
EP623/EP803	14-Dec-11	AOI-15	0+08	EOS	30	30	15:44	15:45	Pass	SK	SB		
EP623/EP804	14-Dec-11	AOI-15	BOS	EOS	30	30	15:59	16:01	Pass	SK	SB		
EP621/EP804	14-Dec-11	AOI-15	BOS	0+37	30	29	16:06	16:08	Pass	SK	SB	R 1987 @ 0+37	
EP621/EP804	14-Dec-11	AOI-15	0+37	EOS	31	30	16:03	16:05	Pass	SK	SB		
EP621/EP805	14-Dec-11	AOI-15	BOS	EOS	30	30	16:10	16:12	Pass	SK	SB		
EP805/EP619	14-Dec-11	AOI-15	BOS	EOS	30	30	16:45	16:47	Pass	SK	SB		

Notes:

BOS = beginning of seam
EOS = end of seam

⁽¹⁾ The following are acceptance/rejection criteria for non-destructive seam testing:

- ⁽²⁾
- Per GRI GM6, the maximum pressure drop for 60 mil smooth and textured LLDPE over a 2 minute pressure test is 3.0 psi.
 - Per GRI GM6, the minimum air pressure for the air pressure test is 25 psi and the maximum air pressure is 35 psi for 60 mil smooth and textured LLDPE liner.
 - Per ASTM 5641, a vacuum is applied to a soaped section of seam, if bubbles appear, it indicates unbonded areas that will therefore require repair (i.e. seam failed test). No bubbles indicate an acceptable seam.

The vacuum box test does not require time or air pressure measurements to be collected.

⁽³⁾ Refer to Table 3.3.6 for seam repair details and Table 3.3.5 for destructive test details.

TABLE 3.3.5
SUMMARY OF LLDPE LINER DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Sample ID	Area	Location	Seam Number	Field Test Date	Weld Type ⁽¹⁾	Peel 1A ⁽¹⁾	Peel 1B ⁽¹⁾	Peel 2A ⁽¹⁾	Peel 2B ⁽¹⁾	Peel 3A ⁽¹⁾	Peel 3B ⁽¹⁾	Peel 4A ⁽¹⁾	Peel 4B ⁽¹⁾	Peel 5A ⁽¹⁾	Peel 5B ⁽¹⁾	Shear 1A ⁽¹⁾	Shear 1B ⁽¹⁾	Shear 2A ⁽¹⁾	Shear 2B ⁽¹⁾	Test Pass/Fail ^(3,4)
DS 1	Area 3	EAOI-10	1/3	7/29/2008	Heat Fusion	110	106	108	111	108	109	110	110	111	110	114	114	114	116	P
DS 2	Area 3	EAOI-10	2/3	7/29/2008	Heat Fusion	113	112	123	118	116	115	110	110	117	120	122	124	117	120	P
DS 3	Area 3	EAOI-10	3/4	7/29/2008	Heat Fusion	121	117	119	115	117	115	118	113	116	115	119	121	117	123	P
DS 4	Area 3	EAOI-10	6/8	7/29/2008	Heat Fusion	113	111	107	113	114	113	114	112	114	114	117	119	116	118	P
DS 5	Area 3	EAOI-10	4/6	7/29/2008	Heat Fusion	114	113	116	114	115	110	100	99	110	114	115	117	115	115	P
DS 6	Area 3	EAOI-10	6/8	7/29/2008	Heat Fusion	114	110	113	109	110	110	111	108	111	111	112	114	112	112	P
DS 7	Area 3	EAOI-10	8/10	7/29/2008	Heat Fusion	109	109	110	109	110	110	111	111	110	111	110	111	111	110	P
DS 8	Area 3	EAOI-10	10/11	7/29/2008	Heat Fusion	100	108	109	109	104	109	101	108	102	106	109	105	107	113	P
DS 9	Area 3	EAOI-10	11/12	7/29/2008	Heat Fusion	108	111	111	114	110	109	114	110	110	110	114	116	115	114	P
DS 10	Area 3	EAOI-10	11/18	8/4/2008	Heat Fusion	105	102	105	107	114	106	113	112	107	115	113	116	116	114	P
DS 11	Area 3	EAOI-10	13/14	8/4/2008	Heat Fusion	113	109	116	109	118	112	118	110	112	109	123	112	112	123	P
DS 12	Area 3	EAOI-10	15/16	8/4/2008	Heat Fusion	115	109	112	112	114	110	115	111	115	109	118	117	119	119	P
DS 13	Area 3	EAOI-10	16/18	8/4/2008	Heat Fusion	115	117	101	100	116	110	112	101	116	112	119	117	106	118	P
DS 14	Area 3	EAOI-10	18/21	8/4/2008	Heat Fusion	108	108	104	101	113	107	111	112	108	111	116	115	106	115	P
DS 15	Area 3	EAOI-10	21/23	8/4/2008	Heat Fusion	113	111	109	101	108	109	103	105	110	111	112	114	105	114	P
DS 16	Area 3	EAOI-10	24/1	8/9/2008	Heat Fusion	130	121	118	113	125	120	113	112	133	122	134	128	140	136	P
DS 17	Area 3	EAOI-10	24/25	8/9/2008	Heat Fusion	117	109	113	101	128	113	101	102	121	118	129	127	130	129	P
DS 18	Area 3	EAOI-10	25/26	8/9/2008	Heat Fusion	112	123	104	110	117	122	107	112	123	123	116	130	121	126	P
DS 19	Area 3	EAOI-10	28/29	8/9/2008	Heat Fusion	118	105	109	101	117	106	104	109	86	122	100	103	108	114	P
DS 20	Area 3	EAOI-10	31/32	8/11/2008	Heat Fusion	104	108	100	105	104	103	102	100	106	104	111	113	109	115	P
DS 21	Area 3	EAOI-10	32/33	8/11/2008	Heat Fusion	110	106	101	104	100	100	106	102	110	105	114	110	113	114	P
DS 22	Area 3	EAOI-10	35/36	8/11/2008	Single Extrusion	113	-	115	-	108	-	105	-	113	-	108	108	110	116	P
DS 23	Area 3	EAOI-10	40/41	8/11/2008	Heat Fusion	137	126	112	114	128	124	118	111	123	119	135	125	135	131	P
DS 24	Area 3	EAOI-10	41/42	8/11/2008	Heat Fusion	123	118	105	102	118	116	102	111	116	110	120	111	118	123	P
DS 25	Area 3	EAOI-10	29/42	8/11/2008	Heat Fusion	119	122	109	113	110	118	100	114	120	115	131	115	126	129	P
DS 26	Area 3	EAOI-10	42/43	8/12/2008	Heat Fusion	83	89	80	87	87	85	82	81	83	79	90	91	90	91	P
DS 27	Area 3	EAOI-10	44/45	8/12/2008	Heat Fusion	92	90	86	90	88	85	89	90	93	94	98	91	93	92	P
DS 28	Area 3	EAOI-10	47/48	8/12/2008	Heat Fusion	88	90	87	83	86	90	87	80	92	92	93	92	91	93	P
DS 29	Area 3	EAOI-10	49/50	8/12/2008	Heat Fusion	89	79	88	80	86	82	80	85	88	81	100	97	90	99	P
DS 30	Area 3	EAOI-10	1/52	8/13/2008	Heat Fusion	107	123	120	119	110	121	100	118	115	122	133	123	134	129	P
DS 31	Area 3	EAOI-10	51/55	8/13/2008	Heat Fusion	114	122	126	118	126	121	110	112	122	121	133	118	120	134	P
DS 32	Area 3	EAOI-10	53/55	8/13/2008	Heat Fusion	124	125	108	113	127	120	114	123	122	122	128	117	129	128	P
DS 33	Area 3	EAOI-10	51/54	8/13/2008	Heat Fusion	123	121	119	120	127	128	130	129	124	131	130	116	125	129	P
DS 34	Area 2	West AOI-6	58/66	8/18/2008	Heat Fusion	123	116	112	98	116	119	98	102	115	116	114	121	131	128	P
DS 35	Area 2	West AOI-6	58/60	8/18/2008	Heat Fusion	118	114	110	90	116	113	107	100	112	114	116	101	112	110	P
DS 36	Area 2	West AOI-11	61/62	8/18/2008	Heat Fusion	86	109	90	102	87	107	76	105	86	102	112	113	111	109	P
DS 37	Area 2	West AOI-11	64/65	8/18/2008	Heat Fusion	113	112	98	91	108	106	103	93	105	112	114	100	99	100	P
DS 38	Area 2	West AOI-6	63/64	8/18/2008	Heat Fusion	105	111	93	94	107	103	97	96	105	104	114	111	112	118	P
DS 39	Area 2	West AOI-6	66/74	8/18/2008	Heat Fusion	113	100	98	95	114	106	97	93	108	104	113	97	100	107	P
DS 40	Area 2	West AOI-11	67/68	8/18/2008	Heat Fusion	106	107	101	94	104	107	95	87	104	103	106	92	96	107	P
DS 41	Area 2	West AOI-6	70/71	8/18/2008	Heat Fusion	103	97	90	91	103	90	97	98	103	98	99	97	100	99	P
DS 42	Area 2	West AOI-6	65/78	8/21/2008	Heat Fusion	111	104	109	102	104	107	103	100	111	106	108	106	110	106	P
DS 43	Area 2	West AOI-6	80/W-210	8/21/2008	Heat Fusion	116	107	103	106	122	114	106	101	107	115	126	110	123	127	P
DS 44	Area 2	West AOI-6	78/80	8/21/2008	Heat Fusion	125	119	105	107	116	107	108	107	119	115	126	109	112	119	P
DS 45	Area 2	West AOI-11	83/84	8/21/2008	Heat Fusion	119	115	104	100	119	115	112	103	114	114	124	121	122	122	P
DS 46	Area 2	West AOI-6	84/85	8/21/2008	Heat Fusion	118	113	115	115	119	110	114	107	116	112	120	121	123	121	P
DS 47	Area 2	East AOI-6	86/87	8/21/2008	Heat Fusion	100	103	106	109	109	108	107	102	108	101	104	104	101	107	P
DS 48	Area 3	EAOI-10	89/90	9/10/2008	Heat Fusion	124	117	117	120	123	125	114	117	131	124	144	137	118	142	P
DS 49	Area 3	EAOI-10	23/89	9/10/2008	Heat Fusion	130	110	115	99	127	131	118	119	127	132	135	134	121	136	P
DS 50	Area 3	EAOI-10	89/91	9/10/2008	Heat Fusion	113	125	117	111	121	123	114	108	123	126	131	130	118	128	P
DS 51	Area 3	EAOI-10	91/93	9/10/2008	Heat Fusion	135	129	118	113	130	131	118	111	127	130	134	137	124	139	P
DS 52	Area 3	EAOI-10	91/92	9/10/2008	Heat Fusion	125	118	114	112	132	123	117	108	129	129	132	119	132	132	P
DS 53	Area 3	EAOI-10	93/94	9/10/2008	Heat Fusion	128	113	112	111	125	124	113	113	127	126	132	122	131	135	P
DS 54	Area 3	EAOI-10	94/96	9/10/2008	Heat Fusion	131	124	111	111	131	124	112	112	128	122	1269	118	124	128	P
DS 55	Area 3	EAOI-10	94/95	9/10/2008	Heat Fusion	124	127	116	111	120	127	123	128	125	123	134	126	126	135	P
DS 56	Area 3	EAOI-10	96/97	9/11/2008	Heat Fusion	105	101	95	99	109	105	93	93	105	105	107	94	100	104	P
DS 57	Area 3	EAOI-10	95/98	9/11/2008	Heat Fusion	101	108	90	101	105	101	108	92	97	102	109	107	95	110	P

TABLE 3.3.5
SUMMARY OF LLDPE LINER DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Sample ID	Area	Location	Seam Number	Field Test Date	Weld Type ⁽¹⁾	Peel 1A ⁽¹⁾	Peel 1B ⁽¹⁾	Peel 2A ⁽¹⁾	Peel 2B ⁽¹⁾	Peel 3A ⁽¹⁾	Peel 3B ⁽¹⁾	Peel 4A ⁽¹⁾	Peel 4B ⁽¹⁾	Peel 5A ⁽¹⁾	Peel 5B ⁽¹⁾	Shear 1A ⁽¹⁾	Shear 1B ⁽¹⁾	Shear 2A ⁽¹⁾	Shear 2B ⁽¹⁾	Test Pass/Fail ^(3,4)
DS 58	Area 3	EAOI-10	98/99	9/11/2008	Heat Fusion	109	105	97	92	101	104	105	110	97	98	107	96	108	108	P
DS 59	Area 3	EAOI-10	15/R204	9/17/2008	Heat Fusion	104	-	114	-	118	-	108	-	121	-	135	134	142	139	P
DS 60	Area 2	West AOI-6	74	9/16/2008	Heat Fusion	114	-	111	-	103	-	111	-	104	-	117	115	115	113	P
DS 61	Area 2	West AOI-6	74/R-230	9/16/2008	Heat Fusion	107	-	115	-	106	-	106	-	107	-	112	112	118	115	P
DS 62	Area 2	West AOI-6	82/R-209	9/16/2008	Heat Fusion	98	-	98	-	96	-	96	-	96	-	110	110	108	114	P
DS 63	Area 2	West AOI-6	80	9/16/2008	Heat Fusion	108	-	103	-	103	-	105	-	106	-	119	115	117	111	P
DS 64	Area 4	West AOI-5	100/102	9/19/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 65	Area 4	West AOI-5	103/105	9/19/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 66	Area 4	West AOI-5	106/107	9/19/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 67	Area 4	West AOI-5	110/111	9/19/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 68	Area 4	West AOI-5	101/103	9/19/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 69	Area 4	East AOI-5	104/105	9/19/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 70	Area 4	West AOI-5	109/110	9/19/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 71	Area 4	West AOI-5	116/117	9/20/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 72	Area 4	West AOI-5	107/118	9/20/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 73	Area 4	West AOI-5	123/124	9/20/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 74	Area 4	East AOI-5	128/129	9/20/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 75	Area 4	West AOI-5	120/128	9/20/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 76	Area 4	West AOI-5	117/118	9/20/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 77	Area 4	West AOI-5	121/122	9/20/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 78	Area 4	East AOI-5	125/126	9/20/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 79	Area 4	East AOI-5	130/131	9/20/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 80	Area 3	EAOI-10	Tie In 1/93	9/22/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 81	Area 3	EAOI-10	Tie In 2/4	9/22/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 82	Area 4	West AOI-5	100/132	9/23/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 83	Area 4	West AOI-5	135/137	9/23/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 84	Area 4	West AOI-5	132/134	9/23/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 85	Area 4	West AOI-5	133/135	9/23/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 86	Area 4	East AOI-5	134/136	9/23/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 87	Area 4	West AOI-5	139/140	9/23/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 88	Area 4	West AOI-5	140/141	9/23/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 89	Area 4	West AOI-5	138/139	9/23/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 90	Area 4	West AOI-5	138/140	9/23/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 91	Area 4	West AOI-5	141/142	9/26/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 92	Area 4	West AOI-5	143/145	9/26/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 93	Area 4	West AOI-5	142/144	9/26/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 94	Area 4	West AOI-5	145/146	9/26/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 95	Area 3	EAOI-10	Tie In 4/10	9/28/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 96	Area 3	EAOI-10	Tie In 4/96	9/28/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 97	Area 3	EAOI-10	Tie In 3/R343	9/28/2008	Single Extrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 98	Area 4	West AOI-5	146/149	9/30/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 99	Area 4	West AOI-5	149/150	9/30/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 100	Area 4	West AOI-5	151/153	9/30/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 101	Area 4	West AOI-5	152/153	9/30/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 102	Area 4	West AOI-5/Vault Tie-In	37/150	9/30/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 103	Area 4	West AOI-5/Vault Tie-In	35/152	9/30/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 104	Area 3	EAOI-10	12/R388	10/6/2008	Single Extrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 105	Area 2	West AOI-11	193/194	11/10/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 106	Area 2	West AOI-11	194/195	11/10/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 107	Area 2	West AOI-11	193/199	11/10/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 108	Area 2	West AOI-11	68/189	11/10/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 109	Area 1	West AOI-8	203/205	11/11/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 110	Area 1	West AOI-8	207/209	11/11/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 111	Area 1	West AOI-8	206/208	11/11/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 112	Area 1	West AOI-8	206/207	11/11/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 113	Area 1	West AOI-8	200/202	11/11/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 114	Area 1	West AOI-8	205/206	11/11/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P

TABLE 3.3.5
SUMMARY OF LLDPE LINER DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Sample ID	Area	Location	Seam Number	Field Test Date	Weld Type ⁽¹⁾	Peel 1A ⁽¹⁾	Peel 1B ⁽¹⁾	Peel 2A ⁽¹⁾	Peel 2B ⁽¹⁾	Peel 3A ⁽¹⁾	Peel 3B ⁽¹⁾	Peel 4A ⁽¹⁾	Peel 4B ⁽¹⁾	Peel 5A ⁽¹⁾	Peel 5B ⁽¹⁾	Shear 1A ⁽¹⁾	Shear 1B ⁽¹⁾	Shear 2A ⁽¹⁾	Shear 2B ⁽¹⁾	Test Pass/Fail ^(3,4)	
DS 115	Area 2	West AOI-11	199/213	11/10/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 116	Area 1	West AOI-8	209/210	11/11/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 117	Area 1	West AOI-8	210/211	11/11/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 118	Area 1	West AOI-8	213/214	11/10/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 119	Area 2	West AOI-11	216/217	11/10/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 120	Area 2	West AOI-11	217/218	11/11/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 121	Area 2	West AOI-11	214/215	11/10/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 122	Area 2	West AOI-11	64/219	11/17/2008	Single Extrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 123	Area 2	West AOI-11	58/214	11/17/2008	Single Extrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 124	Area 2	West AOI-11	220/227	11/20/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 125	Area 2	West AOI-11	229/230	11/20/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 126	Area 2	West AOI-11	83/228	11/20/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 127	Area 2	East AOI-11	235/236	11/22/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 128	Area 2	East AOI-11	236/237	11/22/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 129	Area 2	East AOI-11	237/238	11/22/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 130	Area 2	East AOI-6	241/242	11/22/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 131	Area 1	West AOI-8	201/213	11/22/2008	Single Extrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 132	Area 1	West AOI-8	243/244	11/22/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 133	Area 1	West AOI-8	247/248	11/22/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 134	Area 1	West AOI-8	225/258	12/5/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 135	Area 1	West AOI-8	211/257	12/5/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 136	Area 1	West AOI-8	211/253	12/5/2008	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 137	Area 1	P201	269/260	4/6/2010	Heat Fusion	116	111	116	118	115	112	113	115	110	108	118	121	120	119		P
DS 138	Area 1	P201	260/261	4/6/2010	Heat Fusion	106	111	105	112	109	115	106	110	105	111	121	118	118	118		P
DS 139	Area 1	P201	263/265	4/6/2010	Heat Fusion	117	113	110	112	113	108	113	110	109	112	116	116	116	116		P
DS 140	Area 1	P201	266/267	4/6/2010	Heat Fusion	123	121	108	110	122	120	120	114	108	106	127	124	120	123		P
DS 141	Area 1	P201	268/269	4/6/2010	Heat Fusion	115	117	111	118	116	118	110	105	112	110	123	123	122	121		P
DS 142	Area 1	P201	269/270	4/6/2010	Heat Fusion	108	122	116	106	116	119	110	117	108	107	125	122	123	122		P
DS 143	Area 1	P201	273/274	4/6/2010	Heat Fusion	118	118	118	116	118	115	116	112	117	114	121	119	118	115		P
DS 144	Area 1	P201	276/277	4/6/2010	Heat Fusion	117	116	114	111	117	120	100	110	102	106	117	117	117	118		P
DS 145	Area 1	P201	282/283	4/7/2010	Heat Fusion	121	110	117	107	119	113	119	108	117	106	131	129	130	127		P
DS 146	Area 1	P201	285/286	4/7/2010	Heat Fusion	117	106	118	108	110	104	106	106	106	104	106	117	116	117		P
DS 147	Area 1	P201	287/288	4/10/2010	Heat Fusion	95	90	95	92	97	92	92	92	95	86	100	89	91	102		P
DS 148	Area 1	P201	288/289	4/10/2010	Heat Fusion	115	117	116	114	116	118	124	127	116	112	128	121	123	126		P
DS 149	Area 1	P201	288/290	4/10/2010	Heat Fusion	111	111	105	105	111	110	109	107	110	102	120	117	119	122		P
DS 150	Area 1	P201	290/292	4/10/2010	Heat Fusion	120	110	107	101	109	98	116	106	111	105	110	115	112	108		P
DS 151	Area 1	P201	292/293	4/10/2010	Heat Fusion	109	114	101	103	111	109	107	104	101	108	121	119	119	123		P
DS 152	Area 1	P201	293/295	4/10/2010	Heat Fusion	111	114	103	113	103	108	113	107	100	103	119	116	116	120		P
DS 153	Area 1	P201	295/296	4/10/2010	Heat Fusion	106	110	109	108	105	109	109	104	111	110	114	112	115	113		P
DS 154	Area 1	P201	270/291	4/10/2010	Heat Fusion	103	110	98	98	102	101	99	102	103	98	108	112	108	109		P
DS 155	Area 1	P201	297/298	4/10/2010	Heat Fusion	97	104	103	105	104	109	101	102	103	110	107	110	106	108		P
DS 156	Area 1	P201	298/300	4/10/2010	Heat Fusion	95	101	92	98	100	102	97	97	102	103	104	103	107	109		P
DS 157	Area 1	P201	299/301	4/10/2010	Heat Fusion	101	104	96	99	96	99	99	100	100	96	98	96	102	108		P
DS 158	Area 1	P201	301/302	4/10/2010	Heat Fusion	100	109	101	106	101	107	107	100	106	105	115	111	107	107		P
DS 159	Area 1	P201	302/303	4/10/2010	Heat Fusion	92	100	84	80	97	100	97	101	94	92	96	97	94	96		P
DS 160	Area 1	P201	305/307	4/10/2010	Heat Fusion	109	101	105	106	112	107	101	101	105	104	107	107	109	106		P
DS 161	Area 1	P201	309/310	4/10/2010	Heat Fusion	115	101	110	98	112	100	113	105	107	94	105	108	107	109		P
DS 162	Area 1	P201	307/312	4/10/2010	Heat Fusion	102	102	100	106	100	101	101	101	97	100	100	108	95	104		P
DS 163	Area 1	P201	276/285	4/9/2010	Single Extrusion	111	-	114	-	115	-	119	-	108	-	116	117	116	117		P
DS 164	Area 1	P201	EPDS/153/296	4/12/2010	Single Extrusion	95	-	95	-	100	-	95	-	106	-	106	102	100	111		P
DS 165	Area 1	P201	315/316	4/12/2010	Heat Fusion	107	95	108	107	110	103	109	107	107	100	105	100	106	106		P
DS 166	Area 1	P201	319/321	4/12/2010	Heat Fusion	105	102	111	108	101	100	101	105	98	101	104	105	95	99		P
DS 167	Area 1	P201	322/323	4/12/2010	Heat Fusion	110	102	106	103	107	92	105	103	88	100	101	103	98	100		P
DS 168	Area 1	P201	287/325	4/12/2010	Heat Fusion	104	108	103	107	100	105	102	103	100	100	105	102	103	102		P
DS 169	Area 1	P201	325/326	4/12/2010	Heat Fusion	103	104	104	104	105	111	108	102	102	91	99	102	100	99		P
DS 170	Area 1	P201	328/329	4/12/2010	Heat Fusion	110	96	110	106	107	107	108	102	105	99	105	107	104	109		P
DS 171	Area 1	P201	331/332	4/12/2010	Heat Fusion	97	96	103	105	95	104	95	103	96	99	107	105	104	103		P

TABLE 3.3.5
SUMMARY OF LLDPE LINER DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Sample ID	Area	Location	Seam Number	Field Test Date	Weld Type ⁽¹⁾	Peel 1A ⁽¹⁾	Peel 1B ⁽¹⁾	Peel 2A ⁽¹⁾	Peel 2B ⁽¹⁾	Peel 3A ⁽¹⁾	Peel 3B ⁽¹⁾	Peel 4A ⁽¹⁾	Peel 4B ⁽¹⁾	Peel 5A ⁽¹⁾	Peel 5B ⁽¹⁾	Shear 1A ⁽¹⁾	Shear 1B ⁽¹⁾	Shear 2A ⁽¹⁾	Shear 2B ⁽¹⁾	Test Pass/Fail ^(3,4)
DS 172	Area 1	P201 Ditch	337/338	4/12/2010	Heat Fusion	96	100	104	105	100	104	107	103	102	106	100	108	98	107	P
DS 173	Area 1	P201	326/330	4/12/2010	Heat Fusion	103	100	106	99	99	100	104	97	95	97	99	96	103	103	P
DS 174	Area 1	P201	317/303	4/12/2010	Heat Fusion	110	91	105	100	100	100	102	98	103	99	94	104	101	103	P
DS 175	Area 1	Detention Basin 6	347/348	6/8/2010	Heat Fusion	81	99	91	98	91	87	-	-	-	-	160	-	162	-	P
DS 176	Area 1	Detention Basin 6	348/349	6/8/2010	Heat Fusion	89	92	93	87	99	91	-	-	-	-	158	-	164	-	P
DS 177	Area 1	Detention Basin 6	351/352	6/8/2010	Heat Fusion	91	95	93	85	99	90	-	-	-	-	161	-	165	-	P
DS 178	Area 1	Detention Basin 6	353/EPR755	6/8/2010	Single Extrusion	89	91	92	90	96	89	-	-	-	-	128	-	121	-	P
DS 179	Area 1	P201 Bump Out	357/358	6/9/2010	Heat Fusion	100	99	98	96	97	101	-	-	-	-	131	-	122	-	P
DS 180	Area 2	East AOI-6	363/364	8/26/2010	Heat Fusion	91	92	86	93	86	86	-	-	-	-	97	92	96	-	P
DS 181	Area 2	East AOI-6	367/368	8/26/2010	Heat Fusion	87	94	91	91	89	89	-	-	-	-	98	98	97	-	P
DS 182	Area 2	East AOI-6	368/369	8/26/2010	Heat Fusion	94	91	88	97	98	88	-	-	-	-	102	103	102	-	P
DS 183	Area 2	East AOI-6	242/372	8/26/2010	Heat Fusion	89	87	86	92	95	96	-	-	-	-	104	109	104	-	P
DS 184	Area 2	East AOI-6	372/373	8/26/2010	Heat Fusion	87	94	90	90	92	89	-	-	-	-	99	100	97	-	P
DS 185	Area 2	East AOI-6	375/376	8/26/2010	Heat Fusion	97	92	95	96	93	95	-	-	-	-	99	104	103	-	P
DS 186	Area 2	East AOI-6	376/377	8/26/2010	Heat Fusion	88	89	84	84	87	90	-	-	-	-	94	97	94	-	P
DS 187	Area 2	East AOI-6	380/382	8/26/2010	Heat Fusion	87	96	93	96	88	93	-	-	-	-	98	93	98	-	P
DS 188	Area 2	AOI-6/10	390/391	8/26/2010	Heat Fusion	91	89	93	94	99	92	-	-	-	-	102	105	105	-	P
DS 189	Area 2	AOI-6/10	391/392	8/26/2010	Heat Fusion	92	90	94	94	96	93	-	-	-	-	96	102	104	-	P
DS 190	Area 2	AOI-6/10	392/393	8/26/2010	Heat Fusion	85	84	84	82	89	84	-	-	-	-	96	99	94	-	P
DS 191	Area 2	East AOI-6	373/383	8/26/2010	Heat Fusion	105	96	98	97	96	93	-	-	-	-	105	109	103	-	P
DS 192	Area 2	AOI-6/10	395/396	8/26/2010	Heat Fusion	100	99	97	97	92	99	-	-	-	-	94	98	99	-	P
DS 193	Area 2	AOI-6/10	393/398	8/26/2010	Heat Fusion	88	96	85	98	86	98	-	-	-	-	97	101	95	-	P
DS 194	Area 2	AOI-6/10	46/387	8/27/2010	Single Extrusion	85	-	81	-	86	-	-	-	-	-	109	114	114	-	P
DS 195	Area 2	East AOI-11	403/404	8/31/2010	Heat Fusion	86	91	89	92	96	89	-	-	-	-	98	96	97	-	P
DS 196	Area 2	East AOI-11	404/405	8/31/2010	Heat Fusion	90	87	87	85	86	90	-	-	-	-	95	93	93	-	P
DS 197	Area 2	East AOI-11	406/407	8/31/2010	Heat Fusion	84	85	85	88	85	88	-	-	-	-	94	97	96	-	P
DS 198	Area 2	East AOI-11	407/408	8/31/2010	Heat Fusion	90	93	86	91	100	93	-	-	-	-	98	104	102	-	P
DS 199	Area 2	East AOI-11	402/407	8/31/2010	Heat Fusion	86	91	88	87	88	87	-	-	-	-	95	93	95	-	P
DS 200	Area 4	East AOI-5	449/450	9/21/2010	Heat Fusion	114	118	117	119	121	117	-	-	-	-	126	125	126	-	P
DS 201	Area 4	East AOI-5	446/447	9/21/2010	Heat Fusion	116	115	117	114	120	116	-	-	-	-	122	121	121	-	P
DS 202	Area 4	East AOI-5	444/445	9/21/2010	Heat Fusion	111	119	102	121	117	117	-	-	-	-	119	119	117	-	P
DS 203	Area 4	East AOI-5	413/411	9/20/2010	Heat Fusion	114	112	116	107	113	115	-	-	-	-	117	118	121	-	P
DS 204	Area 4	East AOI-5	414/415	9/20/2010	Heat Fusion	107	109	115	113	114	112	-	-	-	-	119	118	120	-	P
DS 205	Area 4	East AOI-5	415/416	9/20/2010	Heat Fusion	110	104	106	115	114	106	-	-	-	-	115	127	124	-	P
DS 206	Area 4	East AOI-5	419/420	9/20/2010	Heat Fusion	97	97	99	98	104	97	-	-	-	-	107	105	105	-	P
DS 207	Area 4	East AOI-5	417/418	9/20/2010	Heat Fusion	110	101	101	104	105	108	-	-	-	-	115	112	112	-	P
DS 208	Area 4	East AOI-5	422/423	9/20/2010	Heat Fusion	111	112	116	114	116	116	-	-	-	-	120	121	120	-	P
DS 209	Area 4	East AOI-5	423/424	9/20/2010	Heat Fusion	92	90	94	95	95	93	-	-	-	-	104	106	106	-	P
DS 210	Area 4	East AOI-5	425/426	9/20/2010	Heat Fusion	106	109	111	107	107	112	-	-	-	-	116	116	117	-	P
DS 211	Area 4	East AOI-5	426/427	9/20/2010	Heat Fusion	108	107	109	109	110	109	-	-	-	-	115	113	112	-	P
DS 212	Area 4	East AOI-5	429/430	9/20/2010	Heat Fusion	88	92	97	98	98	98	-	-	-	-	101	105	101	-	P
DS 213	Area 4	East AOI-5	430/432	9/21/2010	Heat Fusion	97	92	92	101	96	103	-	-	-	-	103	107	107	-	P
DS 214	Area 4	East AOI-5	432/433	9/21/2010	Heat Fusion	90	99	95	90	102	97	-	-	-	-	107	111	109	-	P
DS 215	Area 4	East AOI-5	434/438	9/21/2010	Heat Fusion	100	100	103	99	93	93	-	-	-	-	105	100	98	-	P
DS 216	Area 4	East AOI-5	440/441	9/21/2010	Heat Fusion	88	91	92	91	93	93	-	-	-	-	102	101	101	-	P
DS 217	Area 4	East AOI-5	433/127	9/21/2010	Heat Fusion	91	91	92	96	93	98	-	-	-	-	102	110	109	-	P
DS 218	Area 4	East AOI-5	423/425/102	9/21/2010	Heat Fusion	95	100	96	100	98	99	-	-	-	-	106	106	108	-	P
DS 219	Area 5	East AOI-4	452/453	11/4/2010	Heat Fusion	118	130	113	125	115	120	-	-	-	-	131	-	134	-	P
DS 220	Area 5	West AOI-4	458/457	11/4/2010	Heat Fusion	113	124	115	121	118	120	-	-	-	-	135	-	138	-	P
DS 221	Area 5	West AOI-4	463/465	11/4/2010	Heat Fusion	114	126	114	120	116	121	-	-	-	-	139	-	140	-	P
DS 222	Area 5	West AOI-4	467/468	11/4/2010	Heat Fusion	115	116	118	120	105	121	-	-	-	-	129	-	131	-	P
DS 223	Area 5	West AOI-4	468/469	11/4/2010	Heat Fusion	112	120	108	117	115	121	-	-	-	-	135	-	141	-	P
DS 224	Area 5	West AOI-4	473/474	11/5/2010	Heat Fusion	121	128	122	125	125	114	-	-	-	-	131	-	133	-	P
DS 225	Area 5	West AOI-4	476/477	11/5/2010	Heat Fusion	120	124	106	117	109	118	-	-	-	-	129	-	133	-	P
DS 226	Area 5	West AOI-4	478/479	11/5/2010	Heat Fusion	126	129	121	122	121	127	-	-	-	-	129	-	130	-	P
DS 227	Area 5	West AOI-4	480/482	11/5/2010	Heat Fusion	105	113	110	121	114	122	-	-	-	-	120	-	123	-	P
DS 228	Area 5	West AOI-4	483/484	11/5/2010	Heat Fusion	117	123	110	116	114	119	-	-	-	-	121	-	124	-	P

TABLE 3.3.5
SUMMARY OF LLDPE LINER DESTRUCTIVE SEAM TEST RESULTS
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Test Sample ID	Area	Location	Seam Number	Field Test Date	Weld Type ⁽¹⁾	Peel 1A ⁽¹⁾	Peel 1B ⁽¹⁾	Peel 2A ⁽¹⁾	Peel 2B ⁽¹⁾	Peel 3A ⁽¹⁾	Peel 3B ⁽¹⁾	Peel 4A ⁽¹⁾	Peel 4B ⁽¹⁾	Peel 5A ⁽¹⁾	Peel 5B ⁽¹⁾	Shear 1A ⁽¹⁾	Shear 1B ⁽¹⁾	Shear 2A ⁽¹⁾	Shear 2B ⁽¹⁾	Test Pass/Fail ^(3,4)
DS 229	Area 5	West AOI-4	485/486	11/5/2010	Heat Fusion	109	113	112	114	113	119	-	-	-	-	121	-	126	-	P
DS 230	Area 5	West AOI-4	490/491	11/5/2010	Heat Fusion	113	119	113	116	114	116	-	-	-	-	118	-	124	-	P
DS 231	Area 5	West AOI-4	496/497	11/5/2010	Heat Fusion	121	131	122	125	118	129	-	-	-	-	127	-	130	-	P
DS 232A	Area 5	West AOI-4	499/451	11/6/2010	Single Extrusion	117	-	124	-	125	-	-	-	-	-	120	-	124	-	P
DS 232B	Area 5	West AOI-4	499/451	11/6/2010	Single Extrusion	109	-	112	-	116	-	-	-	-	-	121	-	123	-	P
DS 233	Area 5	West AOI-4	494/495	11/11/2010	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 234	Area 5	West AOI-4	497/498	11/11/2010	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 235	Area 5	EAOI-4	500/501	6/22/2011	Heat Fusion	105	104	109	105	108	107	111	106	106	105	117	113	123	123	P
DS 236	Area 5	EAOI-4	502/504	6/22/2011	Heat Fusion	95	98	102	98	98	94	107	93	106	103	109	119	109	119	P
DS 237	Area 5	EAOI-4	501/505	6/22/2011	Heat Fusion	104	109	110	110	106	112	107	109	107	111	124	117	114	115	P
DS 238	Area 5	EAOI-4	504/506	6/22/2011	Heat Fusion	94	103	106	102	102	101	108	103	107	102	116	114	116	118	P
DS 239	Area 5	EAOI-4	506/507	6/22/2011	Heat Fusion	105	110	106	110	105	108	103	106	105	110	118	115	118	119	P
DS 240	Area 5	EAOI-4	507/508	6/22/2011	Heat Fusion	108	106	106	107	106	108	104	114	108	106	117	118	118	117	P
DS 241	Area 5	EAOI-4	508/509	6/22/2011	Heat Fusion	111	106	111	109	111	111	109	109	109	106	117	118	118	117	P
DS 242	Area 5	EAOI-4	509/510	6/22/2011	Heat Fusion	108	107	105	111	99	108	112	108	115	110	115	121	117	120	P
DS 243	Area 5	East AOI-4	511/512	6/23/2011	Heat Fusion	117	110	117	111	114	109	115	109	116	109	118	115	118	116	P
DS 244	Area 5	East AOI-4	512/513	6/23/2011	Heat Fusion	109	102	113	113	103	110	102	110	104	105	122	119	120	119	P
DS 245	Area 5	EAOI-4	510/516	6/23/2011	Heat Fusion	109	113	112	113	104	114	109	106	104	106	127	123	125	124	P
DS 246	Area 5	EAOI-4	517/519	6/23/2011	Heat Fusion	108	115	111	107	111	113	109	113	112	113	118	124	140	133	P
DS 247	Area 5	East AOI-4	519/521	6/23/2011	Heat Fusion	106	113	107	108	109	110	111	109	111	109	117	119	118	117	P
DS 248	Area 5	EAOI-4	520/522	6/23/2011	Heat Fusion	106	103	104	104	107	106	108	110	112	109	128	132	131	130	P
DS 249	Area 5	East AOI-4	515/527	6/24/2011	Heat Fusion	111	107	108	111	108	111	114	115	121	112	120	118	118	119	P
DS 250	Area 5	East AOI-4	531/533	6/24/2011	Heat Fusion	101	96	98	100	100	101	99	101	100	101	115	111	113	116	P
DS 251	Area 5	EAOI-4	535/537	6/24/2011	Heat Fusion	112	116	111	109	112	112	111	104	110	105	117	117	118	119	P
DS 252	Area 5	EAOI-4	540/541	6/24/2011	Heat Fusion	107	111	110	113	113	114	112	110	102	105	111	113	115	113	P
DS 253	Area 5	East AOI-4	526/528	6/24/2011	Heat Fusion	108	105	110	113	106	113	111	114	104	112	115	117	118	119	P
DS 254	Area 5	East AOI-4	529/530	6/24/2011	Heat Fusion	96	100	106	106	103	113	97	103	101	109	116	120	120	117	P
DS 255	Area 5	EAOI-4	534/535	6/24/2011	Heat Fusion	111	109	108	106	107	107	108	107	108	107	114	116	116	115	P
DS 256	Area 5	EAOI-4	537/538	6/24/2011	Heat Fusion	111	107	111	108	109	111	108	109	101	112	112	113	111	112	P
DS 257	Area 5	EAOI-4	541/542	6/24/2011	Heat Fusion	112	108	109	111	106	111	107	114	102	110	116	114	115	116	P
DS 258	Area 5	EAOI-4	525/539	6/24/2011	Heat Fusion	105	90	97	102	107	104	110	106	96	106	110	111	110	110	P
DS 259	Area 5	East AOI-4	548/549	6/25/2011	Heat Fusion	111	106	113	111	109	105	105	107	108	109	114	112	113	109	P
DS 260	Area 5	East AOI-4	552/553	6/25/2011	Heat Fusion	110	106	110	109	104	106	111	100	105	110	112	112	112	119	P
DS 261	Area 5	East AOI-4	555/556	6/25/2011	Heat Fusion	103	107	103	107	101	104	104	103	102	105	109	106	103	108	P
DS 262	Area 5	East AOI-4	549/550	6/25/2011	Heat Fusion	99	111	107	108	101	112	106	111	109	110	114	111	114	114	P
DS 263	Area 5	East AOI-4	550/552	6/25/2011	Heat Fusion	106	103	116	103	107	102	113	110	109	110	115	113	114	115	P
DS 264	Area 5	EAOI-4	554/555	6/25/2011	Heat Fusion	115	108	113	107	113	105	117	113	113	111	116	118	120	119	P
DS 265	Area 5	East AOI-4	557/558	6/25/2011	Heat Fusion	103	98	99	103	105	102	105	103	101	100	108	108	109	110	P
DS 266	Area 5	East AOI-4	553/560	6/28/2011	Heat Fusion	112	107	111	103	110	103	112	105	110	103	117	106	117	117	P
DS 267	Area 5	East AOI-4	560/561	6/28/2011	Heat Fusion	105	109	109	111	108	109	106	110	108	108	113	117	117	114	P
DS 268	Area 5	East AOI-4	561/562	6/28/2011	Heat Fusion	107	107	106	101	104	106	106	109	106	108	110	108	110	107	P
DS 269	Area 5	East AOI-4	562/563	6/28/2011	Heat Fusion	103	101	104	102	96	103	96	104	102	106	107	107	108	107	P
DS 270	Area 5	West AOI-4	565/566	6/29/2011	Heat Fusion	104	96	104	101	104	100	104	97	103	99	105	108	107	108	P
DS 271	Area 5	West AOI-4	567/568	6/29/2011	Heat Fusion	98	105	98	101	97	104	101	101	98	100	101	106	106	105	P
DS 272	Area 5	West AOI-4	568/569	6/29/2011	Heat Fusion	95	101	101	100	95	100	99	101	95	97	101	105	104	100	P
DS 273	Area 5	East AOI-4	559/573	6/29/2011	Heat Fusion	99	100	99	100	108	102	104	101	107	101	104	103	104	103	P
DS 274	Area 5	East AOI-4	573/574	6/29/2011	Heat Fusion	102	96	103	104	102	103	104	104	106	102	102	103	103	105	P
DS 275	Area 5	West AOI-4	576/577	6/29/2011	Heat Fusion	109	100	102	102	101	104	103	108	102	96	107	110	108	106	P
DS 276	Area 5	West AOI-4	577/578	6/29/2011	Heat Fusion	103	104	103	105	102	106	102	104	102	106	107	108	106	104	P
DS 277	Area 5	West AOI-4	578/579	6/29/2011	Heat Fusion	104	97	104	106	101	104	103	106	103	107	107	109	106	110	P
DS 278	Area 5	West AOI-4	582/583	6/29/2011	Heat Fusion	96	94	101	94	99	94	100	96	94	97	103	104	103	105	P
DS 279	Area 5	East AOI-4	553/573	6/29/2011	Heat Fusion	104	99	107	98	102	101	99	97	103	106	102	105	100	105	P
DS 280	Area 5	West AOI-4	548/588	7/7/2011	Single Extrusion	95	-	92	-	87	-	93	-	88	-	105	108	108	112	P
DS 281	Area 5	East AOI-4	586/587	7/7/2011	Single Extrusion	98	-	91	-	99	-	102	-	79	-	-	-	-	-	P
DS 281A	Area 5	EAOI-4	515/587	7/7/2011	Single Extrusion	91	-	92	-	101	-	99	-	96	-	106	95	104	99	P
DS 281B	Area 5	EAOI-4	513/586	7/7/2011	Single Extrusion	98	-	93	-	100	-	98	-	100	-	103	99	101	100	P
DS 282	Area 5	West AOI-4	566/593	7/11/2011	Heat Fusion	102	101	101	101	106	96	105	101	109	95	119	115	119	116	P

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Test Sample ID	Area	Location	Seam Number	Field Test Date	Weld Type ⁽¹⁾	Peel 1A ⁽¹⁾	Peel 1B ⁽¹⁾	Peel 2A ⁽¹⁾	Peel 2B ⁽¹⁾	Peel 3A ⁽¹⁾	Peel 3B ⁽¹⁾	Peel 4A ⁽¹⁾	Peel 4B ⁽¹⁾	Peel 5A ⁽¹⁾	Peel 5B ⁽¹⁾	Shear 1A ⁽¹⁾	Shear 1B ⁽¹⁾	Shear 2A ⁽¹⁾	Shear 2B ⁽¹⁾	Test Pass/Fail ^(3,4)
DS 283	Area 5	West AOI-4	591/593	7/11/2011	Heat Fusion	102	97	106	101	104	100	102	100	102	101	112	113	111	113	P
DS 284	Area 5	West AOI-4	593/594	7/11/2011	Heat Fusion	100	104	101	97	104	106	99	105	103	104	118	119	119	114	P
DS 285	Area 5	West AOI-4	594/595	7/11/2011	Heat Fusion	106	110	107	109	105	106	104	105	104	101	114	113	113	113	P
DS 286	Area 5	West AOI-4	595/596	7/11/2011	Heat Fusion	105	106	108	106	105	111	106	106	105	103	119	114	113	111	P
DS 287	Area 5	West AOI-4	596/597	7/11/2011	Heat Fusion	102	98	106	98	106	99	109	96	107	97	112	101	101	102	P
DS 288	Area 5	West AOI-4	597/598	7/11/2011	Heat Fusion	105	106	105	107	107	109	105	108	105	103	108	109	107	108	P
DS 289	Area 5	West AOI-4	598/599	7/11/2011	Heat Fusion	94	105	103	108	102	110	97	107	99	109	107	115	108	110	P
DS 290	Area 5	West AOI-4	599/600	7/11/2011	Heat Fusion	103	106	102	101	106	102	103	109	104	105	103	105	102	101	P
DS 291	Area 5	West AOI-4	594/605	7/14/2011	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 292	Area 5	West AOI-4	605/604	7/14/2011	Single Extrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 293	Area 5	West AOI-4	604/472	7/14/2011	Single Extrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 294	Area 5	West AOI-4	611/612	8/30/2011	Heat Fusion	104	117	105	114	104	113	-	-	-	-	126	125	130	-	P
DS 295	Area 5	West AOI-4	612/614	8/30/2011	Heat Fusion	112	123	109	118	108	111	-	-	-	-	139	129	132	-	P
DS 296	Area 5	West AOI-4	610/612	8/30/2011	Heat Fusion	113	115	105	115	102	105	-	-	-	-	146	140	141	-	P
DS 297	Area 5	West AOI-4	612/613	8/30/2011	Heat Fusion	101	103	101	114	100	103	-	-	-	-	142	146	129	-	P
DS 298	Area 5	West AOI-4	614/616	8/30/2011	Heat Fusion	104	106	104	94	101	105	-	-	-	-	134	137	130	-	P
DS 299	Area 5	West AOI-4	616/617	8/30/2011	Heat Fusion	102	118	107	105	104	118	-	-	-	-	136	132	128	-	P
DS 300	Area 5	West AOI-4	617/618	8/30/2011	Heat Fusion	100	105	102	106	106	109	-	-	-	-	139	133	130	-	P
DS 301	Area 5	West AOI-4	613/615	8/30/2011	Heat Fusion	111	111	95	112	104	110	-	-	-	-	127	124	128	-	P
DS 302	Area 5	West AOI-4	618/620	8/30/2011	Heat Fusion	100	103	105	102	97	105	-	-	-	-	128	125	122	-	P
DS 303	Area 5	West AOI-4	621/623	8/31/2011	Heat Fusion	97	100	98	100	101	110	-	-	-	-	131	129	129	-	P
DS 304	Area 5	West AOI-4	623/624	8/31/2011	Heat Fusion	107	110	110	114	116	105	-	-	-	-	138	130	132	-	P
DS 305	Area 5	Detention Basin 1	626/627	8/31/2011	Heat Fusion	104	116	108	108	108	110	-	-	-	-	135	121	128	-	P
DS 306	Area 5	Detention Basin 1	627/628	8/31/2011	Heat Fusion	106	114	114	107	114	111	-	-	-	-	134	127	128	-	P
DS 307	Area 5	Detention Basin 1	628/629	8/31/2011	Heat Fusion	113	118	112	103	98	100	-	-	-	-	139	128	133	-	P
DS 308	Area 5	Detention Basin 1	629/632	8/31/2011	Heat Fusion	110	105	113	111	107	118	-	-	-	-	136	130	130	-	P
DS 309	Area 5	Detention Basin 1	635/636	9/1/2011	Heat Fusion	99	99	104	98	88	92	-	-	-	-	109	108	107	-	P
DS 310	Area 5	Detention Basin 1	634/639	9/1/2011	Heat Fusion	83	84	89	82	82	93	-	-	-	-	99	100	103	-	P
DS 311	Area 5	Detention Basin 1	641/640	9/1/2011	Heat Fusion	99	115	108	98	99	101	-	-	-	-	119	114	114	-	P
DS 312	Area 5	Detention Basin 1	641/642	9/1/2011	Heat Fusion	85	112	112	96	81	112	-	-	-	-	103	108	95	-	P
DS 313	Area 5	Detention Basin 1	644/645	9/1/2011	Heat Fusion	91	103	90	97	96	96	-	-	-	-	112	115	110	-	P
DS 314	Area 5	Detention Basin 1	629/641	9/1/2011	Heat Fusion	103	111	107	105	102	101	-	-	-	-	116	115	108	-	P
DS 315	Area 5	West AOI-4	646/612	9/2/2011	Heat Fusion	101	103	101	96	97	99	-	-	-	-	110	105	103	-	P
DS 316	Area 5	West AOI-4	647/649	9/2/2011	Heat Fusion	101	97	101	95	95	95	-	-	-	-	104	98	100	-	P
DS 317	Area 5	West AOI-4	477/648	9/2/2011	Single Extrusion	85	-	89	-	85	-	-	-	-	-	98	95	94	-	P
DS 318	Area 5	Detention Basin 2	654/656	9/6/2011	Heat Fusion	115	108	113	108	111	106	-	-	-	-	136	137	139	-	P
DS 319	Area 5	Detention Basin 2	656/657	9/6/2011	Heat Fusion	125	119	110	114	130	115	-	-	-	-	158	154	153	-	P
DS 320	Area 5	Detention Basin 2	658/659	9/6/2011	Heat Fusion	108	103	100	105	99	96	-	-	-	-	113	108	109	-	P
DS 321	Area 5	Detention Basin 2	659/660	9/6/2011	Heat Fusion	104	101	103	97	108	102	-	-	-	-	125	122	123	-	P
DS 322	Area 5	Detention Basin 2	660/661	9/6/2011	Heat Fusion	116	111	108	110	107	112	-	-	-	-	122	121	123	-	P
DS 323	Area 5	Detention Basin 2	664/662	9/6/2011	Heat Fusion	119	114	113	109	118	107	-	-	-	-	136	134	119	-	P
DS 324	Area 5	Detention Basin 2	663/664	9/6/2011	Heat Fusion	128	116	115	102	122	111	-	-	-	-	139	132	131	-	P
DS 325	Area 5	Detention Basin 2	664/665	9/6/2011	Heat Fusion	112	110	115	114	114	112	-	-	-	-	126	123	122	-	P
DS 326	Area 5	Detention Basin 2	667/668	9/6/2011	Heat Fusion	113	122	114	115	114	112	-	-	-	-	126	123	122	-	P
DS 327	Area 5	Detention Basin 2	668/670	9/6/2011	Heat Fusion	121	116	111	109	114	111	-	-	-	-	125	119	120	-	P
DS 328	Area 5	Detention Basin 2	569/654	9/7/2011	Heat Fusion	126	119	117	116	117	120	-	-	-	-	149	137	130	-	P
DS 329	Area 5	Detention Basin 5	685/686	9/14/2011	Heat Fusion	125	114	125	117	131	113	-	-	-	-	152	146	117	-	P
DS 330	Area 5	Detention Basin 5	684/685	9/14/2011	Heat Fusion	120	128	131	122	123	123	-	-	-	-	153	135	133	-	P
DS 331	Area 5	Detention Basin 5	683/681	9/14/2011	Heat Fusion	116	112	117	116	122	116	-	-	-	-	122	130	130	-	P
DS 332	Area 5	Detention Basin 5	679/680	9/14/2011	Heat Fusion	131	117	113	105	121	109	-	-	-	-	123	121	116	-	P
DS 333	Area 5	Detention Basin 5	679/678	9/14/2011	Heat Fusion	123	119	116	119	114	116	-	-	-	-	137	134	138	-	P
DS 334	Area 5	Detention Basin 5	678/677	9/14/2011	Heat Fusion	129	129	128	125	133	119	-	-	-	-	143	136	141	-	P
DS 335	Area 5	AOI-15	689/691	9/22/2011	Heat Fusion	133	134	134	123	127	118	-	-	-	-	143	137	136	-	P
DS 336	Area 5	AOI-15	688/689	9/22/2011	Heat Fusion	123	117	125	118	123	121	-	-	-	-	143	142	136	-	P
DS 337	Area 5	AOI-15	688/695	9/22/2011	Heat Fusion	127	120	125	127	125	119	-	-	-	-	147	146	142	-	P
DS 338	Area 5	AOI-15	699/700/721	9/22/2011	Heat Fusion	136	135	136	125	127	118	-	-	-	-	189	180	175	-	P
DS 339	Area 5	AOI-15	703/704	9/22/2011	Heat Fusion	146	140	132	135	150	133	-	-	-	-	185	178	160	-	P

TABLE 3.3.5
SUMMARY OF LLDPE LINER DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Sample ID	Area	Location	Seam Number	Field Test Date	Weld Type ⁽¹⁾	Peel 1A ⁽¹⁾	Peel 1B ⁽¹⁾	Peel 2A ⁽¹⁾	Peel 2B ⁽¹⁾	Peel 3A ⁽¹⁾	Peel 3B ⁽¹⁾	Peel 4A ⁽¹⁾	Peel 4B ⁽¹⁾	Peel 5A ⁽¹⁾	Peel 5B ⁽¹⁾	Shear 1A ⁽¹⁾	Shear 1B ⁽¹⁾	Shear 2A ⁽¹⁾	Shear 2B ⁽¹⁾	Test Pass/Fail ^(3,4)
DS 340	Area 5	Detention Basin 3	707/708	9/22/2011	Heat Fusion	121	133	122	124	129	131	-	-	-	-	171	153	149	-	P
DS 341	Area 5	Detention Basin 3	714/715	9/22/2011	Heat Fusion	111	113	97	106	104	101	-	-	-	-	117	125	115	-	P
DS 342	Area 5	Detention Basin 3	718/719	9/22/2011	Heat Fusion	110	117	114	116	110	112	-	-	-	-	134	129	129	-	P
DS 343	Area 5	Detention Basin 3	715/716	9/22/2011	Heat Fusion	117	113	112	108	108	105	-	-	-	-	128	121	119	-	P
DS 344	Area 5	Detention Basin 3	718/534	9/23/2011	Heat Fusion	119	109	109	94	99	101	-	-	-	-	118	118	120	-	P
DS 345	Area 5	AOI-15	690/487	9/23/2011	Heat Fusion	130	110	119	112	107	106	-	-	-	-	131	132	123	-	P
DS 346	Area 5	Detention Basin 4	723/724	10/10/2011	Heat Fusion	116	114	110	116	108	114	-	-	-	-	111	112	115	-	P
DS 347	Area 5	Detention Basin 4	724/725	10/10/2011	Heat Fusion	104	111	107	110	99	99	-	-	-	-	114	115	112	-	P
DS 348	Area 5	Detention Basin 4	727/728	10/10/2011	Heat Fusion	105	119	100	106	109	98	-	-	-	-	126	121	129	-	P
DS 349	Area 5	Detention Basin 4	728/729	10/10/2011	Heat Fusion	107	102	93	98	101	103	-	-	-	-	114	113	119	-	P
DS 350	Area 5	Detention Basin 4	737/738	10/10/2011	Heat Fusion	109	101	99	95	91	93	-	-	-	-	106	101	95	-	P
DS 351	Area 5	Detention Basin 4	738/740	10/10/2011	Heat Fusion	108	108	106	101	104	97	-	-	-	-	123	120	117	-	P
DS 352	Area 5	Detention Basin 4	740/741	10/10/2011	Heat Fusion	101	105	109	99	106	100	-	-	-	-	108	106	107	-	P
DS 353	Area 5	Detention Basin 4	744/745	10/10/2011	Heat Fusion	103	102	95	100	96	98	-	-	-	-	117	107	99	-	P
DS 354	Area 5	Detention Basin 4	724/540	10/10/2011	Heat Fusion	113	105	98	100	110	97	-	-	-	-	101	99	98	-	P
DS 355	Area 5	Detention Basin 4	686/738	12/7/2011	Heat Fusion	107	99	95	99	107	95	-	-	-	-	103	98	94	-	P
DS 356	Area 5	AOI-15	754/752	12/7/2011	Heat Fusion	170	154	164	137	148	154	-	-	-	-	176	178	175	-	P
DS 357	Area 5	AOI-15	749/748	12/7/2011	Heat Fusion	147	147	136	144	137	143	-	-	-	-	170	150	164	-	P
DS 358	Area 5	AOI-15	757/754	12/8/2011	Heat Fusion	145	148	136	135	145	143	-	-	-	-	149	166	162	-	P
DS 359	Area 5	AOI-15	758/760	12/8/2011	Heat Fusion	154	139	142	133	142	143	-	-	-	-	154	165	160	-	P
DS 360	Area 5	AOI-15	761/759	12/8/2011	Heat Fusion	144	142	137	136	128	150	-	-	-	-	150	146	152	-	P
DS 361	Area 5	AOI-15	764/762	12/9/2011	Heat Fusion	143	137	144	130	141	149	-	-	-	-	155	162	160	-	P
DS 362	Area 5	AOI-15	766/767	12/9/2011	Heat Fusion	137	119	134	135	147	147	-	-	-	-	155	142	153	-	P
DS 363	Area 5	AOI-15	770/769	12/9/2011	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 364	Area 5	AOI-15	773/772	12/9/2011	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 365	Area 5	AOI-15	774/775	12/9/2011	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 366	Area 5	AOI-15	777/783	12/9/2011	Heat Fusion	128	126	120	120	114	119	-	-	-	-	-	-	-	-	P
DS 367	Area 5	AOI-15	788/787	12/10/2011	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 368	Area 5	AOI-15	789/790	12/10/2011	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 369	Area 5	AOI-15	795/794	12/10/2011	Heat Fusion	125	125	123	122	116	111	-	-	-	-	130	135	132	-	P
DS 370	Area 5	AOI-15	797/796	12/10/2011	Heat Fusion	109	121	119	117	118	106	-	-	-	-	120	131	126	-	P
DS 371	Area 5	AOI-15	797/799	12/10/2011	Heat Fusion	120	118	123	121	117	117	-	-	-	-	134	129	130	-	P
DS 372	Area 5	AOI-15	799/800	12/10/2011	Heat Fusion	116	123	134	125	130	124	-	-	-	-	139	133	137	-	P
DS 373	Area 5	AOI-15	799/801	12/10/2011	Heat Fusion	133	122	129	125	128	122	-	-	-	-	140	137	137	-	P
DS 374	Area 5	AOI-15	802/806	12/10/2011	Heat Fusion	131	122	126	113	125	-	-	-	-	120	127	133	-	P	
DS 375	Area 5	AOI-15	800/802	12/10/2011	Heat Fusion	116	130	120	122	126	124	-	-	-	-	143	143	138	-	P
DS 376	Area 5	AOI-15	797/795	12/10/2011	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 377	Area 5	AOI-15	792/790	12/10/2011	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 378	Area 5	AOI-15	802/624	12/12/2011	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
DS 379	Area 5	AOI-15	806/807	12/10/2011	Heat Fusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P

Notes:

" - " Data not available or not recorded.

⁽¹⁾ Destructive seam quality assurance field test results obtained using field tensiometer (ASTM D4437).

⁽²⁾ Destructive seam quality assurance test results obtained from TRI/Environmental, Inc. laboratory testing final reports (ASTM D6392).

⁽³⁾ Acceptance of destructive seam shear test requires a minimum of 90 ppi (1,500 psi) and acceptance of destructive seam peel test requires a minimum of 75 ppi (1,250 psi) for fusion welds and 66 ppi (1,100 psi) for extrusion welds.

⁽⁴⁾ Although some field test results are not available due to missing contractor forms, an ongoing log of destructive seam tests was kept by the Engineer, which tracked whether a destructive seam test had passed the field test and laboratory test, and confirmed the acceptance/rejection of the destructive test results recorded on the original destructive seam test field forms.

TABLE 3.3.5
SUMMARY OF LLDPE LINER DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Sample ID	Area	Location	Seam Number	Laboratory Test Date	Weld Type ⁽²⁾	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Shear	Shear	Shear	Shear	Shear	Mean Peel A	Mean Peel B	Mean Shear	Test Pass/Fail ⁽³⁾
						1A ⁽²⁾	2A ⁽²⁾	3A ⁽²⁾	4A ⁽²⁾	5A ⁽²⁾	1B ⁽²⁾	2B ⁽²⁾	3B ⁽²⁾	4B ⁽²⁾	5B ⁽²⁾	1 ⁽²⁾	2 ⁽²⁾	3 ⁽²⁾	4 ⁽²⁾	5 ⁽²⁾	(ppi) ⁽²⁾	(ppi) ⁽²⁾	(ppi) ⁽²⁾	
DS 1	Area 3	EAOI-10	1/3	8/4/2008	Heat Fusion	113	113	111	114	111	123	119	114	115	118	129	129	123	127	125	112	118	127	P
DS 2	Area 3	EAOI-10	2/3	8/4/2008	Heat Fusion	116	122	118	118	115	113	114	120	116	115	126	124	123	129	125	118	116	125	P
DS 3	Area 3	EAOI-10	3/4	8/4/2008	Heat Fusion	122	122	119	121	119	123	123	123	123	119	126	123	124	125	123	121	122	124	P
DS 4	Area 3	EAOI-10	6/8	8/4/2008	Heat Fusion	116	113	113	115	114	120	117	119	120	115	120	122	123	122	124	114	118	122	P
DS 5	Area 3	EAOI-10	4/6	8/4/2008	Heat Fusion	116	114	117	115	112	117	113	113	117	112	125	123	124	123	122	115	114	123	P
DS 6	Area 3	EAOI-10	6/8	8/4/2008	Heat Fusion	125	123	123	124	122	121	120	120	120	117	119	124	118	122	120	123	120	121	P
DS 7	Area 3	EAOI-10	8/10	8/4/2008	Heat Fusion	117	115	119	115	116	120	120	120	122	121	120	118	118	119	117	116	121	118	P
DS 8	Area 3	EAOI-10	10/11	8/4/2008	Heat Fusion	120	120	120	122	121	119	119	114	120	117	119	122	121	121	116	121	118	120	P
DS 9	Area 3	EAOI-10	11/12	8/4/2008	Heat Fusion	126	119	119	118	125	133	124	126	120	122	126	125	123	130	127	121	125	126	P
DS 10	Area 3	EAOI-10	11/18	8/6/2008	Heat Fusion	119	112	113	121	116	113	115	114	115	114	123	121	124	120	120	116	114	122	P
DS 11	Area 3	EAOI-10	13/14	8/6/2008	Heat Fusion	112	124	124	126	125	121	124	121	119	117	129	133	127	131	125	122	120	129	P
DS 12	Area 3	EAOI-10	15/16	8/6/2008	Heat Fusion	122	121	122	119	120	120	120	120	120	119	130	133	128	131	131	121	120	131	P
DS 13	Area 3	EAOI-10	16/18	8/6/2008	Heat Fusion	127	127	123	128	126	126	125	127	124	124	133	133	128	131	131	121	120	131	P
DS 14	Area 3	EAOI-10	18/21	8/6/2008	Heat Fusion	115	112	113	122	109	123	120	121	125	123	126	125	125	125	124	114	122	125	P
DS 15	Area 3	EAOI-10	21/23	8/6/2008	Heat Fusion	124	119	123	120	123	123	120	121	121	120	125	124	123	124	123	122	121	124	P
DS 16	Area 3	EAOI-10	24/1	8/18/2008	Heat Fusion	119	118	119	118	119	119	119	122	122	121	126	124	125	127	127	119	121	126	P
DS 17	Area 3	EAOI-10	24/25	8/18/2008	Heat Fusion	107	107	105	107	107	114	111	112	114	112	116	115	114	115	116	107	113	115	P
DS 18	Area 3	EAOI-10	25/26	8/18/2008	Heat Fusion	122	118	120	124	117	120	116	116	116	121	126	122	128	128	129	120	118	127	P
DS 19	Area 3	EAOI-10	28/29	8/18/2008	Heat Fusion	77	78	75	79	77	115	117	117	116	118	100	99	98	99	99	77	117	99	P
DS 20	Area 3	EAOI-10	31/32	8/13/2008	Heat Fusion	122	118	119	118	119	121	120	121	107	105	127	126	125	126	127	119	115	126	P
DS 21	Area 3	EAOI-10	32/33	8/13/2008	Heat Fusion	120	117	120	120	120	118	116	114	115	115	123	122	121	121	122	119	116	122	P
DS 22	Area 3	EAOI-10	35/36	8/13/2008	Single Extrusion	117	111	118	116	119	-	-	-	-	-	127	124	123	124	123	116	-	124	P
DS 23	Area 3	EAOI-10	40/41	8/13/2008	Heat Fusion	118	118	120	118	117	124	123	125	123	123	133	136	132	134	136	118	124	134	P
DS 24	Area 3	EAOI-10	41/42	8/13/2008	Heat Fusion	114	111	111	112	110	117	112	116	115	114	122	126	124	125	124	112	115	124	P
DS 25	Area 3	EAOI-10	29/42	8/13/2008	Heat Fusion	115	117	115	125	121	119	119	123	123	117	126	130	126	125	132	119	120	128	P
DS 26	Area 3	EAOI-10	42/43	8/13/2008	Heat Fusion	107	112	109	111	113	118	116	118	122	119	116	119	119	119	119	110	119	118	P
DS 27	Area 3	EAOI-10	44/45	8/13/2008	Heat Fusion	118	113	114	119	113	117	117	119	119	117	127	120	128	126	127	115	118	126	P
DS 28	Area 3	EAOI-10	47/48	8/13/2008	Heat Fusion	1113	111	115	121	110	120	116	110	113	120	130	134	120	122	128	114	116	127	P
DS 29	Area 3	EAOI-10	49/50	8/13/2008	Heat Fusion	116	123	127	121	123	118	122	125	122	128	123	124	125	127	123	122	123	124	P
DS 30	Area 3	EAOI-10	1/52	8/18/2008	Heat Fusion	106	112	115	120	115	99	103	110	109	105	123	125	127	125	122	114	105	124	P
DS 31	Area 3	EAOI-10	51/55	8/18/2008	Heat Fusion	109	112	111	111	116	114	115	117	114	114	127	117	120	128	125	112	115	123	P
DS 32	Area 3	EAOI-10	53/55	8/18/2008	Heat Fusion	122	121	121	123	122	110	116	118	112	115	120	120	121	121	118	122	114	120	P
DS 33	Area 3	EAOI-10	51/54	8/18/2008	Heat Fusion	126	122	123	125	121	126	124	124	126	118	128	126	128	128	126	123	124	127	P
DS 34	Area 2	West AOI-6	58/66	8/20/2008	Heat Fusion	118	119	117	115	118	125	122	121	120	121	107	108	108	108	108	117	122	108	P
DS 35	Area 2	West AOI-6	58/60	8/20/2008	Heat Fusion	117	102	115	115	117	117	117	118	117	114	124	129	125	124	126	113	117	126	P
DS 36	Area 2	West AOI-11	61/62	8/20/2008	Heat Fusion	86	88	84	97	87	117	115	114	117	116	113	111	111	107	109	88	116	110	P
DS 37	Area 2	West AOI-11	64/65	8/20/2008	Heat Fusion	114	114	114	112	114	121	116	118	116	116	120	120	119	120	120	114	117	120	P
DS 38	Area 2	West AOI-6	63/64	8/20/2008	Heat Fusion	125	124	127	125	115	112	121	109	122	115	126	129	132	127	131	123	116	129	P
DS 39	Area 2	West AOI-6	66/74	8/20/2008	Heat Fusion	122	116	116	123	121	117	115	119	120	115	121	122	121	123	124	120	117	122	P
DS 40	Area 2	West AOI-11	67/68	8/20/2008	Heat Fusion	115	110	110	123	111	119	118	119	120	116	122	121	121	122	121	114	118	121	P
DS 41	Area 2	West AOI-6	70/71	8/20/2008	Heat Fusion	113	114	117	114	103	121	118	122	118	119	121	121	120	120	121	112	120	121	P
DS 42	Area 2	West AOI-6	65/78	8/25/2008	Heat Fusion	107	109	106	106	106	117	119	117	115	117	126	127	129	127	107	117	127	P	
DS 43	Area 2	West AOI-6	80/W-210	8/25/2008	Heat Fusion	122	122	125	120	119	123	122	123	120	124	133	131	130	133	130	122	122	131	P
DS 44	Area 2	West AOI-6	78/80	8/25/2008	Heat Fusion	116	117	115	115	115	111	105	120	113	106	127	128	125	130	126	116	111	127	P
DS 45	Area 2	West AOI-11	83/84	8/25/2008	Heat Fusion	126	124	124	114	122	118	118	118	117	116	133	132	131	133	131	122	117	132	P
DS 46	Area 2	West AOI-6	84/85	8/25/2008	Heat Fusion	120	118	118	116	116	117	116	117	116	119	131	129	127	128	129	118	117	129	P
DS 47	Area 2	East AOI-6	86/87	8/25/2008	Heat Fusion	103	104	108	101	105	113	112	115	115	113	117	112	113	113	116	104	114	114	P
DS 48	Area 3	EAOI-10	89/90	9/12/2008	Heat Fusion	116	113	118	122	116	113	124	119	115	116	128	127	125	126	126	117	117	126	P
DS 49	Area 3	EAOI-10	23/89	9/12/2008	Heat Fusion	124	108	120	109	111	123	119	120	120	120	124	126	124	125	124	114	120	125	P
DS 50	Area 3	EAOI-10	89/91	9/12/2008	Heat Fusion	113	115	116	116	117	115	115	112	113	110	122	120	120	120	121	115	113	121	P
DS 51	Area 3	EAOI-10	91/93	9/12/2008	Heat Fusion	116	115	110	119	110	119	119	121	120	119	124	124	123	123	123	114	120	123	P
DS 52	Area 3	EAOI-10	91/92	9/12/2008	Heat Fusion	111	115	109	120	105	107	105	108	109	100	112	122	113	131	121	112	106	120	P
DS 53	Area 3	EAOI-10	93/94	9/12/2008	Heat Fusion	125	110	125	114	116	119	118	118	119	115	123	124	125	125	124	118	118	124	P
DS 54	Area 3	EAOI-10	94/96	9/12/2008	Heat Fusion	115	111	117	112	112	126	126	129	127	124	127	129	125	128	127	113	126	127	P
DS 55	Area 3	EAOI-10	94/95	9/12/2008	Heat Fusion	116	119	121	118	112	116	121	115	122	118	124	127	127	125	124	117	118	125	P
DS 56	Area 3	EAOI-10	96/97	9/18/2008	Heat Fusion	116																		

TABLE 3.3.5
SUMMARY OF LLDPE LINER DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Sample ID	Area	Location	Seam Number	Laboratory Test Date	Weld Type ⁽²⁾	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Shear	Shear	Shear	Shear	Shear	Mean	Mean	Mean	Test Pass/Fail ⁽³⁾
						1A ⁽²⁾	2A ⁽²⁾	3A ⁽²⁾	4A ⁽²⁾	5A ⁽²⁾	1B ⁽²⁾	2B ⁽²⁾	3B ⁽²⁾	4B ⁽²⁾	5B ⁽²⁾	1 ⁽²⁾	2 ⁽²⁾	3 ⁽²⁾	4 ⁽²⁾	5 ⁽²⁾	Peel A (ppi) ⁽²⁾	Peel B (ppi) ⁽²⁾	Shear (ppi) ⁽²⁾	
DS 58	Area 3	EAOI-10	98/99	9/18/2008	Heat Fusion	124	114	122	112	124	118	111	117	118	120	133	134	131	132	133	119	117	133	P
DS 59	Area 3	EAOI-10	15/R204	9/18/2008	Heat Fusion	114	120	109	109	107	-	-	-	-	-	131	137	134	134	126	112	-	132	P
DS 60	Area 2	West AOI-6	74	9/18/2008	Heat Fusion	109	106	109	116	115	-	-	-	-	-	121	121	122	120	123	111	-	121	P
DS 61	Area 2	West AOI-6	74/R-230	9/18/2008	Heat Fusion	106	99	96	98	102	-	-	-	-	-	123	125	125	126	125	100	-	125	P
DS 62	Area 2	West AOI-6	82/R-209	9/18/2008	Heat Fusion	101	101	93	84	84	-	-	-	-	-	120	118	120	120	119	93	-	119	P
DS 63	Area 2	West AOI-6	80	9/18/2008	Heat Fusion	107	100	117	106	103	-	-	-	-	-	125	126	122	122	122	107	-	123	P
DS 64	Area 4	West AOI-5	100/102	9/24/2008	Heat Fusion	121	121	121	117	120	126	126	127	126	127	123	121	121	123	121	120	126	122	P
DS 65	Area 4	West AOI-5	103/105	9/24/2008	Heat Fusion	113	114	111	112	110	120	117	122	117	121	124	121	121	125	123	112	119	123	P
DS 66	Area 4	West AOI-5	106/107	9/24/2008	Heat Fusion	115	114	114	114	116	125	123	123	124	123	125	123	124	123	125	115	124	124	P
DS 67	Area 4	West AOI-5	110/111	9/24/2008	Heat Fusion	120	115	112	128	113	129	128	128	127	125	128	126	127	127	127	118	127	127	P
DS 68	Area 4	West AOI-5	101/103	9/24/2008	Heat Fusion	128	126	126	126	125	122	123	124	122	123	120	122	120	117	120	126	123	120	P
DS 69	Area 4	East AOI-5	104/105	9/24/2008	Heat Fusion	115	118	115	117	117	128	124	126	125	121	126	125	121	126	123	116	125	124	P
DS 70	Area 4	West AOI-5	109/110	9/24/2008	Heat Fusion	118	113	123	112	1169	124	123	126	122	122	130	123	123	123	123	116	123	124	P
DS 71	Area 4	West AOI-5	116/117	9/24/2008	Heat Fusion	120	123	127	124	119	124	125	120	124	125	128	128	126	126	126	123	124	127	P
DS 72	Area 4	West AOI-5	107/118	9/24/2008	Heat Fusion	112	110	115	109	114	114	107	115	108	115	122	123	119	119	116	112	12	120	P
DS 73	Area 4	West AOI-5	123/124	9/24/2008	Heat Fusion	112	115	114	113	110	121	124	124	123	124	121	120	119	120	120	113	123	120	P
DS 74	Area 4	East AOI-5	128/129	9/24/2008	Heat Fusion	124	123	118	124	118	125	123	125	122	126	121	124	121	123	123	121	124	122	P
DS 75	Area 4	West AOI-5	120/128	9/24/2008	Heat Fusion	115	119	119	117	108	116	113	117	115	110	119	121	119	117	123	116	114	120	P
DS 76	Area 4	West AOI-5	117/118	9/24/2008	Heat Fusion	108	114	118	113	112	119	118	114	118	115	123	122	123	120	121	113	117	122	P
DS 77	Area 4	West AOI-5	121/122	9/24/2008	Heat Fusion	113	113	112	114	115	120	121	119	121	123	121	121	120	117	118	113	121	119	P
DS 78	Area 4	East AOI-5	125/126	9/24/2008	Heat Fusion	118	112	118	120	119	119	114	119	120	117	122	121	119	120	121	117	118	121	P
DS 79	Area 4	East AOI-5	130/131	9/24/2008	Heat Fusion	124	117	117	117	117	121	118	121	116	1120	125	129	128	124	129	118	119	127	P
DS 80	Area 3	EAOI-10	Tie In 1/93	9/24/2008	Heat Fusion	112	119	119	115	118	118	121	112	117	119	126	121	127	129	126	117	117	126	P
DS 81	Area 3	EAOI-10	Tie In 2/4	9/24/2008	Heat Fusion	115	110	117	115	108	107	102	110	108	109	120	114	115	118	118	113	107	117	P
DS 82	Area 4	West AOI-5	100/132	9/24/2008	Heat Fusion	110	107	115	110	121	113	111	113	120	115	122	122	121	120	122	113	114	121	P
DS 83	Area 4	West AOI-5	135/137	9/24/2008	Heat Fusion	133	132	127	113	113	123	121	122	126	122	123	124	127	122	127	124	123	125	P
DS 84	Area 4	West AOI-5	132/134	9/24/2008	Heat Fusion	117	113	117	117	112	110	119	114	115	115	121	119	118	117	117	115	115	118	P
DS 85	Area 4	West AOI-5	133/135	9/24/2008	Heat Fusion	119	105	109	117	111	109	99	109	99	107	121	117	119	119	118	112	105	119	P
DS 86	Area 4	East AOI-5	134/136	9/24/2008	Heat Fusion	120	108	120	124	118	120	118	118	122	125	118	117	118	118	117	112	121	118	P
DS 87	Area 4	West AOI-5	139/140	9/24/2008	Heat Fusion	115	107	109	115	107	111	115	121	112	124	121	113	123	114	122	111	117	119	P
DS 88	Area 4	West AOI-5	140/141	9/24/2008	Heat Fusion	119	119	118	115	115	120	117	116	119	121	126	123	124	129	125	117	119	125	P
DS 89	Area 4	West AOI-5	138/139	9/24/2008	Heat Fusion	115	115	128	119	117	122	122	119	118	123	121	122	119	120	125	119	121	121	P
DS 90	Area 4	West AOI-5	138/140	9/24/2008	Heat Fusion	119	119	112	119	109	120	119	120	122	116	120	121	121	111	123	116	119	119	P
DS 91	Area 4	West AOI-5	141/142	9/27/2008	Heat Fusion	113	116	114	116	115	121	121	120	124	121	130	130	130	131	130	115	121	130	P
DS 92	Area 4	West AOI-5	143/145	9/27/2008	Heat Fusion	116	118	119	122	120	123	124	122	120	122	136	135	134	135	134	119	122	135	P
DS 93	Area 4	West AOI-5	142/144	9/27/2008	Heat Fusion	123	126	122	120	116	116	120	122	117	117	126	125	129	129	128	121	118	127	P
DS 94	Area 4	West AOI-5	145/146	9/27/2008	Heat Fusion	124	113	113	113	112	122	116	120	118	120	132	131	129	131	132	115	119	131	P
DS 95	Area 3	EAOI-10	Tie In 4/10	9/30/2008	Heat Fusion	118	113	109	117	116	105	115	109	109	107	125	125	124	125	124	115	109	125	P
DS 96	Area 3	EAOI-10	Tie In 4/96	9/30/2008	Heat Fusion	125	120	126	116	121	113	110	110	113	114	121	124	123	122	125	122	112	123	P
DS 97	Area 3	EAOI-10	Tie In 3/R343	9/30/2008	Single Extrusion	107	112	112	107	106	-	-	-	-	-	118	116	113	117	114	109	-	116	P
DS 98	Area 4	West AOI-5	146/149	10/2/2008	Heat Fusion	127	123	122	121	123	113	112	111	113	120	135	132	133	134	133	123	114	133	P
DS 99	Area 4	West AOI-5	149/150	10/2/2008	Heat Fusion	125	120	120	122	123	121	118	120	120	122	132	137	135	136	134	122	120	135	P
DS 100	Area 4	West AOI-5	151/153	10/2/2008	Heat Fusion	116	120	121	120	119	115	116	129	122	122	143	139	128	134	129	119	121	135	P
DS 101	Area 4	West AOI-5	152/153	10/2/2008	Heat Fusion	120	116	116	121	121	119	122	114	119	125	129	128	129	129	130	119	120	129	P
DS 102	Area 4	West AOI-5/Vault Tie-In	37/150	10/2/2008	Heat Fusion	123	119	119	121	119	105	109	109	110	113	124	122	126	125	125	120	109	124	P
DS 103	Area 4	West AOI-5/Vault Tie-In	35/152	10/2/2008	Heat Fusion	120	120	122	122	121	106	102	109	110	103	131	129	126	128	124	121	106	128	P
DS 104	Area 3	EAOI-10	12/R388	10/7/2008	Single Extrusion	97	107	108	106	104	-	-	-	-	-	122	121	122	124	124	104	-	123	P
DS 105	Area 2	West AOI-11	193/194	11/12/2008	Heat Fusion	107	112	111	110	113	99	97	98	114	98	122	124	122	124	124	111	101	123	P
DS 106	Area 2	West AOI-11	194/195	11/12/2008	Heat Fusion	112	109	113	111	112	107	107	105	112	110	127	128	128	129	129	111	108	128	P
DS 107	Area 2	West AOI-11	193/199	11/12/2008	Heat Fusion	120	113	126	119	116	121	112	117	119	114	134	134	131	133	129	119	117	132	P
DS 108	Area 2	West AOI-11	68/189	11/12/2008	Heat Fusion	108	112	108	107	108	117	121	114	114	115	128	128	127	127	129	109	116	128	P
DS 109	Area 1	West AOI-8	203/205	11/12/2008	Heat Fusion	107	108	111	109	107	115	112	117	111	115	123	125	124	124	125	108	114	124	P
DS 110	Area 1	West AOI-8	207/209	11/12/2008	Heat Fusion	110	116	117	117	117	114	107	110	113	110	122	123	122	121	123	115	111	122	P
DS 111	Area 1	West AOI-8	206/208	11/12/2008	Heat Fusion	113	113	112	117	111	106	109	108	110	110	127	128	128	128	128	113	109	128	P
DS 112	Area 1	West AOI-8	206/207	11/12/2008	Heat Fusion	119	117	114	117	117	115	116	119	119	116	125	126	126	125	124	117	117	125	P

TABLE 3.3.5
SUMMARY OF LLDPE LINER DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Sample ID	Area	Location	Seam Number	Laboratory Test Date	Weld Type ⁽²⁾	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Shear	Shear	Shear	Shear	Shear	Mean	Mean	Mean	Test Pass/Fail ⁽³⁾
						1A ⁽²⁾	2A ⁽²⁾	3A ⁽²⁾	4A ⁽²⁾	5A ⁽²⁾	1B ⁽²⁾	2B ⁽²⁾	3B ⁽²⁾	4B ⁽²⁾	5B ⁽²⁾	1 ⁽²⁾	2 ⁽²⁾	3 ⁽²⁾	4 ⁽²⁾	5 ⁽²⁾	Peel A (ppi) ⁽²⁾	Peel B (ppi) ⁽²⁾	Shear (ppi) ⁽²⁾	
DS 115	Area 2	West AOI-11	199/213	11/18/2008	Heat Fusion	113	108	106	108	109	116	114	113	115	113	127	126	126	127	120	109	114	125	P
DS 116	Area 1	West AOI-8	209/210	11/12/2008	Heat Fusion	109	107	108	109	109	117	119	116	116	117	116	119	119	118	117	108	117	118	P
DS 117	Area 1	West AOI-8	210/211	11/12/2008	Heat Fusion	121	120	113	113	114	113	119	117	117	116	123	124	124	124	126	116	116	124	P
DS 118	Area 1	West AOI-8	213/214	11/18/2008	Heat Fusion	108	107	105	107	107	109	110	110	114	112	129	129	127	128	128	107	111	128	P
DS 119	Area 2	West AOI-11	216/217	11/18/2008	Heat Fusion	116	115	116	115	117	114	107	108	112	109	134	133	132	133	130	116	110	132	P
DS 120	Area 2	West AOI-11	217/218	11/12/2008	Heat Fusion	110	119	117	109	108	121	117	120	120	116	129	128	128	129	128	113	119	128	P
DS 121	Area 2	West AOI-11	214/215	11/18/2008	Heat Fusion	118	117	106	107	110	114	111	112	111	107	133	130	126	126	130	112	111	129	P
DS 122	Area 2	West AOI-11	64/219	11/19/2008	Single Extrusion	116	111	106	119	121	-	-	-	-	-	141	139	131	134	134	115	-	136	P
DS 123	Area 2	West AOI-11	58/214	11/19/2008	Single Extrusion	126	124	107	104	98	-	-	-	-	-	133	133	140	139	137	112	-	136	P
DS 124	Area 2	West AOI-11	220/227	11/21/2008	Heat Fusion	111	114	112	117	115	108	110	108	110	110	116	114	115	115	115	114	109	115	P
DS 125	Area 2	West AOI-11	229/230	11/21/2008	Heat Fusion	107	110	110	110	110	113	112	111	111	108	113	113	114	114	113	109	111	113	P
DS 126	Area 2	West AOI-11	83/228	11/21/2008	Heat Fusion	104	110	101	114	107	104	112	104	105	109	111	111	110	110	115	107	107	111	P
DS 127	Area 2	East AOI-11	235/236	11/25/2008	Heat Fusion	114	115	115	117	112	119	107	117	118	119	128	126	126	127	128	115	116	127	P
DS 128	Area 2	East AOI-11	236/237	11/25/2008	Heat Fusion	115	118	118	118	121	115	113	112	114	114	129	131	129	129	129	118	114	129	P
DS 129	Area 2	East AOI-11	237/238	11/25/2008	Heat Fusion	116	115	116	116	114	104	102	102	104	104	122	123	122	123	124	115	103	123	P
DS 130	Area 2	East AOI-6	241/242	11/25/2008	Heat Fusion	110	116	115	115	116	93	95	92	97	93	106	106	103	106	105	114	94	105	P
DS 131	Area 1	West AOI-8	201/213	12/2/2008	Single Extrusion	94	97	101	111	107	-	-	-	-	-	124	127	125	130	124	102	-	126	P
DS 132	Area 1	West AOI-8	243/244	12/2/2008	Heat Fusion	115	117	118	121	118	104	105	108	108	113	123	126	126	124	127	118	108	125	P
DS 133	Area 1	West AOI-8	247/248	12/2/2008	Heat Fusion	125	122	121	124	124	112	115	113	111	108	129	127	127	127	127	123	112	127	P
DS 134	Area 1	West AOI-8	225/258	12/2/2008	Heat Fusion	119	112	121	117	115	117	120	118	116	115	131	127	133	134	137	117	117	132	P
DS 135	Area 1	West AOI-8	211/257	12/2/2008	Heat Fusion	124	119	123	120	123	125	120	121	120	118	143	142	144	144	142	122	121	143	P
DS 136	Area 1	West AOI-8	211/253	12/2/2008	Heat Fusion	113	115	112	113	117	102	101	102	102	100	126	124	126	128	126	114	101	126	P
DS 137	Area 1	P201	269/260	4/8/2010	Heat Fusion	114	115	114	117	116	110	105	109	110	111	122	126	124	126	125	115	109	125	P
DS 138	Area 1	P201	260/261	4/8/2010	Heat Fusion	118	121	119	120	117	103	102	102	102	101	124	130	129	129	130	119	102	128	P
DS 139	Area 1	P201	263/265	4/8/2010	Heat Fusion	111	112	116	110	102	116	114	118	113	107	120	123	123	122	117	110	114	121	P
DS 140	Area 1	P201	266/267	4/8/2010	Heat Fusion	119	118	112	110	112	116	118	117	110	112	128	128	128	128	128	114	115	128	P
DS 141	Area 1	P201	268/269	4/8/2010	Heat Fusion	122	121	119	117	119	117	118	116	111	115	129	127	127	129	127	120	115	128	P
DS 142	Area 1	P201	269/270	4/8/2010	Heat Fusion	114	112	111	112	110	116	117	116	114	113	130	128	129	128	128	112	115	129	P
DS 143	Area 1	P201	273/274	4/8/2010	Heat Fusion	113	114	115	119	116	116	118	114	116	113	119	121	121	121	121	115	115	121	P
DS 144	Area 1	P201	276/277	4/8/2010	Heat Fusion	124	117	121	125	115	120	120	120	121	122	129	130	128	130	128	120	121	129	P
DS 145	Area 1	P201	282/283	4/8/2010	Heat Fusion	122	113	112	113	111	115	116	115	113	114	128	131	129	129	131	114	115	130	P
DS 146	Area 1	P201	285/286	4/8/2010	Heat Fusion	119	118	111	111	114	106	108	110	108	110	126	130	134	132	134	115	108	131	P
DS 147	Area 1	P201	287/288	4/13/2010	Heat Fusion	105	117	114	117	115	106	106	104	105	104	132	132	132	131	131	114	105	132	P
DS 148	Area 1	P201	288/289	4/13/2010	Heat Fusion	110	106	103	110	114	111	111	113	112	109	129	123	132	122	124	109	111	126	P
DS 149	Area 1	P201	288/290	4/13/2010	Heat Fusion	107	103	99	104	100	111	107	112	106	108	114	118	115	117	118	103	109	116	P
DS 150	Area 1	P201	290/292	4/13/2010	Heat Fusion	118	108	116	114	111	113	107	115	110	113	129	125	125	126	127	113	112	126	P
DS 151	Area 1	P201	292/293	4/13/2010	Heat Fusion	112	112	109	106	106	111	110	108	107	107	126	124	121	124	125	109	109	124	P
DS 152	Area 1	P201	293/295	4/13/2010	Heat Fusion	110	103	106	100	108	107	106	107	103	105	124	124	123	125	125	105	106	124	P
DS 153	Area 1	P201	295/296	4/13/2010	Heat Fusion	114	114	112	112	117	105	102	105	103	109	122	120	122	121	122	114	105	121	P
DS 154	Area 1	P201	270/291	4/13/2010	Heat Fusion	113	113	114	108	104	117	113	111	110	114	124	134	122	139	127	110	113	129	P
DS 155	Area 1	P201	297/298	4/13/2010	Heat Fusion	115	112	113	109	107	112	108	107	101	105	125	121	120	119	124	111	107	122	P
DS 156	Area 1	P201	298/300	4/13/2010	Heat Fusion	113	110	108	106	107	113	108	106	115	106	125	124	122	124	128	109	110	125	P
DS 157	Area 1	P201	299/301	4/13/2010	Heat Fusion	106	102	103	101	103	115	110	110	110	111	127	128	128	126	127	103	111	127	P
DS 158	Area 1	P201	301/302	4/13/2010	Heat Fusion	118	112	117	118	116	108	104	104	107	103	122	120	116	121	115	116	105	119	P
DS 159	Area 1	P201	302/303	4/13/2010	Heat Fusion	120	118	116	121	111	118	112	107	110	116	125	124	123	121	120	117	113	123	P
DS 160	Area 1	P201	305/307	4/13/2010	Heat Fusion	114	114	120	113	112	116	109	108	110	115	130	124	128	131	125	115	112	128	P
DS 161	Area 1	P201	309/310	4/13/2010	Heat Fusion	100	102	101	98	99	113	110	108	109	112	128	128	131	132	134	100	110	131	P
DS 162	Area 1	P201	307/312	4/13/2010	Heat Fusion	114	116	113	115	112	117	118	114	116	117	126	126	104	125	130	114	116	122	P
DS 163	Area 1	P201	276/285	4/13/2010	Single Extrusion	110	86	114	111	109	-	-	-	-	-	119	121	117	124	121	106	-	120	P
DS 164	Area 1	P201	EPDS/153/296	4/13/2010	Single Extrusion	96	96	107	101	98	-	-	-	-	-	116	120	122	127	124	100	-	122	P
DS 165	Area 1	P201	315/316	4/14/2010	Heat Fusion	122	123	120	124	119	119	111	119	110	118	128	122	129	128	126	122	115	127	P
DS 166	Area 1	P201	319/321	4/14/2010	Heat Fusion	118	105	114	107	107	116	112	115	116	112	126	123	124	122	125	110	114	124	P
DS 167	Area 1	P201	322/323	4/14/2010	Heat Fusion	101	97	116	98	113	121	116	117	115	116	128	125	120	124	119	105	117	123	P
DS 168	Area 1	P201	287/325	4/14/2010	Heat Fusion	120	114	119	112	108	118	116	114	111	112	126	125	125	123	126	115	114	125	P
DS 169	Area 1	P201	325/326	4/14/2010	Heat Fusion	118	111	117	114	114	104	106	107	102	114	132	130							

TABLE 3.3.5
SUMMARY OF LLDPE LINER DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Sample ID	Area	Location	Seam Number	Laboratory Test Date	Weld Type ⁽²⁾	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Shear	Shear	Shear	Shear	Shear	Mean	Mean	Mean	Test Pass/Fail ⁽³⁾
						1A ⁽²⁾	2A ⁽²⁾	3A ⁽²⁾	4A ⁽²⁾	5A ⁽²⁾	1B ⁽²⁾	2B ⁽²⁾	3B ⁽²⁾	4B ⁽²⁾	5B ⁽²⁾	1 ⁽²⁾	2 ⁽²⁾	3 ⁽²⁾	4 ⁽²⁾	5 ⁽²⁾	Peel A (ppi) ⁽²⁾	Peel B (ppi) ⁽²⁾	Shear (ppi) ⁽²⁾	
DS 172	Area 1	P201 Ditch	337/338	4/14/2010	Heat Fusion	117	118	116	113	114	114	104	106	110	101	131	127	128	128	129	116	107	129	P
DS 173	Area 1	P201	326/330	4/14/2010	Heat Fusion	103	107	105	108	103	116	112	110	108	111	127	125	124	125	124	105	111	125	P
DS 174	Area 1	P201	317/303	4/14/2010	Heat Fusion	109	115	117	111	110	111	107	110	113	111	120	126	123	124	123	112	110	123	P
DS 175	Area 1	Detention Basin 6	347/348	6/9/2010	Heat Fusion	123	118	124	130	123	124	124	120	130	127	125	129	125	126	125	124	125	126	P
DS 176	Area 1	Detention Basin 6	348/349	6/9/2010	Heat Fusion	117	114	123	120	128	108	115	120	120	120	139	137	136	140	134	120	117	137	P
DS 177	Area 1	Detention Basin 6	351/352	6/9/2010	Heat Fusion	110	122	115	125	116	111	126	116	130	24	132	136	137	140	133	118	101	136	P
DS 178	Area 1	Detention Basin 6	353/EPR755	6/9/2010	Single Extrusion	110	115	109	110	106	-	-	-	-	-	121	136	131	128	128	110	-	129	P
DS 179	Area 1	P201 Bump Out	357/358	6/10/2010	Heat Fusion	114	115	113	121	117	121	119	118	125	117	120	124	117	118	118	116	120	119	P
DS 180	Area 2	East AOI-6	363/364	8/28/2010	Heat Fusion	116	114	108	109	114	111	112	113	111	110	118	122	128	125	122	112	111	123	P
DS 181	Area 2	East AOI-6	367/368	8/28/2010	Heat Fusion	122	120	120	116	118	120	114	117	113	110	127	127	132	127	131	119	115	129	P
DS 182	Area 2	East AOI-6	368/369	8/28/2010	Heat Fusion	115	117	118	119	115	115	123	111	111	107	129	129	133	134	132	117	114	131	P
DS 183	Area 2	East AOI-6	242/372	8/28/2010	Heat Fusion	118	120	113	122	119	122	125	119	125	120	134	133	133	138	133	119	122	134	P
DS 184	Area 2	East AOI-6	372/373	8/28/2010	Heat Fusion	122	122	115	118	122	125	124	118	123	117	124	127	126	125	125	120	122	126	P
DS 185	Area 2	East AOI-6	375/376	8/28/2010	Heat Fusion	122	118	119	119	121	118	116	111	110	109	129	126	124	129	123	120	113	126	P
DS 186	Area 2	East AOI-6	376/377	8/27/2010	Heat Fusion	109	107	114	115	111	114	113	113	113	109	125	112	116	121	124	111	112	120	P
DS 187	Area 2	East AOI-6	380/382	8/27/2010	Heat Fusion	116	116	115	114	123	111	106	113	113	106	121	118	119	126	117	117	110	120	P
DS 188	Area 2	AOI-6/10	390/391	8/27/2010	Heat Fusion	116	110	111	120	121	105	101	105	104	104	115	117	118	117	120	116	104	117	P
DS 189	Area 2	AOI-6/10	391/392	8/27/2010	Heat Fusion	121	125	116	117	120	113	117	113	114	113	118	115	120	120	118	120	114	118	P
DS 190	Area 2	AOI-6/10	392/393	8/27/2010	Heat Fusion	116	109	111	112	113	104	101	105	115	104	122	124	119	117	120	112	106	120	P
DS 191	Area 2	East AOI-6	373/383	8/28/2010	Heat Fusion	119	118	111	115	116	119	112	114	115	117	128	131	134	129	127	116	115	130	P
DS 192	Area 2	AOI-6/10	395/396	8/27/2010	Heat Fusion	124	124	121	120	120	113	110	117	116	110	124	119	120	118	123	122	113	121	P
DS 193	Area 2	AOI-6/10	393/398	8/27/2010	Heat Fusion	122	118	126	125	121	111	106	106	102	100	121	123	115	124	116	122	105	120	P
DS 194	Area 2	AOI-6/10	46/387	8/28/2010	Single Extrusion	87	103	103	94	112	-	-	-	-	-	127	129	131	132	129	100	-	130	P
DS 195	Area 2	East AOI-11	403/404	9/1/2010	Heat Fusion	111	110	111	113	108	110	111	109	109	108	114	120	122	119	121	111	110	119	P
DS 196	Area 2	East AOI-11	404/405	9/1/2010	Heat Fusion	116	116	122	114	116	110	111	114	113	113	118	128	123	121	123	117	112	123	P
DS 197	Area 2	East AOI-11	406/407	9/1/2010	Heat Fusion	125	113	119	118	119	112	111	110	114	118	126	121	122	125	125	119	113	124	P
DS 198	Area 2	East AOI-11	407/408	9/1/2010	Heat Fusion	111	106	111	106	103	98	96	102	99	104	130	125	127	120	127	108	100	126	P
DS 199	Area 2	East AOI-11	402/407	9/1/2010	Heat Fusion	118	114	126	120	122	110	102	104	106	99	117	117	118	120	123	120	104	119	P
DS 200	Area 4	East AOI-5	449/450	9/23/2010	Heat Fusion	122	123	126	125	126	119	118	124	119	125	128	130	130	126	126	124	121	128	P
DS 201	Area 4	East AOI-5	446/447	9/23/2010	Heat Fusion	116	123	125	122	120	114	110	117	103	107	126	121	122	127	121	121	110	123	P
DS 202	Area 4	East AOI-5	444/445	9/23/2010	Heat Fusion	119	112	122	118	119	117	118	112	114	117	117	128	125	127	126	118	116	125	P
DS 203	Area 4	East AOI-5	413/411	9/23/2010	Heat Fusion	116	119	127	118	119	123	116	118	118	112	117	114	116	116	122	120	117	117	P
DS 204	Area 4	East AOI-5	414/415	9/23/2010	Heat Fusion	121	119	124	124	126	116	114	117	117	121	113	123	115	123	124	123	117	119	P
DS 205	Area 4	East AOI-5	415/416	9/23/2010	Heat Fusion	115	113	121	121	119	113	119	111	111	117	119	120	119	121	121	118	114	120	P
DS 206	Area 4	East AOI-5	419/420	9/23/2010	Heat Fusion	119	115	117	116	117	116	120	121	126	115	119	118	127	128	122	117	120	123	P
DS 207	Area 4	East AOI-5	417/418	9/23/2010	Heat Fusion	120	115	115	115	120	117	113	119	119	111	123	123	122	122	129	117	116	124	P
DS 208	Area 4	East AOI-5	422/423	9/23/2010	Heat Fusion	119	116	115	116	120	111	115	118	115	112	120	122	119	122	124	117	114	121	P
DS 209	Area 4	East AOI-5	423/424	9/23/2010	Heat Fusion	122	120	123	124	125	119	118	117	117	119	110	111	111	108	125	123	118	113	P
DS 210	Area 4	East AOI-5	425/426	9/23/2010	Heat Fusion	116	118	110	118	114	109	113	113	121	111	119	121	123	124	129	115	113	123	P
DS 211	Area 4	East AOI-5	426/427	9/23/2010	Heat Fusion	119	114	122	118	113	115	116	117	111	118	120	119	127	126	119	117	115	122	P
DS 212	Area 4	East AOI-5	429/430	9/23/2010	Heat Fusion	116	118	112	114	111	119	122	118	121	120	130	122	124	125	124	114	120	125	P
DS 213	Area 4	East AOI-5	430/432	9/23/2010	Heat Fusion	124	122	121	125	127	121	124	118	120	117	133	124	121	130	132	124	120	128	P
DS 214	Area 4	East AOI-5	432/433	9/23/2010	Heat Fusion	110	114	106	108	117	120	108	110	118	118	121	128	119	123	127	111	115	124	P
DS 215	Area 4	East AOI-5	434/438	9/23/2010	Heat Fusion	124	119	120	115	122	128	121	122	117	112	127	124	120	133	134	120	120	128	P
DS 216	Area 4	East AOI-5	440/441	9/23/2010	Heat Fusion	122	112	109	115	109	114	118	109	119	110	127	121	120	118	125	113	114	122	P
DS 217	Area 4	East AOI-5	433/127	9/23/2010	Heat Fusion	115	116	114	115	118	103	97	109	111	113	117	117	117	120	120	116	107	118	P
DS 218	Area 4	East AOI-5	423/425/102	9/23/2010	Heat Fusion	115	117	117	117	124	120	127	117	108	130	121	126	122	120	118	118	118	124	P
DS 219	Area 5	East AOI-4	452/453	11/9/2010	Heat Fusion	109	113	120	122	123	113	110	112	113	112	124	132	129	133	134	117	112	131	P
DS 220	Area 5	West AOI-4	458/457	11/9/2010	Heat Fusion	117	116	115	111	111	107	117	115	17	108	125	126	126	127	128	114	113	127	P
DS 221	Area 5	West AOI-4	463/465	11/9/2010	Heat Fusion	121	121	118	128	119	116	113	116	119	114	121	124	121	122	123	121	116	122	P
DS 222	Area 5	West AOI-4	467/468	11/9/2010	Heat Fusion	116	120	112	115	115	109	107	106	105	103	122	122	123	126	125	116	106	124	P
DS 223	Area 5	West AOI-4	468/469	11/9/2010	Heat Fusion	105	118	110	106	105	109	115	112	111	109	122	123	122	127	125	109	111	124	P
DS 224	Area 5	West AOI-4	473/474	11/9/2010	Heat Fusion	121	128	132	120	120	121	111	113	117	117	127	129	127	128	130	124	116	128	P
DS 225	Area 5	West AOI-4	476/477	11/9/2010	Heat Fusion	118	123	122	109	121	111	112	114	118	111	123	123	124	128	126	119	113	125	P
DS 226	Area 5	West AOI-4	478/479	11/9/2010	Heat Fusion	123																		

TABLE 3.3.5
SUMMARY OF LLDPE LINER DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Sample ID	Area	Location	Seam Number	Laboratory Test Date	Weld Type ⁽²⁾	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Shear	Shear	Shear	Shear	Shear	Mean	Mean	Mean	Test Pass/Fail ⁽³⁾
						1A ⁽²⁾	2A ⁽²⁾	3A ⁽²⁾	4A ⁽²⁾	5A ⁽²⁾	1B ⁽²⁾	2B ⁽²⁾	3B ⁽²⁾	4B ⁽²⁾	5B ⁽²⁾	1 ⁽²⁾	2 ⁽²⁾	3 ⁽²⁾	4 ⁽²⁾	5 ⁽²⁾	Peel A (ppi) ⁽²⁾	Peel B (ppi) ⁽²⁾	Shear (ppi) ⁽²⁾	
DS 229	Area 5	West AOI-4	485/486	11/9/2010	Heat Fusion	112	109	116	112	110	110	109	119	110	110	128	134	129	132	130	112	112	130	P
DS 230	Area 5	West AOI-4	490/491	11/9/2010	Heat Fusion	119	125	127	121	123	122	112	118	111	110	124	123	124	124	127	123	115	124	P
DS 231	Area 5	West AOI-4	496/497	11/9/2010	Heat Fusion	119	132	114	123	116	125	128	123	125	120	131	131	131	136	133	121	124	132	P
DS 232A	Area 5	West AOI-4	499/451	11/9/2010	Single Extrusion	101	126	107	109	112	-	-	-	-	-	127	132	131	131	128	111	-	130	P
DS 232B	Area 5	West AOI-4	499/451	11/9/2010	Single Extrusion	121	128	118	106	104	-	-	-	-	-	122	135	132	132	132	115	-	131	P
DS 233	Area 5	West AOI-4	494/495	11/12/2010	Heat Fusion	122	126	118	118	118	115	115	118	111	110	132	131	130	137	135	120	114	133	P
DS 234	Area 5	West AOI-4	497/498	11/12/2010	Heat Fusion	125	123	124	115	121	128	130	126	126	125	132	131	131	136	134	121	127	133	P
DS 235	Area 5	EAOI-4	500/501	6/24/2011	Heat Fusion	114	117	116	112	115	111	118	117	104	114	127	126	125	127	125	115	113	126	P
DS 236	Area 5	EAOI-4	502/504	6/24/2011	Heat Fusion	116	103	101	109	118	106	103	106	108	104	118	118	121	117	119	109	105	119	P
DS 237	Area 5	EAOI-4	501/505	6/24/2011	Heat Fusion	115	114	113	115	110	118	116	116	116	114	122	120	121	127	126	113	116	123	P
DS 238	Area 5	EAOI-4	504/506	6/24/2011	Heat Fusion	117	117	115	119	118	107	107	107	106	106	124	125	125	125	126	117	107	125	P
DS 239	Area 5	EAOI-4	506/507	6/24/2011	Heat Fusion	113	113	113	111	111	114	112	114	114	113	128	128	129	124	128	112	113	127	P
DS 240	Area 5	EAOI-4	507/508	6/24/2011	Heat Fusion	114	114	116	118	112	109	112	115	114	116	125	126	124	124	127	115	113	125	P
DS 241	Area 5	EAOI-4	508/509	6/24/2011	Heat Fusion	103	100	104	102	109	111	113	114	114	111	124	122	127	121	124	104	113	124	P
DS 242	Area 5	EAOI-4	509/510	6/24/2011	Heat Fusion	119	113	111	113	110	110	109	111	115	112	121	124	123	123	122	113	111	123	P
DS 243	Area 5	East AOI-4	511/512	6/25/2011	Heat Fusion	111	113	111	110	113	109	111	110	109	106	117	116	120	119	118	112	109	118	P
DS 244	Area 5	East AOI-4	512/513	6/25/2011	Heat Fusion	115	111	114	99	103	111	109	113	112	113	116	119	118	120	122	108	112	119	P
DS 245	Area 5	EAOI-4	510/516	6/25/2011	Heat Fusion	114	118	114	116	112	113	114	110	116	107	122	124	121	122	124	115	112	123	P
DS 246	Area 5	EAOI-4	517/519	6/25/2011	Heat Fusion	106	109	113	110	110	113	106	108	106	115	121	121	117	119	121	110	110	120	P
DS 247	Area 5	East AOI-4	519/521	6/25/2011	Heat Fusion	111	115	111	113	111	109	110	109	114	108	114	119	119	119	122	112	110	119	P
DS 248	Area 5	EAOI-4	520/522	6/25/2011	Heat Fusion	109	107	108	109	109	106	104	105	106	103	122	117	118	116	125	108	105	120	P
DS 249	Area 5	East AOI-4	515/527	6/29/2011	Heat Fusion	111	110	111	115	111	114	117	117	113	113	125	125	123	124	125	112	115	124	P
DS 250	Area 5	East AOI-4	531/533	6/29/2011	Heat Fusion	112	114	101	97	115	102	107	102	104	103	121	121	121	121	120	108	104	121	P
DS 251	Area 5	EAOI-4	535/537	6/29/2011	Heat Fusion	116	115	113	112	111	109	115	110	113	107	122	120	120	120	121	113	111	121	P
DS 252	Area 5	EAOI-4	540/541	6/29/2011	Heat Fusion	116	114	113	116	116	122	118	117	117	116	122	123	123	122	124	115	118	123	P
DS 253	Area 5	East AOI-4	526/528	6/29/2011	Heat Fusion	109	107	109	109	107	115	116	114	113	116	128	129	128	127	126	108	115	128	P
DS 254	Area 5	East AOI-4	529/530	6/29/2011	Heat Fusion	108	110	110	104	110	114	109	112	109	114	126	126	125	125	127	108	112	126	P
DS 255	Area 5	EAOI-4	534/535	6/29/2011	Heat Fusion	111	110	109	116	109	113	116	116	112	125	123	122	122	124	111	114	123	P	
DS 256	Area 5	EAOI-4	537/538	6/29/2011	Heat Fusion	104	105	116	103	104	115	115	112	114	114	123	125	122	126	125	106	114	124	P
DS 257	Area 5	EAOI-4	541/542	6/29/2011	Heat Fusion	114	113	113	111	116	116	116	117	116	115	123	122	123	123	124	113	116	123	P
DS 258	Area 5	EAOI-4	525/539	6/29/2011	Heat Fusion	105	104	109	113	104	105	109	110	114	117	121	119	122	121	125	107	111	122	P
DS 259	Area 5	East AOI-4	548/549	6/29/2011	Heat Fusion	109	105	116	115	112	114	112	112	111	111	123	124	123	124	127	111	112	124	P
DS 260	Area 5	East AOI-4	552/553	6/29/2011	Heat Fusion	107	104	105	104	103	115	109	110	111	110	121	122	122	120	123	105	111	122	P
DS 261	Area 5	East AOI-4	555/556	6/29/2011	Heat Fusion	104	116	107	113	116	111	120	113	112	114	119	120	118	118	119	111	114	119	P
DS 262	Area 5	East AOI-4	549/550	6/29/2011	Heat Fusion	121	119	119	120	120	107	118	111	119	120	123	124	123	124	123	120	115	123	P
DS 263	Area 5	East AOI-4	550/552	6/29/2011	Heat Fusion	116	112	116	110	120	109	113	110	112	110	123	126	124	122	128	115	111	125	P
DS 264	Area 5	EAOI-4	554/555	6/29/2011	Heat Fusion	123	127	122	124	123	122	121	119	121	122	126	132	133	132	133	124	121	131	P
DS 265	Area 5	East AOI-4	557/558	6/29/2011	Heat Fusion	117	109	108	105	103	114	111	112	110	111	120	119	120	119	122	108	112	120	P
DS 266	Area 5	East AOI-4	553/560	6/30/2011	Heat Fusion	117	113	110	110	112	107	106	114	110	113	121	124	123	120	121	112	110	122	P
DS 267	Area 5	East AOI-4	560/561	6/30/2011	Heat Fusion	107	109	108	106	108	108	109	107	103	110	124	124	123	118	120	108	107	122	P
DS 268	Area 5	East AOI-4	561/562	6/30/2011	Heat Fusion	110	111	109	110	110	107	110	105	101	104	115	116	119	112	119	110	105	116	P
DS 269	Area 5	East AOI-4	562/563	6/30/2011	Heat Fusion	109	110	108	107	111	104	108	104	102	102	112	114	111	107	110	109	104	111	P
DS 270	Area 5	West AOI-4	565/566	7/1/2011	Heat Fusion	108	106	108	110	105	105	103	105	101	104	119	117	120	121	121	107	104	120	P
DS 271	Area 5	West AOI-4	567/568	7/1/2011	Heat Fusion	107	101	102	110	101	106	110	106	107	108	114	113	114	114	114	104	107	114	P
DS 272	Area 5	West AOI-4	568/569	7/1/2011	Heat Fusion	109	107	109	111	113	113	109	116	115	116	119	116	119	118	117	110	114	118	P
DS 273	Area 5	East AOI-4	559/573	7/1/2011	Heat Fusion	110	113	113	111	112	109	109	117	114	112	119	119	119	118	120	112	112	119	P
DS 274	Area 5	East AOI-4	573/574	7/1/2011	Heat Fusion	115	115	112	114	116	113	114	110	115	111	123	123	122	123	123	114	113	123	P
DS 275	Area 5	West AOI-4	576/577	7/1/2011	Heat Fusion	106	108	110	108	111	112	117	118	112	114	124	123	124	124	123	109	115	124	P
DS 276	Area 5	West AOI-4	577/578	7/1/2011	Heat Fusion	115	120	112	115	112	115	119	119	118	116	123	123	122	123	124	115	117	123	P
DS 277	Area 5	West AOI-4	578/579	7/1/2011	Heat Fusion	109	113	110	110	113	111	119	115	115	112	124	124	123	123	122	111	114	123	P
DS 278	Area 5	West AOI-4	582/583	7/1/2011	Heat Fusion	113	115	118	114	119	102	107	108	106	99	118	118	121	115	115	116	104	117	P
DS 279	Area 5	East AOI-4	553/573	7/1/2011	Heat Fusion	114	111	118	117	121	117	119	113	117	105	120	119	121	122	120	116	114	120	P
DS 280	Area 5	West AOI-4	548/588	7/8/2011	Single Extrusion	96	88	96	89	98	-	-	-	-	-	122	114	115	117	114	93	-	116	P
DS 281	Area 5	East AOI-4	586/587	7/8/2011	Single Extrusion	108	104	111	115	104	-	-	-	-	-	117	132	127	127	130	108	-	127	P
DS 281A	Area 5	EAOI-4	515/587	7/13/2011	Heat Fusion	106	106	109	108	110	111	116												

TABLE 3.3.5
SUMMARY OF LLDPE LINER DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Sample ID	Area	Location	Seam Number	Laboratory Test Date	Weld Type ⁽²⁾	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Shear	Shear	Shear	Shear	Shear	Mean	Mean	Mean	Test Pass/Fail ⁽³⁾
						1A ⁽²⁾	2A ⁽²⁾	3A ⁽²⁾	4A ⁽²⁾	5A ⁽²⁾	1B ⁽²⁾	2B ⁽²⁾	3B ⁽²⁾	4B ⁽²⁾	5B ⁽²⁾	1 ⁽²⁾	2 ⁽²⁾	3 ⁽²⁾	4 ⁽²⁾	5 ⁽²⁾	Peel A (ppi) ⁽²⁾	Peel B (ppi) ⁽²⁾	Shear (ppi) ⁽²⁾	
DS 283	Area 5	West AOI-4	591/593	7/13/2011	Heat Fusion	119	110	114	111	108	104	106	97	106	105	122	124	122	120	118	112	104	121	P
DS 284	Area 5	West AOI-4	593/594	7/13/2011	Heat Fusion	114	109	110	112	111	114	104	106	114	112	118	117	117	118	122	111	110	118	P
DS 285	Area 5	West AOI-4	594/595	7/13/2011	Heat Fusion	114	114	116	118	116	113	113	112	117	115	118	119	112	120	117	116	114	117	P
DS 286	Area 5	West AOI-4	595/596	7/13/2011	Heat Fusion	120	119	115	119	120	114	114	113	112	117	122	123	123	122	121	119	114	122	P
DS 287	Area 5	West AOI-4	596/597	7/13/2011	Heat Fusion	99	107	106	101	115	109	100	104	111	101	118	118	113	119	118	106	105	117	P
DS 288	Area 5	West AOI-4	597/598	7/13/2011	Heat Fusion	115	109	104	107	107	116	120	113	116	120	120	122	119	122	119	108	117	120	P
DS 289	Area 5	West AOI-4	598/599	7/13/2011	Heat Fusion	115	117	109	1111	112	121	117	113	122	111	119	120	113	121	119	113	117	118	P
DS 290	Area 5	West AOI-4	599/600	7/13/2011	Heat Fusion	109	99	107	109	103	121	121	119	122	116	118	120	117	122	118	104	120	119	P
DS 291	Area 5	West AOI-4	594/605	7/16/2011	Heat Fusion	106	105	104	103	105	116	113	114	113	112	123	122	122	123	118	105	114	122	P
DS 292	Area 5	West AOI-4	605/604	7/16/2011	Single Extrusion	97	89	101	108	105	-	-	-	-	-	126	122	121	121	125	100	-	123	P
DS 293	Area 5	West AOI-4	604/472	7/16/2011	Single Extrusion	116	112	142	118	123	-	-	-	-	-	127	123	129	126	126	122	-	128	P
DS 294	Area 5	West AOI-4	611/612	9/2/2011	Heat Fusion	122	122	122	118	126	114	118	113	117	116	133	137	138	137	143	122	116	138	P
DS 295	Area 5	West AOI-4	612/614	9/2/2011	Heat Fusion	125	122	123	107	122	112	109	104	105	113	137	147	139	139	139	120	109	140	P
DS 296	Area 5	West AOI-4	610/612	9/2/2011	Heat Fusion	114	109	110	113	127	122	119	129	127	129	147	149	149	151	155	115	125	150	P
DS 297	Area 5	West AOI-4	612/613	9/2/2011	Heat Fusion	103	109	109	108	106	105	120	112	110	110	143	143	148	142	142	107	111	144	P
DS 298	Area 5	West AOI-4	614/616	9/2/2011	Heat Fusion	108	108	107	106	108	116	106	109	106	107	143	147	143	144	150	107	109	145	P
DS 299	Area 5	West AOI-4	616/617	9/2/2011	Heat Fusion	115	108	113	110	104	136	117	117	110	127	148	152	146	148	146	110	121	148	P
DS 300	Area 5	West AOI-4	617/618	9/2/2011	Heat Fusion	103	117	118	109	118	118	126	122	117	102	143	149	144	144	145	113	117	145	P
DS 301	Area 5	West AOI-4	613/615	9/2/2011	Heat Fusion	113	110	108	118	111	1111	105	107	111	108	143	142	142	148	141	112	108	143	P
DS 302	Area 5	West AOI-4	618/620	9/2/2011	Heat Fusion	101	108	107	107	115	105	104	106	106	107	138	139	137	144	137	108	106	139	P
DS 303	Area 5	West AOI-4	621/623	9/2/2011	Heat Fusion	108	106	106	109	112	110	110	109	110	114	148	142	139	142	141	108	111	142	P
DS 304	Area 5	West AOI-4	623/624	9/2/2011	Heat Fusion	124	113	112	111	119	115	111	116	107	124	146	148	147	148	152	116	115	148	P
DS 305	Area 5	Detention Basin 1	626/627	9/2/2011	Heat Fusion	115	112	116	120	114	113	112	114	103	112	149	144	142	143	149	115	111	145	P
DS 306	Area 5	Detention Basin 1	627/628	9/2/2011	Heat Fusion	124	107	118	114	106	129	124	120	121	118	144	146	149	143	145	114	122	145	P
DS 307	Area 5	Detention Basin 1	628/629	9/2/2011	Heat Fusion	109	128	107	118	107	121	121	122	131	119	148	148	153	145	149	114	123	149	P
DS 308	Area 5	Detention Basin 1	629/632	9/2/2011	Heat Fusion	118	117	119	126	132	119	127	121	116	117	149	151	149	149	152	122	120	150	P
DS 309	Area 5	Detention Basin 1	635/636	9/2/2011	Heat Fusion	113	125	114	127	120	116	112	110	120	109	150	150	155	151	149	120	113	151	P
DS 310	Area 5	Detention Basin 1	634/639	9/2/2011	Heat Fusion	107	107	105	106	108	109	112	113	112	118	148	155	151	148	148	107	113	150	P
DS 311	Area 5	Detention Basin 1	641/640	9/2/2011	Heat Fusion	117	113	126	113	113	113	119	140	128	121	146	149	146	153	146	116	124	148	P
DS 312	Area 5	Detention Basin 1	641/642	9/2/2011	Heat Fusion	120	122	111	123	113	107	104	121	103	117	119	124	130	125	125	118	110	125	P
DS 313	Area 5	Detention Basin 1	644/645	9/2/2011	Heat Fusion	117	122	127	123	125	116	118	119	118	120	156	163	156	157	157	123	118	158	P
DS 314	Area 5	Detention Basin 1	629/641	9/2/2011	Heat Fusion	110	123	119	120	120	109	121	101	136	133	147	150	148	148	142	118	120	147	P
DS 315	Area 5	West AOI-4	646/612	9/3/2011	Heat Fusion	111	1111	114	111	112	116	115	117	127	113	149	151	150	157	112	118	153	P	
DS 316	Area 5	West AOI-4	647/649	9/3/2011	Heat Fusion	128	128	130	126	128	112	133	129	109	127	138	144	144	140	134	128	122	140	P
DS 317	Area 5	West AOI-4	477/648	9/3/2011	Single Extrusion	124	103	118	91	94	-	-	-	-	-	134	136	135	127	132	106	-	133	P
DS 318	Area 5	Detention Basin 2	654/656	9/8/2011	Heat Fusion	107	107	102	106	103	106	112	113	110	106	132	133	134	139	139	105	109	135	P
DS 319	Area 5	Detention Basin 2	656/657	9/8/2011	Heat Fusion	121	116	122	118	118	113	114	109	115	115	145	151	146	144	145	119	113	146	P
DS 320	Area 5	Detention Basin 2	658/659	9/8/2011	Heat Fusion	103	101	100	104	107	107	105	108	107	109	100	101	108	107	113	103	107	106	P
DS 321	Area 5	Detention Basin 2	659/660	9/8/2011	Heat Fusion	109	103	108	106	105	99	96	96	96	97	115	119	118	122	123	106	97	119	P
DS 322	Area 5	Detention Basin 2	660/661	9/8/2011	Heat Fusion	108	108	109	104	110	114	113	113	117	115	114	116	114	115	120	108	114	116	P
DS 323	Area 5	Detention Basin 2	664/662	9/8/2011	Heat Fusion	111	108	114	112	111	115	110	113	113	110	118	123	120	119	123	111	112	121	P
DS 324	Area 5	Detention Basin 2	663/664	9/8/2011	Heat Fusion	124	122	124	117	123	119	117	111	105	116	128	129	131	130	127	122	114	129	P
DS 325	Area 5	Detention Basin 2	664/665	9/8/2011	Heat Fusion	114	108	104	113	114	110	105	109	114	118	119	125	117	127	120	111	111	122	P
DS 326	Area 5	Detention Basin 2	667/668	9/8/2011	Heat Fusion	114	111	112	112	112	112	105	106	110	115	118	121	126	119	126	112	110	122	P
DS 327	Area 5	Detention Basin 2	668/670	9/8/2011	Heat Fusion	110	111	115	108	115	109	107	106	110	112	123	118	116	118	118	112	109	119	P
DS 328	Area 5	Detention Basin 2	569/654	9/8/2011	Heat Fusion	113	111	108	107	112	109	120	115	112	116	122	129	138	121	126	110	114	127	P
DS 329	Area 5	Detention Basin 5	685/686	9/16/2011	Heat Fusion	119	116	120	124	117	115	115	117	112	109	120	125	120	120	119	114	121	121	P
DS 330	Area 5	Detention Basin 5	684/685	9/16/2011	Heat Fusion	97	113	115	107	107	116	117	118	119	118	125	126	121	122	121	108	118	123	P
DS 331	Area 5	Detention Basin 5	683/681	9/16/2011	Heat Fusion	116	119	111	105	115	115	116	115	115	119	118	118	117	123	120	113	116	119	P
DS 332	Area 5	Detention Basin 5	679/680	9/16/2011	Heat Fusion	113	110	106	104	111	112	112	118	113	110	121	121	116	118	121	109	113	119	P
DS 333	Area 5	Detention Basin 5	679/678	9/16/2011	Heat Fusion	110	115	116	113	109	108	116	119	108	114	127	132	131	127	127	113	113	129	P
DS 334	Area 5	Detention Basin 5	678/677	9/16/2011	Heat Fusion	116	119	118	120	115	118	121	122	119	125	125	130	124	125	131	118	121	127	P
DS 335	Area 5	AOI-15	689/691	9/28/2011	Heat Fusion	121	119	119	121	119	105	111	116	107	109	119	121	127	127	120	120	110	123	P
DS 336	Area 5	AOI-15	688/689	9/28/2011	Heat Fusion	119	117	117	120	119	123	112	114	113	112	128	125	124	124	124	118	115	125	P
DS 337	Area 5	AOI-15	688/695	9/28/2011	Heat Fusion	115	115	112	112	114	127	1												

TABLE 3.3.5
SUMMARY OF LLDPE LINER DESTRUCTIVE SEAM TEST RESULTS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Test Sample ID	Area	Location	Seam Number	Laboratory Test Date	Weld Type ⁽²⁾	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Peel	Shear	Shear	Shear	Shear	Shear	Mean	Mean	Mean	Test Pass/Fail ⁽³⁾
						1A ⁽²⁾	2A ⁽²⁾	3A ⁽²⁾	4A ⁽²⁾	5A ⁽²⁾	1B ⁽²⁾	2B ⁽²⁾	3B ⁽²⁾	4B ⁽²⁾	5B ⁽²⁾	1 ⁽²⁾	2 ⁽²⁾	3 ⁽²⁾	4 ⁽²⁾	5 ⁽²⁾	Peel A (ppi) ⁽²⁾	Peel B (ppi) ⁽²⁾	Shear (ppi) ⁽²⁾	
DS 340	Area 5	Detention Basin 3	707/708	9/27/2011	Heat Fusion	122	125	134	117	122	125	119	130	112	125	159	159	162	162	162	124	122	161	P
DS 341	Area 5	Detention Basin 3	714/715	9/27/2011	Heat Fusion	106	108	110	108	112	110	110	111	112	116	116	119	118	124	121	109	112	120	P
DS 342	Area 5	Detention Basin 3	718/719	9/27/2011	Heat Fusion	116	128	118	119	126	119	122	120	123	116	129	129	128	130	132	121	120	130	P
DS 343	Area 5	Detention Basin 3	715/716	9/27/2011	Heat Fusion	113	110	107	106	105	121	120	118	102	106	122	120	121	122	123	108	113	122	P
DS 344	Area 5	Detention Basin 3	718/534	9/27/2011	Heat Fusion	117	114	112	125	116	111	108	104	118	110	134	122	134	132	129	117	110	130	P
DS 345	Area 5	AOI-15	690/487	9/28/2011	Heat Fusion	104	113	99	122	126	111	119	114	101	107	132	128	129	131	128	113	110	130	P
DS 346	Area 5	Detention Basin 4	723/724	10/12/2011	Heat Fusion	107	108	107	109	109	109	121	111	112	104	113	110	105	122	109	108	111	112	P
DS 347	Area 5	Detention Basin 4	724/725	9/28/2011	Heat Fusion	112	112	107	109	108	109	109	114	115	112	111	108	108	112	114	110	112	111	P
DS 348	Area 5	Detention Basin 4	727/728	9/28/2011	Heat Fusion	112	118	114	105	117	112	99	106	117	107	118	122	116	119	119	113	108	119	P
DS 349	Area 5	Detention Basin 4	728/729	9/28/2011	Heat Fusion	109	106	110	108	105	103	104	100	113	105	113	109	107	116	113	108	105	112	P
DS 350	Area 5	Detention Basin 4	737/738	9/28/2011	Heat Fusion	108	109	104	112	105	110	108	117	118	108	117	115	114	113	109	108	112	114	P
DS 351	Area 5	Detention Basin 4	738/740	9/28/2011	Heat Fusion	112	112	113	111	110	112	105	100	106	108	119	122	121	120	121	112	106	121	P
DS 352	Area 5	Detention Basin 4	740/741	9/28/2011	Heat Fusion	110	109	110	110	110	109	109	106	110	108	113	119	116	119	115	110	108	116	P
DS 353	Area 5	Detention Basin 4	744/745	9/28/2011	Heat Fusion	116	115	113	120	111	111	110	117	116	103	121	120	121	123	118	115	111	121	P
DS 354	Area 5	Detention Basin 4	724/540	9/28/2011	Heat Fusion	113	112	114	117	112	122	111	117	116	116	124	122	119	122	126	114	116	123	P
DS 355	Area 5	Detention Basin 4	686/738	9/28/2011	Heat Fusion	113	110	114	124	110	111	114	104	106	103	117	126	121	108	118	114	108	118	P
DS 356	Area 5	AOI-15	754/752	12/13/2011	Heat Fusion	119	108	109	113	112	120	122	124	132	126	129	131	128	128	133	112	125	130	P
DS 357	Area 5	AOI-15	749/748	12/13/2011	Heat Fusion	118	129	125	122	118	124	126	119	122	120	134	134	135	141	137	122	122	136	P
DS 358	Area 5	AOI-15	757/754	12/13/2011	Heat Fusion	122	119	120	123	121	123	117	122	121	121	129	132	130	137	133	121	121	132	P
DS 359	Area 5	AOI-15	758/760	12/13/2011	Heat Fusion	114	115	118	114	114	118	120	117	120	114	128	134	131	129	132	115	118	131	P
DS 360	Area 5	AOI-15	761/759	12/13/2011	Heat Fusion	111	118	120	112	118	113	103	106	104	116	127	133	128	133	132	116	108	131	P
DS 361	Area 5	AOI-15	764/762	12/13/2011	Heat Fusion	113	109	115	117	108	121	118	123	126	118	139	136	134	135	141	112	121	137	P
DS 362	Area 5	AOI-15	766/767	12/13/2011	Heat Fusion	116	116	108	117	109	115	132	108	127	117	136	131	132	130	132	113	120	132	P
DS 363	Area 5	AOI-15	770/769	12/13/2011	Heat Fusion	125	123	121	130	121	120	114	127	120	116	160	156	157	154	154	124	119	156	P
DS 364	Area 5	AOI-15	773/772	12/13/2011	Heat Fusion	117	115	118	113	109	123	117	124	117	117	127	127	127	131	129	114	120	128	P
DS 365	Area 5	AOI-15	774/775	12/13/2011	Heat Fusion	110	122	123	111	113	123	126	124	119	118	128	127	126	126	127	116	122	127	P
DS 366	Area 5	AOI-15	777/783	12/13/2011	Heat Fusion	115	106	112	102	119	116	113	122	116	121	133	134	133	137	133	111	118	134	P
DS 367	Area 5	AOI-15	788/787	12/13/2011	Heat Fusion	106	110	110	101	112	117	115	115	117	124	125	130	125	126	129	108	118	127	P
DS 368	Area 5	AOI-15	789/790	12/13/2011	Heat Fusion	115	114	112	109	109	114	105	108	108	114	131	127	128	130	136	112	110	130	P
DS 369	Area 5	AOI-15	795/794	12/13/2011	Heat Fusion	110	112	116	112	112	103	115	119	106	124	130	131	128	128	129	112	113	129	P
DS 370	Area 5	AOI-15	797/796	12/13/2011	Heat Fusion	109	109	108	109	106	120	116	118	118	116	128	128	133	134	131	108	118	131	P
DS 371	Area 5	AOI-15	797/799	12/13/2011	Heat Fusion	108	114	107	112	108	124	122	122	121	120	133	130	130	129	137	110	122	132	P
DS 372	Area 5	AOI-15	799/800	12/13/2011	Heat Fusion	120	122	118	122	122	127	122	119	123	124	134	135	139	134	140	121	123	136	P
DS 373	Area 5	AOI-15	799/801	12/13/2011	Heat Fusion	118	117	114	116	115	126	123	122	128	126	139	140	133	134	135	116	125	136	P
DS 374	Area 5	AOI-15	802/806	12/13/2011	Heat Fusion	110	116	114	117	112	116	116	118	115	106	123	125	125	130	124	114	114	125	P
DS 375	Area 5	AOI-15	800/802	12/13/2011	Heat Fusion	121	116	123	122	121	125	116	119	123	120	139	139	139	146	145	121	121	142	P
DS 376	Area 5	AOI-15	797/795	12/13/2011	Heat Fusion	116	119	117	114	115	116	123	112	118	115	124	123	126	124	123	116	117	124	P
DS 377	Area 5	AOI-15	792/790	12/13/2011	Heat Fusion	119	108	116	114	111	113	117	110	113	116	134	129	128	136	130	114	114	131	P
DS 378	Area 5	AOI-15	802/624	12/13/2011	Heat Fusion	121	115	112	115	109	116	116	115	111	115	148	142	139	144	147	114	115	144	P
DS 379	Area 5	AOI-15	806/807	12/13/2011	Heat Fusion	106	112	104	108	102	113	118	107	112	107	122	124	125	126	127	106	111	125	P

Notes:

" - " Data not available or not recorded.

⁽¹⁾ Destructive seam quality assurance field test results obtained using field tensiometer (ASTM D4437).

⁽²⁾ Destructive seam quality assurance test results obtained from TRI/Environmental, Inc. laboratory testing final reports (ASTM D6392).

⁽³⁾ Acceptance of destructive seam shear test requires a minimum of 90 ppi (1,500 psi) and acceptance of destructive seam peel test requires a minimum of 75 ppi (1,250 psi) for fusion welds and 66 ppi (1,100 psi) for extrusion welds.

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1	EAOI-10	1-Aug-08	1/3	-	77 ft E, EOS	P	2	2	Pass	DS 1
R 2	EAOI-10	1-Aug-08	3/4	-	16 ft E, EOS	P	6	2	Pass	DS 3
R 3	EAOI-10	1-Aug-08	3/4/5	-	120 ft E, EOS	P	7	2	Pass	
R 4	EAOI-10	1-Aug-08	4/5/6	-	124 ft E, EOS	B	16	-	Pass	
R 5	EAOI-10	1-Aug-08	-	5	6 ft W, EOP-5	P	2	2	Pass	
R 6	EAOI-10	1-Aug-08	-	5	13 ft W, EOP-5	P	2	2	Pass	
R 7	EAOI-10	1-Aug-08	-	5	21 ft W, EOP-5	P	2	2	Pass	
R 8	EAOI-10	1-Aug-08	-	5	45 ft E, EOP-5	B	1	-	Pass	
R 9	EAOI-10	1-Aug-08	5/6	-	30 ft E, EOS	P	2	2	Pass	
R 10	EAOI-10	1-Aug-08	5/6/7	-	11 ft E, EOS	B	16	-	Pass	
R 11	EAOI-10	1-Aug-08	6/7	-	7ft N, EOS	P	3	2	Pass	
R 12	EAOI-10	1-Aug-08	6/7/8	-	13 ft E, EOS	B	16	-	Pass	
R 13	EAOI-10	2-Aug-08	-	8	14 ft E, EOF P-8	P	14	4	Pass	
R 14	EAOI-10	2-Aug-08	8/10	-	10 ft E, EOF-P-8-10	P	10	3	Pass	
R 15	EAOI-10	2-Aug-08	8/10	-	61 ft E, EOS	P	8	2	Pass	DS 7
R 16	EAOI-10	1-Aug-08	-	3	39 ft E, E of P-3	P	2	2	Pass	
R 17	EAOI-10	2-Aug-08	-	4	26 ft E of P-4	P	2	2	Pass	
R 18	EAOI-10	1-Aug-08	6/8	-	222 ft W of P 6-8	P	6	3	Pass	
R 19	EAOI-10	1-Aug-08	1/3	-	200 ft E, EOS	P	2	2	Pass	
R 20	EAOI-10	1-Aug-08	4/6	-	73 ft E, EOS	P	8	2	Pass	DS 5
R 21	EAOI-10	1-Aug-08	1/2/3	-	249 ft E, EOS	P	1	1	Pass	
R 22	EAOI-10	1-Aug-08	2/3	-	10 ft N, EOS	P	6	2	Pass	DS 2
R 23	EAOI-10	1-Aug-08	2/3/4	-	114ft W, EOS	P	3	2	Pass	
R 24	EAOI-10	2-Aug-08	-	6	100 ft W, EOS	B	1	-	Pass	
R 25	EAOI-10	1-Aug-08	8/9/10	-	95 ft W, EOS	P	13	2	Pass	
R 26	EAOI-10	2-Aug-08	-	10	14 ft W, E of P-10	P	3	2	Pass	
R 27	EAOI-10	2-Aug-08	-	10	5 ft W E of P-10	P	1	1	Pass	
R 28	EAOI-10	2-Aug-08	9/10/11	-	99 ft W, EOS	B	16	-	Pass	
R 29	EAOI-10	2-Aug-08	-	10	4 ft W, EOP-10	P	2	2	Pass	
R 30	EAOI-10	1-Aug-08	-	6	11 ft W, EOP-6	P	3	2	Pass	
R 31	EAOI-10	1-Aug-08	6/8	-	39 ft W, EOS	P	7	2	Pass	DS 6
R 32	EAOI-10	1-Aug-08	-	8	35 ft W, on P-8	P	5	3	Pass	
R 33	EAOI-10	1-Aug-08	-	8	6 ft W, E of P-8	P	2	2	Pass	
R 34	EAOI-10	2-Aug-08	10/11	-	44 ft E, EOS	P	8	2	Pass	DS 8
R 35	EAOI-10	2-Aug-08	11/12	-	11 ft N, EOS	P	6	2	Pass	DS 9
R 36	EAOI-10	2-Aug-08	10/11/12	-	169 ft E, EOS	B	16	-	Pass	
R 37	EAOI-10	1-Aug-08	6/8	-	30 ft E, EOS	P	7	2	Pass	DS 4
R 38	EAOI-10	1-Aug-08	2/4	-	18 ft W, EOS	P	5	2	Pass	
R 39	EAOI-10	1-Aug-08	-	1	33 ft W, on P-1	P	7	2	Pass	
R 40	EAOI-10	2-Aug-08	-	3	14 ft E, on P-3	P	2	2	Pass	
R 41	EAOI-10	4-Aug-08	8/9	-	7 ft W, EOS	P	6	2	Pass	
R 42	EAOI-10	4-Aug-08	-	9	7 ft W, E of P-9	P	6	5	Pass	
R 43	EAOI-10	5-Aug-08	12/14	-	37 ft E, EOS	P	3	2	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 44	EAOI-10	5-Aug-08	12/14	-	81 ft E, EOS	P	3	2	Pass	
R 45	EAOI-10	5-Aug-08	12/13/14	-	93 ft E, EOS	P	5	2	Pass	
R 46	EAOI-10	5-Aug-08	13/14	-	12 ft N, EOS	P	7	2	Pass	DS 11
R 47	EAOI-10	5-Aug-08	13/14/15	-	98 ft E, EOS	P	2	2	Pass	
R 48	EAOI-10	5-Aug-08	16/18	-	31 ft E, EOS	P	7	2	Pass	DS 13
R 49	EAOI-10	5-Aug-08	18/21	-	5 ft E, EOS	P	5	4	Pass	
R 50	EAOI-10	5-Aug-08	21/23	-	117 ft E, EOS	P	9	2	Pass	DS 15
R 51	EAOI-10	5-Aug-08	11/12/13	-	74 ft E, EOS	P	3	2	Pass	
R 52	EAOI-10	5-Aug-08	15/16	-	173 ft E, EOS	P	8	2	Pass	DS 12
R 53	EAOI-10	7-Aug-08	11/13	-	87 ft E, EOS	P	2	2	Pass	
R 54	EAOI-10	5-Aug-08	11/13	-	42 ft W, EOS	P	7	2	Pass	DS 10
R 55	EAOI-10	7-Aug-08	13/15/19	-	5 ft W, EOS	P	2	2	Pass	
R 56	EAOI-10	7-Aug-08	15/16/19	-	5 ft W, EOS	P	2	2	Pass	
R 57	EAOI-10	7-Aug-08	-	15	34 ft W, on P-15	P	6	5	Pass	
R 58	EAOI-10	7-Aug-08	-	16	41 ft W on P-16	P	5	2	Pass	
R 59	EAOI-10	7-Aug-08	17/20	-	10 ft W, EOS	P	15	2	Pass	
R 60	EAOI-10	5-Aug-08	16/17/18	-	86 ft W, EOS	P	2	2	Pass	
R 61	EAOI-10	5-Aug-08	17/18/20	-	88 ft W, EOS	P	2	2	Pass	
R 62	EAOI-10	5-Aug-08	18/20	-	36 ft W, EOS	P	7	2	Pass	DS 14
R 63	EAOI-10	5-Aug-08	18/20/21	-	73 ft W, EOS	P	2	2	Pass	
R 64	EAOI-10	5-Aug-08	-	21	3 ft W, E of P-21	P	2	2	Pass	
R 65	EAOI-10	5-Aug-08	20/21/22	-	166 ft W, EOS	P	2	2	Pass	
R 66	EAOI-10	7-Aug-08	-	18	2 ft W, E of P-18	P	2	2	Pass	
R 67	EAOI-10	7-Aug-08	-	21	7 ft W E of P-21	P	4	2	Pass	
R 68	EAOI-10	5-Aug-08	21/22/23	-	76 ft W, EOS	P	3	3	Pass	
R 69	EAOI-10	11-Aug-08	24/25	-	17 ft E, EOS	P	7	2	Pass	DS 17
R 70	EAOI-10	11-Aug-08	1/24	-	146 ft E, EOS	P	7	2	Pass	DS 16
R 71	EAOI-10	11-Aug-08	1/24	-	20 ft W, EOS	P	2	2	Pass	
R 72	EAOI-10	11-Aug-08	24/25/26	-	97 ft E, EOS	B	16	-	Pass	
R 73	EAOI-10	11-Aug-08	25/26	-	8 ft S, EOS	P	8	2	Pass	DS 18
R 74	EAOI-10	11-Aug-08	25/26/27	-	92 ft W, EOS	B	16	-	Pass	
R 75	EAOI-10	11-Aug-08	-	27	33ft E on P-27	B	1	-	Pass	
R 76	EAOI-10	11-Aug-08	-	27	39 ft W on P-27	P	5	4	Pass	
R 77	EAOI-10	11-Aug-08	-	30	5 ft W E of P-30	P	2	2	Pass	
R 78	EAOI-10	11-Aug-08	28/30	-	44 ft W, EOS	P	8	2	Pass	
R 79	EAOI-10	11-Aug-08	28/29/30	-	71 ft E, EOS	B	16	-	Pass	
R 80	EAOI-10	11-Aug-08	28/29	-	6 ft W, EOS	P	7	2	Pass	DS 19
R 81	EAOI-10	11-Aug-08	29/30/31	-	56 ft E, EOS	B	16	-	Pass	
R 82	EAOI-10	11-Aug-08	30/31	-	77 ft E, EOS	P	2	2	Pass	
R 83	EAOI-10	11-Aug-08	31/32	-	21 ft E, EOS	P	8	2	Pass	DS 20
R 84	EAOI-10	11-Aug-08	32/33	-	10 ft W, EOS	P	8	2	Pass	DS 21
R 85	EAOI-10	11-Aug-08	33/34	-	7 ft W, EOS	P	5	4	Pass	
R 86	EAOI-10	11-Aug-08	-	28	70 ft W, center-P-28	P	3	3	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 87	EAOI-10	12-Aug-08	34/35/37	-	30 ft N, EOS	P	3	3	Pass	
R 88	EAOI-10	12-Aug-08	33/34/37	-	26 ft NE, EOS	B	16	-	Pass	
R 89	EAOI-10	12-Aug-08	33/37/38	-	2 ft NE, EOS	B	16	-	Pass	
R 90	EAOI-10	12-Aug-08	32/33/38	-	26 ft NE, EOS	B	16	-	Pass	
R 91	EAOI-10	12-Aug-08	32/38/40	-	4 ft NE, EOS	B	16	-	Pass	
R 92	EAOI-10	12-Aug-08	31/32/40	-	24 ft NE, EOS	B	16	-	Pass	
R 93	EAOI-10	12-Aug-08	31/40/41	-	8 ft NE, EOS	B	16	-	Pass	
R 94	EAOI-10	12-Aug-08	29/31/41	-	20 ft NE, EOS	B	16	-	Pass	
R 95	EAOI-10	12-Aug-08	29/41/42	-	15 ft NE, EOS	P	11	2	Pass	DS 25
R 96	EAOI-10	12-Aug-08	28/29/42	-	7 ft NE, EOS	B	16	-	Pass	
R 97	EAOI-10	12-Aug-08	41/42	-	51 ft S, EOS	P	2	2	Pass	DS 24
R 98	EAOI-10	12-Aug-08	-	41	4 ft N 6 ft of P-42	P	2	2	Pass	
R 99	EAOI-10	12-Aug-08	40/41	-	36 ft S, EOS	P	8	2	Pass	DS 23
R 100	EAOI-10	12-Aug-08	-	38	7 ft S, 12 ft of P-40	P	2	2	Pass	
R 101	EAOI-10	12-Aug-08	-	38	15 ft S, 12 ft of P-40	P	2	2	Pass	
R 102	EAOI-10	12-Aug-08	-	38	22 ft S, 12 ft of P-40	B	1	-	Pass	
R 103	EAOI-10	12-Aug-08	35/36	-	17 ft NE, EOS	P	7	2	Pass	DS 22
R 104	EAOI-10	13-Aug-08	42/43	-	14 ft N, EOS	P	6	3	Pass	
R 105	EAOI-10	13-Aug-08	42/43	-	107 ft N, EOS	P	8	2	Pass	DS 26
R 106	EAOI-10	13-Aug-08	28/42/43	-	146 ft N, EOS	P	4	3	Pass	
R 107	EAOI-10	13-Aug-08	44/45	-	21 ft S, EOS	P	7	2	Pass	DS 27
R 108	EAOI-10	13-Aug-08	44/45/46	-	92 ft S, EOS	B	16	-	Pass	
R 109	EAOI-10	13-Aug-08	45/46/47	-	59 ft N, EOS	B	16	-	Pass	
R 110	EAOI-10	13-Aug-08	47/48	-	54 ft N, EOS	P	6	2	Pass	DS 28
R 111	EAOI-10	13-Aug-08	49/50	-	7 ft W, EOS	P	7	2	Pass	DS 29
R 112	EAOI-10	13-Aug-08	48/49/50	-	77 ft W, EOS	B	16	-	Pass	
R 113	EAOI-10	13-Aug-08	49/50/51	-	22 ft S, EOS	B	16	-	Pass	
R 114	EAOI-10	13-Aug-08	27/28/43	-	13 ft NW, EOS	B	16	-	Pass	
R 115	EAOI-10	13-Aug-08	27/43/44	-	17 ft NW, EOS	B	16	-	Pass	
R 116	EAOI-10	13-Aug-08	25/27/45	-	11 ft NW, EOS	B	16	-	Pass	
R 117	EAOI-10	13-Aug-08	25/44/45	-	21 ft NW, EOS	B	16	-	Pass	
R 118	EAOI-10	13-Aug-08	25/24/45	-	7 ft NW, EOS	B	16	-	Pass	
R 119	EAOI-10	13-Aug-08	24/45/47	-	24 ft NW, EOS	B	16	-	Pass	
R 120	EAOI-10	14-Aug-08	1/52	-	23 ft E, EOS	P	7	2	Pass	DS 30
R 121	EAOI-10	14-Aug-08	55/53	-	22 ft E 1 ft of P-53	P	11	2	Pass	
R 122	EAOI-10	14-Aug-08	-	55	22 ft centeR-of P-55	P	4	4	Pass	
R 123	EAOI-10	14-Aug-08	1/24/47	-	5 ft NW, EOS	P	3	3	Pass	
R 124	EAOI-10	14-Aug-08	1/47/52	-	19 ft W, EOS	P	4	3	Pass	
R 125	EAOI-10	14-Aug-08	47/48/52	-	6 ft SW, EOS	B	16	-	Pass	
R 126	EAOI-10	14-Aug-08	48/52/53	-	24 ft SW, EOS	B	16	-	Pass	
R 127	EAOI-10	14-Aug-08	48/50/53	-	5 ft SW, EOS	B	16	-	Pass	
R 128	EAOI-10	14-Aug-08	50/51/53	-	31 ft SW, EOS	B	16	-	Pass	
R 129	EAOI-10	14-Aug-08	51/55	-	15 ft SW, EOS	P	7	2	Pass	DS 31

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 130	EAOI-10	14-Aug-08	51/54/55	-	30 ft SW, EOS	B	16	-	Pass	
R 131	EAOI-10	14-Aug-08	54/55/56	-	7 ft SW, EOS	B	16	-	Pass	
R 132	EAOI-10	14-Aug-08	54/56/57	-	30 ft SW, EOS	B	16	-	Pass	
R 133	EAOI-10	14-Aug-08	51/54	-	31 ft S, EOS	P	7	2	Pass	DS 33
R 134	EAOI-10	14-Aug-08	53/55	-	29 ft E, EOS	P	8	2	Pass	DS 32
R 135	EAOI-10	14-Aug-08	55/56	-	33 ft E, EOS	P	11	2	Pass	
R 136	West AOI-6	19-Aug-08	63/64/65	-	130 ft W, EOS	B	16	-	Pass	
R 137	West AOI-6	19-Aug-08	-	64	4 ft E - 10 ft N	P	2	2	Pass	
R 138	West AOI-6	19-Aug-08	62/63/64	-	37 ft E, EOS	P	2	2	Pass	
R 139	West AOI-6	19-Aug-08	61/62	-	34 ft E, EOS	P	5	2	Pass	
R 140	West AOI-6	19-Aug-08	59/61	-	31 ft E, EOS	P	5	2	Pass	
R 141	West AOI-6	19-Aug-08	59/60/61	-	64 ft E, EOS	B	16	-	Pass	
R 142	West AOI-6	19-Aug-08	58/59/60	-	66 ft E, EOS	B	16	-	Pass	
R 143	West AOI-6	19-Aug-08	67/68/74	-	22 ft W, EOS	B	16	-	Pass	
R 144	West AOI-6	19-Aug-08	67/69/74	-	22 ft W, EOS	B	16	-	Pass	
R 145	West AOI-6	19-Aug-08	69/74/75	-	6 ft W, EOS	B	16	-	Pass	
R 146	West AOI-6	19-Aug-08	69/70/75	-	21 ft SW, EOS	B	16	-	Pass	
R 147	West AOI-6	19-Aug-08	70/75/76	-	13 ft SW, EOS	B	16	-	Pass	
R 148	West AOI-6	19-Aug-08	70/71/76	-	16 ft SW, EOS	B	16	-	Pass	
R 149	West AOI-6	19-Aug-08	71/76/77	-	17 ft SW, EOS	B	16	-	Pass	
R 150	West AOI-6	19-Aug-08	71/72/77	-	12 ft SW, EOS	B	16	-	Pass	
R 151	West AOI-6	19-Aug-08	72/77	-	8 ft SW, EOS	P	2	2	Pass	
R 152	West AOI-6	19-Aug-08	72/73/77	-	27 ft W, EOS	B	16	-	Pass	
R 153	West AOI-6	19-Aug-08	72/73	-	6 ft N, EOS	P	2	2	Pass	
R 154	West AOI-6	19-Aug-08	-	72	5 ft N, 9 ft W of P-73	P	2	2	Pass	
R 155	West AOI-6	19-Aug-08	58/66	-	37 ft E, EOS	P	7	2	Pass	DS 34
R 156	West AOI-6	19-Aug-08	58/60	-	24 ft E, EOS	P	7	2	Pass	DS 35
R 157	West AOI-11	19-Aug-08	61/62	-	45 ft W, EOS	P	7	2	Pass	DS 36
R 158	West AOI-11	19-Aug-08	64/65	-	11 ft W, EOS	P	7	2	Pass	DS 37
R 159	West AOI-6	19-Aug-08	63/64	-	9 ft S, EOS	P	7	2	Pass	DS 38
R 160	West AOI-6	19-Aug-08	66/74	-	105 ft W, EOS	P	7	2	Pass	DS 39
R 161	West AOI-11	19-Aug-08	67/68	-	6 ft S, EOS	P	7	2	Pass	DS 40
R 162	West AOI-6	19-Aug-08	70/71	-	15 ft S, EOS	P	7	2	Pass	DS 41
R 163	West AOI-11	19-Aug-08	67/68	-	43 ft S, EOS	P	12	11	Pass	
R 164	West AOI-6	19-Aug-08	-	76	10 ft E, 25 ft of P-75	P	3	2	Pass	
R 165	West AOI-6	22-Aug-08	65/78	-	93 ft N, EOS	P	7	2	Pass	DS 42
R 166	West AOI-6	22-Aug-08	78/79/80	-	94 ft S, EOS	P	2	2	Pass	
R 167	West AOI-6	22-Aug-08	79/80	-	48 ft S, EOS	P	7	2	Pass	DS 43
R 168	West AOI-6	22-Aug-08	80/81/82	-	78 ft S, EOS	P	2	2	Pass	
R 169	West AOI-6	22-Aug-08	81/82/83	-	84 ft S, EOS	B	16	-	Pass	
R 170	West AOI-6	22-Aug-08	-	82	8 ft S, 10 ft W of P-80	P	2	2	Pass	
R 171	West AOI-6	22-Aug-08	78/80	-	52 ft N, EOS	P	7	2	Pass	DS 44
R 172	West AOI-11	22-Aug-08	83/84	-	12 ft N, EOS	P	7	2	Pass	DS 45

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 173	West AOI-6	22-Aug-08	84/85	-	109 ft S, EOS	P	7	2	Pass	DS 46
R 174	West AOI-6	22-Aug-08	84/85	-	2 ft S, EOS	P	5	2	Pass	
R 175	West AOI-6	22-Aug-08	86/87/88	-	65 ft S, EOS	B	16	-	Pass	
R 176	West AOI-6	22-Aug-08	86/87	-	16 ft S, EOS	P	7	2	Pass	DS 47
R 177	West AOI-6	22-Aug-08	86/87	-	2 ft S, EOS	P	5	2	Pass	
R 178	West AOI-6	11-Sep-08	78/79	-	12 ft S, EOS	P	3	2	Pass	
R 179	West AOI-6	11-Sep-08	79/80	-	13 ft S, 5 ft W of P-79	P	2	2	Pass	
R 180	EAOI-10	11-Sep-08	23/89	-	56 ft E, EOS	P	6	2	Pass	DS 49
R 181	EAOI-10	11-Sep-08	23/89	-	31 ft E, EOS	P	3	3	Pass	
R 182	EAOI-10	11-Sep-08	89/91/92	-	31 ft E, EOS	P	3	3	Pass	
R 183	EAOI-10	11-Sep-08	91/92	-	10 ft S, EOS	P	7	2	Pass	DS 52
R 184	EAOI-10	11-Sep-08	91/92/93	-	31 ft E, EOS	B	16	-	Pass	
R 185	EAOI-10	11-Sep-08	-	23	30 ft E, 14 ft S from P-89	P	2	2	Pass	
R 186	EAOI-10	11-Sep-08	-	94	7 ft E on P-94, 14 ft S from P-93	P	2	2	Pass	
R 187	EAOI-10	11-Sep-08	94/96	-	25 ft E, EOS	P	7	2	Pass	DS 54
R 188	EAOI-10	11-Sep-08	91/93	-	101 ft E, EOS	P	7	2	Pass	DS 51
R 189	EAOI-10	11-Sep-08	22/23/89	-	248 ft W, EOS	P	2	2	Pass	
R 190	EAOI-10	11-Sep-08	89/91	-	134 ft E, EOS	P	7	2	Pass	DS 50
R 191	EAOI-10	11-Sep-08	91/93	-	171 ft W, EOS	P	10	3	Pass	
R 192	EAOI-10	11-Sep-08	22/89	-	82 ft W, EOS	P	2	2	Pass	
R 193	EAOI-10	11-Sep-08	89/90	-	8 ft S, EOS	P	7	2	Pass	DS 48
R 194	EAOI-10	11-Sep-08	89/90/91	-	83 ft W, EOS	B	16	-	Pass	
R 195	EAOI-10	11-Sep-08	93/94	-	60 ft W, EOS	P	6	2	Pass	DS 53
R 196	EAOI-10	11-Sep-08	94/95	-	34 ft W, EOS	P	7	2	Pass	DS 55
R 197	EAOI-10	11-Sep-08	94/95/96	-	64 ft E, EOS	B	16	-	Pass	
R 198	EAOI-10	11-Sep-08	96/97	-	80 ft E, EOS	P	7	2	Pass	DS 56
R 199	EAOI-10	11-Sep-08	96/97/98	-	135 ft E, EOS	P	2	2	Pass	
R 200	EAOI-10	11-Sep-08	97/98/99	-	135 ft E, EOS	P	2	2	Pass	
R 201	EAOI-10	17-Sep-08	98/99	-	15 ft E, EOS	P	7	2	Pass	DS 58
R 202	EAOI-10	17-Sep-08	95/96/98	-	68 ft E, EOS	B	16	-	Pass	
R 203	EAOI-10	17-Sep-08	95/98	-	60 ft E, EOS	P	7	2	Pass	DS 57
W-204	EAOI-10	17-Sep-08	-	15	16 ft E, EOP	P	28	2	Pass	
W-205	EAOI-10	17-Sep-08	ON R-204	-	22 ft E, 2 ft N from P-16	P	7	2	Pass	DS 59
W-206	EAOI-10	17-Sep-08	-	21	16 ft E, 5 ft S from P-18	P	29	2	Pass	
W-207	EAOI-10	17-Sep-08	21/18	-	5 ft E, BH	P	7	6	Pass	
W-208	West AOI-6	17-Sep-08	78/80/82	-	20 ft N, 19 ft E OP-83	P	43	10	Pass	
W-209	West AOI-6	17-Sep-08	80/81/82	-	60 ft N, 19 ft E OP-83	P	53	10	Pass	
W-210	West AOI-6	17-Sep-08	-	80	60 ft E, 12 ft W OP-81	P	27	4	Pass	
W-211	West AOI-6	17-Sep-08	79/80	-	40 ft E, 9 ft E OP-78	P	25	12	Pass	
W-212	West AOI-6	17-Sep-08	79/80	-	11 ft E, 1 ft E OP-79	P	26	19	Pass	
W-213	West AOI-6	17-Sep-08	-	80	31 ft N, 6 ft W OP-78	P	2	2	Pass	
W-214	West AOI-6	17-Sep-08	-	80	69 ft N, 5 ft W OP-78	P	2	2	Pass	
W-215	West AOI-6	17-Sep-08	-	80	70 ft N, 9 ft W OP-78	P	2	2	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
W-216	West AOI-6	17-Sep-08	-	80	73 ft N, 3 ft W OP-80	P	2	2	Pass	
W-217	West AOI-6	17-Sep-08	-	80	91 ft N, 4 ft W OP-78	P	2	2	Pass	
W-218	West AOI-6	17-Sep-08	65/78	-	73 ft N, 18 ft E OP-79	P	9	2	Pass	
W-219	West AOI-6	17-Sep-08	-	78	76 ft N, 7 ft E OP-79	P	2	2	Pass	
W-220	West AOI-6	17-Sep-08	-	78	83 ft N, 6 ft E OP-80	P	3	3	Pass	
W-221	West AOI-6	17-Sep-08	-	78	92 ft N, 6 ft E OP-80	P	5	4	Pass	
W-222	West AOI-6	17-Sep-08	-	65	11 ft S, CenteR-P-65	P	2	2	Pass	
W-223	West AOI-6	17-Sep-08	-	65	31 ft S, 1 ft E OP-78	P	2	2	Pass	
W-224	West AOI-6	17-Sep-08	65/78	-	53 ft S, 22 ft W OP-65	P	4	4	Pass	
W-225	West AOI-6	17-Sep-08	63/64	-	10 ft N, EOS	P	23	2	Pass	
W-226	West AOI-6	17-Sep-08	61/62	-	5 ft N, EOS	P	8	2	Pass	
W-227	West AOI-6	17-Sep-08	-	60	18 ft N, 11 ft E of P-61	P	2	2	Pass	
W-228	West AOI-6	17-Sep-08	-	74	13 ft N, 7 ft E of P-66	P	3	2	Pass	
W-229	West AOI-6	17-Sep-08	-	74	14 ft N, 10 ft E of P-66	P	2	2	Pass	
W-230	West AOI-6	17-Sep-08	74/77	-	41 ft N, 3 ft W of P-68	P	12	5	Pass	
W-231	West AOI-6	17-Sep-08	-	74	69 ft N, 5 ft W of P-67	P	32	25	Pass	
W-232	West AOI-6	17-Sep-08	-	74	79 ft S, 5 ft W of P-75	P	2	2	Pass	
W-233	West AOI-6	17-Sep-08	-	75	22 ft N, centeR-P-75	P	2	2	Pass	
W-234	West AOI-6	17-Sep-08	-	74	58 ft S centeR-P-74	P	7	2	Pass	DS 60
W-235	West AOI-6	17-Sep-08	R-230	-	43 ft N, 6 ft W OP-68	P	7	2	Pass	DS 61
W-236	West AOI-6	17-Sep-08	82/R-209	-	58 ft N, on R-W209	P	7	2	Pass	DS 62
W-237	West AOI-6	17-Sep-08	-	80	53 ft S, on R-W210	P	7	2	Pass	DS 63
W-238	West AOI-6	17-Sep-08	64/65	-	14 ft S, EOS	P	23	2	Pass	
W-239	West AOI-6	17-Sep-08	-	64	34 ft N, 3 ft W	P	3	2	Pass	
W-240	West AOI-6	17-Sep-08	-	78	9 ft N, 6 ft W	P	2	2	Pass	
W-241	West AOI-6	17-Sep-08	-	78	53 ft N, 6 ft W	P	2	2	Pass	
W-242	West AOI-6	17-Sep-08	-	79	84 ft S, 6 ft W	P	3	2	Pass	
W-243	West AOI-6	17-Sep-08	-	78	7 ft N	P	2	2	Pass	
W-244	West AOI-6	18-Sep-08	-	60	54 ft N, 3 ft E	P	2	2	Pass	
R 245	AOI-5	22-Sep-08	100/101/102	-	1+50	P	3	2	Pass	
R 246	AOI-5	22-Sep-08	101/102/103	-	1+45	P	2	2	Pass	
R 247	AOI-5	22-Sep-08	102/103/104	-	2+67	P	2	2	Pass	
R 248	AOI-5	22-Sep-08	103/104/105	-	2+89	P	3	2	Pass	
R 249	AOI-5	22-Sep-08	-	104	2+90/R9	P	2	2	Pass	
R 250	AOI-5	22-Sep-08	-	104	2+83/R9	P	2	2	Pass	
R 251	AOI-5	22-Sep-08	-	104	2+75/R9	P	2	2	Pass	
R 252	AOI-5	22-Sep-08	-	106	0+06/L10	P	2	2	Pass	
R 253	AOI-5	22-Sep-08	100/102	-	2+50	P	7	2	Pass	DS 64
R 254	AOI-5	22-Sep-08	103/105	-	1+00	P	7	2	Pass	DS 65
R 255	AOI-5	22-Sep-08	106/107	-	0+50	P	8	2	Pass	DS 66
R 256	AOI-5	22-Sep-08	110/111	-	0+25	P	6	2	Pass	DS 67
R 257	AOI-5	22-Sep-08	101/103	-	0+75	P	6	2	Pass	DS 68
R 258	AOI-5	22-Sep-08	104/105	-	3+25	P	8	2	Pass	DS 69

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
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EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 259	AOI-5	22-Sep-08	109/110	-	0+50	P	8	2	Pass	DS 70
R 260	AOI-5	22-Sep-08	114/115	-	0+24	P	11	2	Pass	
R 261	AOI-5	22-Sep-08	119/120	-	0+23	B	6	5	Pass	
R 262	AOI-5	22-Sep-08	120/121	-	0+00/0+03	P	4	2	Pass	
R 263	AOI-5	22-Sep-08	121/122	-	0+12	P	3	2	Pass	
R 264	AOI-5	22-Sep-08	123/124	-	0+22	B	13	2	Pass	
R 265	AOI-5	22-Sep-08	126/127	-	0+71	P	2	2	Pass	
R 266	AOI-5	22-Sep-08	105/106/128	-	1+56	P	2	2	Pass	
R 267	AOI-5	22-Sep-08	106/119/120/128	-	0+00/0+04	P	7	2	Pass	
R 268	AOI-5	22-Sep-08	122/123/129	-	0+77	P	2	2	Pass	
R 269	AOI-5	22-Sep-08	116/117	-	0+75	P	7	2	Pass	DS 71
R 270	AOI-5	22-Sep-08	107/118	-	0+30	P	5	2	Pass	DS 72
R 271	AOI-5	22-Sep-08	123/124	-	1+00	P	7	2	Pass	DS 73
R 272	AOI-5	22-Sep-08	128/129	-	1+25	P	8	2	Pass	DS 74
R 273	AOI-5	22-Sep-08	120/128	-	0+15	P	7	2	Pass	DS 75
R 274	AOI-5	22-Sep-08	117/118	-	0+75	P	6	2	Pass	DS 76
R 275	AOI-5	22-Sep-08	121/122	-	1+00	P	6	2	Pass	DS 77
R 276	AOI-5	22-Sep-08	125/126	-	0+50	P	6	2	Pass	DS 78
R 277	AOI-5	22-Sep-08	130/131	-	1+25	P	5	2	Pass	DS 79
R 278	AOI-5	22-Sep-08	106/107/119	-	0+15	P	2	2	Pass	
R 279	AOI-5	22-Sep-08	107/118/119	-	0+22	P	2	2	Pass	
R 280	AOI-5	22-Sep-08	107/108/118	-	0+45	P	2	2	Pass	
R 281	AOI-5	22-Sep-08	108/117/118	-	0+59	P	2	2	Pass	
R 282	AOI-5	22-Sep-08	108/109/117	-	0+74	P	2	2	Pass	
R 283	AOI-5	22-Sep-08	109/116/117	-	0+96	P	2	2	Pass	
R 284	AOI-5	22-Sep-08	109/110/116	-	1+04	P	2	2	Pass	
R 285	AOI-5	22-Sep-08	110/111/115/116	-	1+33	P	2	2	Pass	
R 286	AOI-5	22-Sep-08	111/112/115	-	1+63	P	2	2	Pass	
R 287	AOI-5	22-Sep-08	112/114/115	-	1+70	P	2	2	Pass	
R 288	AOI-5	22-Sep-08	112/113/114	-	1+93	P	2	2	Pass	
R 289	AOI-5	22-Sep-08	123/129/130	-	0+92	P	1	1	Pass	
R 290	AOI-5	22-Sep-08	123/124/130	-	1+04	P	1	1	Pass	
R 291	AOI-5	22-Sep-08	125/126/131	-	1+56	P	1	1	Pass	
R 292	AOI-5	22-Sep-08	124/125/130/131	-	1+30/1+34	P	8	2	Pass	
R 293	AOI-5	22-Sep-08	121/122/128/129	-	0+46/0+51	P	7	2	Pass	
R 294	AOI-5	22-Sep-08	120/121/128	-	0+27	P	2	2	Pass	
R 295	EAOI-10	22-Sep-08	TIE-IN 1/DS 80	-	0+70	P	8	2	Pass	DS 80
R 296	EAOI-10	22-Sep-08	89/91 TIE-IN 1/TIE-IN 2	-	1+12	P	3	3	Pass	
R 297	EAOI-10	22-Sep-08	15/16 TIE-IN 1/TIE-IN 2	-	2+23/2+27	P	10	2	Pass	
R 298	EAOI-10	22-Sep-08	5/8 TIE-IN 1/TIE-IN 2	-	3+28	P	8	2	Pass	
R 299	EAOI-10	22-Sep-08	TIE-IN 1/TIE-IN 2	6	3+47	P	3	3	Pass	
R 300	EAOI-10	22-Sep-08	2/3 TIE-IN 1/TIE-IN 2	-	4+04	P	5	2	Pass	
R 301	EAOI-10	22-Sep-08	TIE-IN 2/DS 81	4	3+77	P	8	2	Pass	DS 81

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 302	AOI-5	24-Sep-08	-	132	0+06/R7	P	1	1	Pass	
R 303	AOI-5	23-Sep-08	132/133/134	-	1+45	P	2	2	Pass	
R 304	AOI-5	23-Sep-08	133/134/135	-	1+47	P	2	2	Pass	
R 305	AOI-5	23-Sep-08	-	134	1+50/R15	P	2	2	Pass	
R 306	AOI-5	23-Sep-08	-	134	1+56/R15	P	2	2	Pass	
R 307	AOI-5	23-Sep-08	-	134	1+57/R10	P	2	2	Pass	
R 308	AOI-5	23-Sep-08	-	134	1+64/R10	P	2	2	Pass	
R 309	AOI-5	23-Sep-08	-	134	1+63/R15	P	2	2	Pass	
R 310	AOI-5	23-Sep-08	134/135/136	-	2+89	P	1	1	Pass	
R 311	AOI-5	23-Sep-08	135/136/137	-	2+67	P	1	1	Pass	
R 312	AOI-5	23-Sep-08	138/139/140	-	1+59	P	2	2	Pass	
R 313	AOI-5	23-Sep-08	-	140	1+63/L1	P	2	2	Pass	
R 314	AOI-5	24-Sep-08	-	140	1+81/L20	B	7	3	Pass	
R 315	AOI-5	24-Sep-08	-	141	1+35/L20	B	5	5	Pass	
R 316	AOI-5	23-Sep-08	139/140/141	-	1+61	P	2	2	Pass	
R 317	AOI-5	23-Sep-08	132/134	-	2+00	P	8	2	Pass	DS 84
R 318	AOI-5	23-Sep-08	133/135	-	1+00	P	8	2	Pass	DS 85
R 319	AOI-5	23-Sep-08	134/136	-	3+00	P	8	2	Pass	DS 86
R 320	AOI-5	23-Sep-08	140/141	-	2+50	P	7	2	Pass	DS 88
R 321	AOI-5	23-Sep-08	139/140	-	0+10	P	8	2	Pass	DS 87
R 322	AOI-5	24-Sep-08	100/132	-	1+25	P	7	2	Pass	DS 82
R 323	AOI-5	23-Sep-08	135/137	-	0+50	P	8	2	Pass	DS 83
R 324	AOI-5	23-Sep-08	-	138	0+06/R12	P	1	1	Pass	
R 325	AOI-5	23-Sep-08	138/139	-	1+35	P	8	2	Pass	DS 89
R 326	AOI-5	23-Sep-08	138/140	-	2+25	P	8	2	Pass	DS 90
R 327	AOI-5	23-Sep-08	-	134	1+50/R12	P	2	2	Pass	
R 328	AOI-5	24-Sep-08	-	124	0+10/R4	P	1	1	Pass	
R 329	AOI-5	26-Sep-08	-	142	0+08/L8	P	1	1	Pass	
R 330	AOI-5	26-Sep-08	141/142	-	0+04	P	1	1	Pass	
R 331	AOI-5	26-Sep-08	-	142	0+15/L6	P	1	1	Pass	
R 332	AOI-5	26-Sep-08	142/143/144	-	1+62	P	2	2	Pass	
R 333	AOI-5	26-Sep-08	144/143/145	-	1+63	P	2	2	Pass	
R 334	AOI-5	26-Sep-08	143/145	-	0+50	P	6	2	Pass	DS 92
R 335	AOI-5	26-Sep-08	141/142	-	2+25	P	6	2	Pass	DS 91
R 336	AOI-5	26-Sep-08	142/144	-	1+68	P	6	2	Pass	DS 93
R 337	AOI-5	26-Sep-08	145/146	-	1+05	P	6	2	Pass	DS 94
R 338	AOI-5	26-Sep-08	144/145/148	-	3+19	P	3	2	Pass	
R 339	AOI-5	26-Sep-08	145/146/148	-	3+21	P	2	2	Pass	
R 340	AOI-5	26-Sep-08	141/142/147	-	3+18	P	3	2	Pass	
R 341	AOI-5	26-Sep-08	140/141/147	-	3+16	P	3	2	Pass	
R 342	EAOI-10	27-Sep-08	89/91 TIE-IN 4/TIE-IN 3	-	1+13	P	4	2	Pass	
R 343	EAOI-10	27-Sep-08	TIE-IN 3/TIE-IN 4	-	2+18/2+32	P	13	2	Pass	
R 344	EAOI-10	27-Sep-08	TIE-IN 3/TIE-IN 4	-	2+49	P	3	2	Pass	

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CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 345	EAOI-10	27-Sep-08	TIE-IN 3/TIE-IN 4	-	3+27	P	5	2	Pass	
R 346	EAOI-10	27-Sep-08	TIE-IN 3/TIE-IN 4	-	3+85	P	3	2	Pass	
R 347	EAOI-10	27-Sep-08	TIE-IN 3/TIE-IN 4	-	4+02	P	2	2	Pass	
R 348	EAOI-10	29-Sep-08	TIE IN 4	-	3+10	P	6	2	Pass	DS 95
R 349	EAOI-10	29-Sep-08	TIE IN 4	96	0+25	P	7	2	Pass	DS 96
R 350	EAOI-10	29-Sep-08	TIE IN 3/R-343	-	3+22	P	5	2	Pass	DS 97
R 351	AOI-5	1-Oct-08	149/150/152	-	1+93	P	3	2	Pass	
R 352	AOI-5	1-Oct-08	151/152/153	-	0+73	P	2	2	Pass	
R 353	AOI-5	1-Oct-08	150/151/152	-	0+64	P	2	2	Pass	
R 354	AOI-5	30-Sep-08	P37/149/154	-	0+26	P	2	2	Pass	
R 355	AOI-5	1-Oct-08	-	P36	3+57/L2	P	2	2	Pass	Vault Tie in
R 356	AOI-5	1-Oct-08	-	P36	3+48/L5	P	2	2	Pass	Vault Tie in
R 357	AOI-5	1-Oct-08	-	P36	3+40/L8	P	1	1	Pass	Vault Tie in
R 358	AOI-5	1-Oct-08	-	P34	3+45/L4	P	1	1	Pass	Vault Tie in
R 359	AOI-5	1-Oct-08	P34/P35	-	3+30/L5	P	1	1	Pass	Vault Tie in
R 360	AOI-5	1-Oct-08	-	P36	2+25/L2	P	2	2	Pass	Vault Tie in
R 361	AOI-5	1-Oct-08	-	P37	1+65/L3	P	2	2	Pass	Vault Tie in
R 362	AOI-5	1-Oct-08	-	P37	0+60/L4	P	1	1	Pass	Vault Tie in
R 363	AOI-5	1-Oct-08	149/150	-	1+50	P	6	2	Pass	DS 99
R 364	AOI-5	1-Oct-08	151/153	-	0+09	P	5	2	Pass	DS 100
R 365	AOI-5	1-Oct-08	P36/151/153	-	2+09	P	4	2	Pass	Vault Tie in
R 366	AOI-5	1-Oct-08	P34/149	-	3+41	P	3	2	Pass	Vault Tie in
R 367	AOI-5	1-Oct-08	P34/P35/149	-	3+34	P	2	2	Pass	Vault Tie in
R 368	AOI-5	1-Oct-08	P35/152/153	-	2+76	P	2	2	Pass	Vault Tie in
R 369	AOI-5	1-Oct-08	P35/P36/153	-	2+30	P	2	2	Pass	Vault Tie in
R 370	AOI-5	1-Oct-08	P36/P37/151	-	1+69	P	2	2	Pass	Vault Tie in
R 371	AOI-5	1-Oct-08	P37/150/151	-	1+32	P	1	1	Pass	Vault Tie in
R 372	AOI-5	30-Sep-08	P37/154	-	0+00/0+10	B	10	-	Pass	Vault Tie in
R 373	AOI-5	30-Sep-08	P23/154	-	0+00/0+33	B	33	-	Pass	Vault Tie in
R 374	AOI-5	1-Oct-08	P37/149/150	-	0+45	P	2	2	Pass	Vault Tie in
R 375	AOI-5	1-Oct-08	P15/P35/P5/P36	-	2+30	P	2	2	Pass	Vault Tie in
R 376	AOI-5	1-Oct-08	P35/P36	-	0+00/0+09	B	9	-	Pass	Vault Tie in
R 377	AOI-5	1-Oct-08	P34/P35	-	0+00/0+09	B	9	-	Pass	Vault Tie in
R 378	AOI-5	1-Oct-08	P35/149/152	-	3+26	P	2	2	Pass	Vault Tie in
R 379	AOI-5	1-Oct-08	-	P34	0+00/0+09	B	9	-	Pass	Vault Tie in
R 380	AOI-5	1-Oct-08	146/149	-	1+25	P	5	2	Pass	DS 98
R 381	AOI-5	1-Oct-08	152/153	-	1+00	P	7	2	Pass	DS 101
R 382	AOI-5	1-Oct-08	P37/150	-	0+60	P	5	2	Pass	DS 102, Vault Tie in
R 383	AOI-5	1-Oct-08	P35/152	-	3+00	P	7	2	Pass	DS 103, Vault Tie in
R 384	AOI-5	1-Oct-08	-	P36	1+69/L10	P	1	1	Pass	Vault Tie in
R 385	AOI-5	1-Oct-08	-	P34	3+39/L9	P	1	1	Pass	Vault Tie in
R 386	AOI-5	1-Oct-08	P34/149	-	3+40	P	2	2	Pass	Vault Tie in
R 387	AOI-5	1-Oct-08	P36/P37	-	0+00/0+09	B	9	-	Pass	Vault Tie in

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Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 388	EAOI-10	6-Oct-08	-	'6/8/10/12/:	0+00/1+16	C	116	1	Pass	
R 389	EAOI-10	6-Oct-08	-	8	0+04/R10	B	5	5	Pass	
R 390	EAOI-10	6-Oct-08	12/R388	-	1+05	P	5	2	Pass	DS 104
R 391	West AOI-11	10-Nov-08	193/194	-	0+67	P	5	2	Pass	DS 105
R 392	West AOI-11	10-Nov-08	194/195	-	0+55	P	5	2	Pass	DS 106
R 393	West AOI-11	10-Nov-08	193/199	-	1+14	P	5	2	Pass	DS 107
R 394	West AOI-6	10-Nov-08	68/189	-	0+81	P	4	2	Pass	DS 108
R 395	AOI-8	17-Nov-08	203/205	-	1+71	P	5	2	Pass	DS 109
R 396	AOI-8	17-Nov-08	207/209	-	0+83	P	5	2	Pass	DS 110
R 397	AOI-8	17-Nov-08	206/208	-	2+30	P	5	2	Pass	DS 111
R 398	AOI-8	17-Nov-08	206/207	-	0+16	P	5	2	Pass	DS 112
R 399	AOI-8	17-Nov-08	200/202	-	0+85	P	5	2	Pass	DS 113
R 400	AOI-8	17-Nov-08	205/206	-	2+57	P	5	2	Pass	DS 114
R 401	West AOI-11	17-Nov-08	199/213	-	1+63	P	5	2	Pass	DS 115
R 402	AOI-8	17-Nov-08	209/210	-	1+81	P	7	2	Pass	DS 116
R 403	AOI-8	17-Nov-08	210/211	-	1+61	P	5	2	Pass	DS 117
R 404	AOI-8	17-Nov-08	213/214	-	0+19	P	5	2	Pass	DS 118
R 405	West AOI-6	10-Nov-08	68/189	-	0+24/0+31	P	8	2	Pass	
R 406	AOI-8	10-Nov-08	196/197/198	-	1+00	P	3	2	Pass	
R 407	AOI-8	10-Nov-08	196/197/199	-	0+35	P	2	2	Pass	
R 408	AOI-8	10-Nov-08	197/198/199	-	0+24	P	2	2	Pass	
R 409	West AOI-11	10-Nov-08	195/196/199	-	0+59	P	2	2	Pass	
R 410	West AOI-11	10-Nov-08	194/195/199	-	0+81	P	2	2	Pass	
R 411	West AOI-11	10-Nov-08	193/194/199	-	1+04	P	2	2	Pass	
R 412	West AOI-11	10-Nov-08	191/192	-	1+11	B	8	4	Pass	
R 413	West AOI-11	10-Nov-08	190/191/191	-	1+70	P	2	2	Pass	
R 414	West AOI-11	17-Nov-08	74/190/191	-	1+80	P	4	4	Pass	
R 415	West AOI-11	10-Nov-08	74/189/190	-	1+91	P	2	2	Pass	
R 416	West AOI-11	10-Nov-08	W230/74/189	-	2+12	P	3	2	Pass	
R 417	West AOI-11	10-Nov-08	W230/68/189	-	1+04	B	6	-	Pass	
R 418	West AOI-11	10-Nov-08	189/190	-	0+38	P	5	2	Pass	
R 419	West AOI-11	10-Nov-08	189/190	-	0+30	P	2	2	Pass	
R 420	West AOI-11	10-Nov-08	189/190	-	0+25	P	5	2	Pass	
R 421	West AOI-11	10-Nov-08	-	191	0+30	P	15	5	Pass	
R 422	West AOI-11	10-Nov-08	190/191	-	0+05	B	5	4	Pass	
R 423	West AOI-11	10-Nov-08	189/190	-	0+08	P	12	2	Pass	
R 424	AOI-8	10-Nov-08	192/193/199	-	1+26	P	2	2	Pass	
R 425	AOI-8	10-Nov-08	-	202	0+50/R6	B	11	6	Pass	
R 426	AOI-8	10-Nov-08	200/201/202	-	1+70	P	2	2	Pass	
R 427	AOI-8	10-Nov-08	202/203/204	-	1+97	P	2	2	Pass	
R 428	AOI-8	10-Nov-08	203/204/205	-	1+93	P	2	2	Pass	
R 429	AOI-8	17-Nov-08	-	208	2+00/R18	B	11	11	Pass	
R 430	AOI-8	10-Nov-08	-	209	0+08/L6	B	5	5	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 431	AOI-8	10-Nov-08	198/200	-	0+35	P	3	2	Pass	
R 432	AOI-8	10-Nov-08	195/196/198	-	0+43	P	2	2	Pass	
R 433	AOI-8	10-Nov-08	195/198	-	0+10	P	2	2	Pass	
R 434	AOI-8	10-Nov-08	-	209	1+50/R16	B	4	4	Pass	
R 435	AOI-8	17-Nov-08	207/208/209	-	1+50	P	2	2	Pass	
R 436	AOI-8	17-Nov-08	206/207/208	-	1+56	P	2	2	Pass	
R 437	AOI-8	17-Nov-08	205/206	-	2+99	P	2	2	Pass	
R 438	AOI-8	10-Nov-08	198/199/200	-	1+34/1+38	P	5	2	Pass	
R 439	AOI-8	17-Nov-08	209/210	-	2+60	P	2	2	Pass	
R 440	AOI-8	17-Nov-08	210/211/212	-	1+85	P	2	2	Pass	
R 441	AOI-8	17-Nov-08	210/212	-	2+60	P	2	2	Pass	
R 442	AOI-8	17-Nov-08	199/200/201/213	-	1+57	B	15	15	Pass	
R 443	AOI-8	10-Nov-08	-	202	0+08/R10	P	2	2	Pass	
R 444	West AOI-11	17-Nov-08	-	217	1+27	P	10	3	Pass	
R 445	West AOI-11	17-Nov-08	214/215	-	0+59/0+67	P	6	2	Pass	
R 446	West AOI-6	17-Nov-08	215/216/217	-	0+68	P	2	2	Pass	
R 447	West AOI-6	17-Nov-08	219/220	-	0+58/0+64	B	10	8	Pass	
R 448	West AOI-6	17-Nov-08	219/220	-	0+42	P	4	3	Pass	
R 449	West AOI-6	17-Nov-08	218/219	-	0+54	P	3	3	Pass	
R 450	West AOI-11	17-Nov-08	214/215	-	0+53/0+59	P	6	2	Pass	
R 451	West AOI-11	17-Nov-08	214/215/216	-	0+67	P	2	2	Pass	
R 452	AOI-8	17-Nov-08	211/223/224	-	0+45	P	2	2	Pass	
R 453	AOI-8	17-Nov-08	211/223	-	0+41	P	3	2	Pass	
R 454	AOI-8	17-Nov-08	211/222/223	-	0+23	P	2	2	Pass	
R 455	AOI-8	17-Nov-08	211/212/222	-	0+18	P	2	2	Pass	
R 456	AOI-8	17-Nov-08	212/221/222	-	0+00	P	3	2	Pass	
R 457	AOI-8	17-Nov-08	212/221/225	-	0+23	P	2	2	Pass	
R 458	AOI-8	17-Nov-08	62/64/218/219	-	1+35	P	4	4	Pass	
R 459	West AOI-11	17-Nov-08	58/60/214/216	-	0+67	P	3	3	Pass	
R 460	West AOI-11	17-Nov-08	58/66/213/214	-	0+44	P	1	1	Pass	
R 461	West AOI-11	17-Nov-08	74/66/199/213	-	0+23	P	2	2	Pass	
R 462	West AOI-11	18-Nov-08	58/214	-	0+60	P	6	2	Pass	DS 123
R 463	West AOI-11	18-Nov-08	64/219	-	1+48	P	6	2	Pass	DS 122
R 464	AOI-8	22-Nov-08	-	213	0+12/L6	P	2	2	Pass	
R 465	AOI-8	17-Nov-08	216/217	-	1+72	P	5	2	Pass	DS 119
R 466	AOI-8	17-Nov-08	217/218	-	0+98	P	5	2	Pass	DS 120
R 467	West AOI-11	17-Nov-08	214/215	-	0+38	P	5	2	Pass	DS 121
R 468	AOI-8	22-Nov-08	-	213	0+05/L8	P	3	2	Pass	
R 469	AOI-8	20-Nov-08	226/227	-	0+42	P	12	3	Pass	
R 470	AOI-8	20-Nov-08	226/227/220	-	0+66	B	6	4	Pass	
R 471	AOI-8	20-Nov-08	227/228	-	0+48	P	3	2	Pass	
R 472	AOI-8	20-Nov-08	227/228	-	0+94/0+97	P	5	2	Pass	
R 473	East AOI-11	20-Nov-08	231/232	-	0+74	P	10	2	Pass	

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GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 474	AOI-8	20-Nov-08	220/227	-	0+77	P	5	2	Pass	DS 124
R 475	AOI-8	20-Nov-08	229/230	-	0+50	P	5	2	Pass	DS 125
R 476	AOI-8	20-Nov-08	83/228	-	2+32	P	6	2	Pass	DS 126
R 477	West AOI-11	20-Nov-08	86/88/231/232	-	3+16	P	2	2	Pass	
R 478	AOI-8	20-Nov-08	85/86/230/231	-	2+94	P	2	2	Pass	
R 479	AOI-8	20-Nov-08	84/85/229/230	-	2+71	P	3	2	Pass	
R 480	AOI-8	20-Nov-08	83/84/228/229	-	2+49	P	2	2	Pass	
R 481	AOI-8	20-Nov-08	82/83/227/228	-	2+27	P	2	2	Pass	
R 482	AOI-8	20-Nov-08	W208/82/227	-	2+08	P	2	2	Pass	
R 483	AOI-8	20-Nov-08	W208/226/227	-	2+04	P	2	2	Pass	
R 484	AOI-8	20-Nov-08	W208/78/226	-	1+98	P	2	2	Pass	
R 485	AOI-8	20-Nov-08	65/78/220/226	-	1+81	P	8	4	Pass	
R 486	AOI-8	20-Nov-08	65/220	-	1+73/1+81	B	8	-	Pass	
R 487	West AOI-11	22-Nov-08	88/232/233	-	1+18	P	2	2	Pass	
R 488	East AOI-11	22-Nov-08	234/235	-	0+36	P	4	2	Pass	
R 489	East AOI-11	22-Nov-08	-	237	0+38/R5	P	5	2	Pass	
R 490	East AOI-11	22-Nov-08	-	236	0+55/L4	P	7	4	Pass	
R 491	East AOI-11	22-Nov-08	-	238	0+01/R3	P	2	2	Pass	
R 492	East AOI-11	22-Nov-08	-	238	0+09/R3	P	2	2	Pass	
R 493	East AOI-11	22-Nov-08	-	238	0+17/R3	P	2	2	Pass	
R 494	East AOI-11	22-Nov-08	237/238	238	0+24/R3	P	2	2	Pass	
R 495	West AOI-11	22-Nov-08	235/236	-	1+32	P	5	2	Pass	DS 127
R 496	West AOI-11	22-Nov-08	236/237	-	0+73	P	5	2	Pass	DS 128
R 497	West AOI-11	22-Nov-08	237/238	-	0+30	P	5	2	Pass	DS 129
R 498	West AOI-6	22-Nov-08	240/241	241	0+10 NORTH	P	2	2	Pass	
R 499	West AOI-6	22-Nov-08	87/88/239	-	0+68	P	2	2	Pass	
R 500	West AOI-6	22-Nov-08	239/240/241	-	0+34	P	2	2	Pass	
R 501	West AOI-6	22-Nov-08	240/241/242	-	0+67	P	2	2	Pass	
R 502	West AOI-6	22-Nov-08	241/242	-	0+56	P	5	2	Pass	DS 130
R 503	East AOI-11	22-Nov-08	88/233/239	-	0+00	P	4	2	Pass	
R 504	East AOI-11	22-Nov-08	233/234/239/240	-	0+21	P	2	2	Pass	
R 505	West AOI-6	22-Nov-08	234/235/240/242	-	0+46	P	5	2	Pass	
R 506	West AOI-6	22-Nov-08	87/239	-	0+32	P	4	2	Pass	
R 507	AOI-8	26-Nov-08	246/247	246	0+21/R4	P	5	4	Pass	
R 508	AOI-8	26-Nov-08	246/247	247	0+39/L10	P	2	2	Pass	
R 509	AOI-8	26-Nov-08	246/247	247	0+46/L3	P	2	2	Pass	
R 510	AOI-8	26-Nov-08	246/247	247	0+46/L10	P	2	2	Pass	
R 511	AOI-8	26-Nov-08	246/247	247	0+46/L13	P	2	2	Pass	
R 512	AOI-8	26-Nov-08	246/247	247	0+30/L10	P	2	2	Pass	
R 513	AOI-8	26-Nov-08	205/249	249	0+32/R4	B	6	6	Pass	
R 514	AOI-8	26-Nov-08	249/250	249	0+19	B	10	10	Pass	
R 515	AOI-8	26-Nov-08	249/250	249	0+09	B	8	5	Pass	
R 516	AOI-8	26-Nov-08	248/250	250	0+04/L11	B	3	2	Pass	

TABLE 3.3.6

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CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 517	AOI-8	26-Nov-08	248/249/250	-	0+27	P	5	2	Pass	
R 518	AOI-8	26-Nov-08	204/205/248/249	-	0+53	P	3	2	Pass	
R 519	AOI-8	26-Nov-08	204/247/248	-	0+53	P	2	2	Pass	
R 520	AOI-8	26-Nov-08	202/204/246/247	-	0+48	P	3	2	Pass	
R 521	AOI-8	26-Nov-08	202/245/246	-	0+45	P	2	2	Pass	
R 522	AOI-8	26-Nov-08	201/202/244/245	-	0+33	P	3	2	Pass	
R 523	AOI-8	26-Nov-08	201/243/244	-	0+29	P	2	2	Pass	
R 524	AOI-8	26-Nov-08	201/214/243	-	0+36	P	3	2	Pass	
R 525	West AOI-11	25-Nov-08	232/233	-	0+01	P	2	2	Pass	
R 526	AOI-8	22-Nov-08	213/214/201	-	0+00	P	2	2	Pass	
R 527	AOI-8	26-Nov-08	201/213	-	0+45	P	5	2	Pass	DS 131
R 528	AOI-8	26-Nov-08	243/244	-	0+22	P	5	2	Pass	DS 132
R 529	AOI-8	26-Nov-08	247/248	-	0+12	P	5	2	Pass	DS 133
R 530	East AOI-11	2-Dec-08	-	239	0+03/R1	P	2	2	Pass	
R 531	AOI-8	26-Nov-08	249/250	-	0+06/0+16	B	10	-	Pass	
R 532	AOI-8	5-Dec-08	224/252	-	0+10	P	5	2	Pass	
R 533	AOI-8	5-Dec-08	253/254	-	0+29/0+42	B	15	15	Pass	
R 534	AOI-8	5-Dec-08	255/257	-	0+11/0+22	P	11	2	Pass	
R 535	AOI-8	5-Dec-08	211/255	-	0+00/0+11	B	11	-	Pass	
R 536	AOI-8	5-Dec-08	-	255	0+06/L7	P	2	2	Pass	
R 537	AOI-8	5-Dec-08	255/257	-	0+22/0+30	B	13	3	Pass	
R 538	AOI-8	5-Dec-08	254/255/256	-	0+23	P	3	2	Pass	
R 539	AOI-8	5-Dec-08	211/224/252	-	0+66	P	3	3	Pass	
R 540	AOI-8	5-Dec-08	211/252/253	-	0+88	P	2	2	Pass	
R 541	AOI-8	5-Dec-08	211/253/254	-	1+10	P	2	2	Pass	
R 542	AOI-8	5-Dec-08	211/254/255	-	1+33	P	2	2	Pass	
R 543	AOI-8	5-Dec-08	211/255	-	1+54	P	4	2	Pass	
R 544	AOI-8	5-Dec-08	212/225	-	0+28/0+36	P	9	2	Pass	
R 545	AOI-8	5-Dec-08	225/258	-	0+13/0+21	B	10	8	Pass	
R 546	AOI-8	5-Dec-08	225/258	-	0+08	P	6	2	Pass	DS 134
R 547	AOI-8	5-Dec-08	211/257	-	0+15	P	5	2	Pass	DS 135
R 548	AOI-8	5-Dec-08	211/253	-	0+95	P	5	2	Pass	DS 136
R 549	AOI-8	5-Dec-08	255/256	-	0+00	P	3	2	Pass	
R 550	P201	9-Apr-10	262/263/265	-	0 + 36	P	3.5	2	Pass	
R 551	P201	9-Apr-10	262/265/266	-	0+60	P	2.5	1.5	Pass	
R 552	P201	9-Apr-10	262/266/267	-	0+84	P	2	2.5	Pass	
R 553	P201	9-Apr-10	262/267/268	-	1+08	P	2	2	Pass	
R 554	P201	9-Apr-10	262/268/269	-	1+35/EOS	P	3	1	Pass	
R 555	P201	9-Apr-10	261/262/269	-	1+44	P	2	2	Pass	
R 556	P201	9-Apr-10	-	269	1+38/R	P	1	1	Pass	
R 557	P201	9-Apr-10	269/270	-	0+81	P	2	2.5	Pass	
R 558	P201	9-Apr-10	263/265	-	0+40	P	4	2	Pass	
R 559	P201	9-Apr-10	263/264/265	-	0+35	P	2.5	2.5	Pass	

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EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 560	P201	9-Apr-10	263/264	-	0+9	P	2	2.5	Pass	
R 561	P201	9-Apr-10	267/268	-	0+18	B	4.5	4.5	Pass	
R 562	P201	9-Apr-10	268/269	-	0+6	P	2.5	1	Pass	
R 563	P201	9-Apr-10	-	276	0+20 R9'	B	6	6	Pass	
R 564	P201	9-Apr-10	275/276/278	276	0+20	P	6	8.5	Pass	
R 565	P201	9-Apr-10	276/278	-	0+10	P	2.5	2.5	Pass	
R 566	P201	9-Apr-10	-	278	0+12 R3'	B	7	7	Pass	
R 567	P201	9-Apr-10	276/277	-	0+12	P	3	1	Pass	
R 568	P201	9-Apr-10	271/272	-	0+7	P	1.5	1.5	Pass	
R 569	P201	9-Apr-10	259/260	-	0+95	P	5	2	Pass	DS 137
R 570	P201	9-Apr-10	260/261	-	0+43	P	5	2	Pass	DS 138
R 571	P201	9-Apr-10	263/265	-	0+46	P	5	2	Pass	DS 139
R 572	P201	9-Apr-10	266/267	-	0+56	P	5	1.5	Pass	DS 140
R 573	P201	9-Apr-10	268/269	-	1+07	P	5	2	Pass	DS 141
R 574	P201	9-Apr-10	269/270	-	0+41	P	5	2	Pass	DS 142
R 575	P201	9-Apr-10	273/274	-	0+49	P	5	2	Pass	DS 143
R 576	P201	7-Apr-10	276/277	-	0+23	P	6	2.5	Pass	DS 144
R 577	P201	9-Apr-10	-	271	0+80 R5'	P	1	1	Pass	
R 578	P201	9-Apr-10	-	281	0+12 R13'	B	8	7	Pass	
R 579	P201	9-Apr-10	-	282	0+22 R5'	B	5	5	Pass	
R 580	P201	9-Apr-10	-	282	0+21 L8'	B	5	4.5	Pass	
R 581	P201	9-Apr-10	282/283	-	0+61	P	5.5	2	Pass	DS 145
R 582	P201	9-Apr-10	285/286	-	30 ft N, EOS	P	5.5	2	Pass	DS 146
R 583	P201	9-Apr-10	284/285	-	39 ft S, EOS	P	2.5	2	Pass	
R 584	P201	9-Apr-10	284/285	-	19 ft S, EOS	P	3.5	2	Pass	
R 585	P201	9-Apr-10	-	284	0+24	P	2	2	Pass	
R 586	P201	9-Apr-10	282/283/285/286	-	0+82	P	7	4.5	Pass	26.5 ft NW, EOS
R 587	P201	9-Apr-10	280/284	-	-	P	2.5	2.5	Pass	13 ft N, EOS
R 588	P201	9-Apr-10	274/276/277/285/286	-	0+85	P	8.5	5.5	Pass	10 ft E, EOS
R 589	P201	9-Apr-10	274/275/276	-	0+55	B	16	-	Pass	22 ft E, EOS
R 590	P201	9-Apr-10	273/274/286	-	0+82	B	16	-	Pass	15 ft E, EOS
R 591	P201	9-Apr-10	277/279/285	-	26.5 ft N, EOS	B	16	-	Pass	
R 592	P201	9-Apr-10	285/284/279	-	7 ft NE, EOS	B	16	-	Pass	
R 593	P201	9-Apr-10	284/279/280	-	20 ft NE, EOS	B	16	-	Pass	
R 594	P201	9-Apr-10	284/280/281	-	9 ft N, EOS	B	16	-	Pass	
R 595	P201	9-Apr-10	281/284/285	-	19 ft NW, EOS	B	16	-	Pass	
R 596	P201	9-Apr-10	285/281/282	-	8 ft NW, EOS	B	16	-	Pass	
R 597	P201	13-Apr-10	286/287	-	0+77	P	3	2	Pass	
R 598	P201	13-Apr-10	288/290	-	1+18	P	5	2	Pass	
R 599	P201	13-Apr-10	287/288/289	-	1+88	B	16	-	Pass	
R 600	P201	13-Apr-10	290/288/289	-	1+85	B	16	-	Pass	
R 601	P201	13-Apr-10	109/189	290	1+08	P/B	4	4	Pass	
R 602	P201	13-Apr-10	71/227	290	0+69	P/B	3	3	Pass	

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Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 603	P201	13-Apr-10	33/265	290	0+31	P/B	4.5	4.5	Pass	
R 604	P201	13-Apr-10	289/290	-	2+44	P/B	8	7.5	Pass	
R 605	P201	13-Apr-10	10/288	290	0+08	P/B	7	7.5	Pass	
R 606	P201	13-Apr-10	290/291/292	-	0+84	B/T	16	-	Pass	
R 607	P201	13-Apr-10	293/291/292	-	0+84	B/T	16	-	Pass	
R 608	P201	13-Apr-10	292/293/294	-	2+76	P/T	6	2	Pass	
R 609	P201	13-Apr-10	295/293/294	-	2+76	B/T	16	-	Pass	
R 610	P201	14-Apr-10	295/296/297	-	0+68	B/T	16	-	Pass	
R 611	P201	14-Apr-10	298/296/297	-	0+66	B/T	16	-	Pass	
R 612	P201	14-Apr-10	298/299/300	-	0+65	B/T	16	-	Pass	
R 613	P201	14-Apr-10	301/299/300	-	0+54	B/T	16	-	Pass	
R 614	P201	13-Apr-10	295/297	-	1 ft E, EOS	B	19	-	Pass	
R 615	P201	14-Apr-10	-	301	1+90	P/B	7.5	7.5	Pass	
R 616	P201	14-Apr-10	-	301	1+50	P/B	8	7	Pass	
R 617	P201	14-Apr-10	301/302	-	1+82	P/B	4	4.5	Pass	
R 618	P201	14-Apr-10	-	287	0+07	P	2	2	Pass	
R 619	P201	13-Apr-10	273/286/287	-	15 ft SW, EOS	P/T	3.5	2.5	Pass	
R 620	P201	13-Apr-10	287/273/272	-	10 ft SW, EOS	B/T	16	-	Pass	
R 621	P201	13-Apr-10	272/287/288	-	10 ft SW, EOS	B/T	16	-	Pass	
R 622	P201	13-Apr-10	288/272/271	-	6 ft E, EOS	B/T	16	-	Pass	
R 623	P201	13-Apr-10	271/288/290	-	22 ft W, EOS	B/T	16	-	Pass	
R 624	P201	13-Apr-10	271/270/290/291	-	22 ft W, EOS	B/T	32	-	Pass	
R 625	P201	13-Apr-10	270/291/293	-	22.5 ft W, EOS	B/T	16	-	Pass	
R 626	P201	13-Apr-10	293/270/269	-	4.5 ft W, EOS	B/T	16	-	Pass	
R 627	P201	13-Apr-10	293/269/261	-	3 ft W, EOS	B/T	16	-	Pass	
R 628	P201	13-Apr-10	261/293/295	-	15 ft W, EOS	B/T	16	-	Pass	
R 629	P201	13-Apr-10	295/260/261	-	9.5 ft W, EOS	B/T	16	-	Pass	
R 630	P201	13-Apr-10	260/295/296	-	13.5 ft W, EOS	B/T	16	-	Pass	
R 631	P201	13-Apr-10	296/260/259	-	11 ft W, EOS	B/T	16	-	Pass	
R 632	P201	13-Apr-10	259/296/298	-	12 ft W, EOS	B/T	16	-	Pass	
R 633	P201	14-Apr-10	307/308/309	-	0+95	P	2	2	Pass	
R 634	P201	14-Apr-10	307/309/310	-	0+83	B/T	16	-	Pass	
R 635	P201	14-Apr-10	307/310/311	-	0+60	B/T	16	-	Pass	
R 636	P201	14-Apr-10	307/311/312	-	0+41	B/T	16	-	Pass	
R 637	P201	14-Apr-10	307/312/313	-	0+18	B/T	16	-	Pass	
R 638	P201	13-Apr-10	287/288	-	0+76	P	2	5.5	Pass	DS 147
R 639	P201	13-Apr-10	288/289	-	1+87	P	5	2	Pass	DS 148
R 640	P201	13-Apr-10	288/290	-	0+34	P	5	2	Pass	DS 149
R 641	P201	13-Apr-10	290/292	-	2+57	P	5	2	Pass	DS 150
R 642	P201	13-Apr-10	292/293	-	1+76	P	5	2	Pass	DS 151
R 643	P201	13-Apr-10	293/295	-	0+64	P	5	2	Pass	DS 152
R 644	P201	13-Apr-10	295/296	-	0+22	P	5	2	Pass	DS 153
R 645	P201	13-Apr-10	270/291	-	0+00	P	3	2	Pass	DS 154

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 646	P201	13-Apr-10	297/298	-	1+12	P	5	2	Pass	DS 155
R 647	P201	13-Apr-10	298/300	-	1+85	P	3	3.5	Pass	DS 156
R 648	P201	13-Apr-10	299/301	-	0+41	P	5	2	Pass	DS 157
R 649	P201	13-Apr-10	301/302	-	1+44	P	5.5	2.5	Pass	DS 158
R 650	P201	13-Apr-10	302/303	-	1+47	P	5	3.5	Pass	DS 159
R 651	P201	13-Apr-10	303/307	-	0+46	P	5	2	Pass	DS 160
R 652	P201	14-Apr-10	309/310	-	0+10	P	5	2.5	Pass	DS 161
R 653	P201	14-Apr-10	307/312	-	0+28	P	5	2	Pass	DS 162
R 654	P201	13-Apr-10	285/276	-	0+00	P/B	5	2	Pass	DS 163
R 655	P201	13-Apr-10	296/R 644	-	0+20	P	5	2	Pass	DS 164
R 656	P201	13-Apr-10	-	287	0+01	P	1	1	Pass	
R 657	P201	13-Apr-10	297/298	-	3 ft S, EOS	P	3.5	2	Pass	
R 658	P201	13-Apr-10	300/301	-	11 ft S, EOS	P	3	2	Pass	
R 659	P201	14-Apr-10	300/301	-	5 ft S, EOS	P	2	2	Pass	
R 660	P201	14-Apr-10	302/303	-	21 ft S	P	4	2	Pass	
R 661	P201	14-Apr-10	303/304	-	5 ft S, EOS	P	2	2	Pass	
R 662	P201	14-Apr-10	311/312	-	16 ft W, EOS	P/B	16	-	Pass	
R 663	P201	14-Apr-10	307/305/306	-	0+13	B/T	16	-	Pass	
R 664	P201	14-Apr-10	304/305/306	-	0+20	B/T	16	-	Pass	
R 665	P201	14-Apr-10	323/324	-	0+12	P	3	2	Pass	
R 666	P201	13-Apr-10	-	326	0+80	P/B	6	5.5	Pass	
R 667	P201	14-Apr-10	326/327	-	0+15	P/B	8	7.5	Pass	
R 668	P201	14-Apr-10	326/327	-	0+04	P	2	2	Pass	
R 669	P201	13-Apr-10	-	329	0+09	P/B	9	8	Pass	
R 670	P201	14-Apr-10	327/335	-	0+15	P/B	10	10.5	Pass	
R 671	P201	14-Apr-10	-	332	0+04	P/B	6	4	Pass	
R 672	P201	14-Apr-10	331/332	-	7 ft W, EOS	P	3	2	Pass	
R 673	P201	13-Apr-10	283/328	-	7 ft W, EOS	P	2	2	Pass	
R 674	P201	14-Apr-10	314/313/307	-	35 ft E, EOS	B/T	16	-	Pass	
R 675	P201	14-Apr-10	307/314/315	-	13 ft E, EOS	B/T	16	-	Pass	
R 676	P201	14-Apr-10	315/306/307	-	11 ft E, EOS	B/T	16	-	Pass	
R 677	P201	14-Apr-10	306/315/316	-	17 ft E, EOS	B/T	16	-	Pass	
R 678	P201	14-Apr-10	316/304/306	-	7.5 ft E, EOS	B/T	16	-	Pass	
R 679	P201	14-Apr-10	304/316/317	-	21.5 ft E, EOS	B/T	16	-	Pass	
R 680	P201	14-Apr-10	317/303/304	-	4.5 ft E, EOS	B/T	16	-	Pass	
R 681	P201	14-Apr-10	317/318/302/303	-	25 ft E, EOS	B/T	16	-	Pass	
R 682	P201	14-Apr-10	318/301/302	-	25 ft E, EOS	B/T	16	-	Pass	
R 683	P201	14-Apr-10	301/318/319	-	3.5 ft E, EOS	B/T	16	-	Pass	
R 684	P201	14-Apr-10	319/299/301	-	21.5 ft E, EOS	B/T	16	-	Pass	
R 685	P201	14-Apr-10	299/319/321	-	6.5 ft E, EOS	B/T	16	-	Pass	
R 686	P201	14-Apr-10	321/298/299	-	17 ft E, EOS	B/T	16	-	Pass	
R 687	P201	14-Apr-10	298/259/321	-	10 ft E, EOS	P	6	6	Pass	
R 688	P201	14-Apr-10	259/321/322	-	9 ft E, EOS	B/T	16	-	Pass	

TABLE 3.3.6

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CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 689	P201	14-Apr-10	259/322/323	-	48.5 ft E, EOS	B/T	16	-	Pass	
R 690	P201	14-Apr-10	259/323/324	-	48 ft S, EOS	B/T	16	-	Pass	
R 691	P201	14-Apr-10	321/319/320	-	18 ft E, EOS	B/T	16	-	Pass	
R 692	P201	14-Apr-10	318/319/320	-	20 ft E, EOS	B/T	16	-	Pass	
R 693	P201	12-Apr-10	287/286/325/283	-	22 ft W, EOS	P/T	2.5	2.5	Pass	
R 694	P201	12-Apr-10	283/325/328	-	22 ft E, EOS	P/T	3	2	Pass	
R 695	P201	12-Apr-10	325/328/329	-	22 ft NE, EOS	P/T	3	2	Pass	
R 696	P201	12-Apr-10	326/329/330	-	24.5 ft NE, EOS	B/T	16	-	Pass	
R 697	P201	12-Apr-10	326/330/331	-	26 ft NE, EOS	B/T	16	-	Pass	
R 698	P201	12-Apr-10	326/327/331	-	9.5 ft NE, EOS	B/T	16	-	Pass	
R 699	P201	12-Apr-10	327/331/332	-	16 ft NE, EOS	B/T	16	-	Pass	
R 700	P201	12-Apr-10	327/332/333	-	25.5 ft NE, EOS	B/T	16	-	Pass	
R 701	P201	12-Apr-10	327/333/335	-	18.5 ft NE, EOS	B/T	16	-	Pass	
R 702	P201	12-Apr-10	333/334/335	-	7.5 ft NE, EOS	B/T	16	-	Pass	
R 703	P201	14-Apr-10	-	327	0+15	B/T	5	-	Pass	
R 704	P201 Ditch	15-Apr-10	337/338	-	0+00	P	3	3	Pass	
R 705	P201 Ditch	15-Apr-10	338/339/342	-	0+05	T	16	-	Pass	
R 706	P201 Ditch	15-Apr-10	338/339	-	0+20	P	5	2	Pass	
R 707	P201	14-Apr-10	315/316	-	0+28	P	5	2	Pass	DS 165
R 708	P201	14-Apr-10	319/321	-	0+45	P	5	2	Pass	DS 166
R 709	P201	14-Apr-10	322/323	-	0+47	P	5	2	Pass	DS 167
R 710	P201	13-Apr-10	287/325	-	0+28	P	5	2	Pass	DS 168
R 711	P201	14-Apr-10	325/326	-	1+40	P	5	2	Pass	DS 169
R 712	P201	13-Apr-10	328/329	-	0+36	P	5	2	Pass	DS 170
R 713	P201	14-Apr-10	331/332	-	0+21	P	2	5.5	Pass	DS 171
R 714	P201 Ditch	15-Apr-10	337/338	-	0+20	P	5	2	Pass	DS 172
R 715	P201	13-Apr-10	326/330	-	0+41	P	5	2	Pass	DS 173
R 716	P201	14-Apr-10	303/317	-	0+66	P	5	2	Pass	DS 174
R 717	P201	14-Apr-10	-	293	0+12	B	4	-	Pass	
R 718	P201	14-Apr-10	-	321	2 ft S, EOS	P	2	2	Pass	
R 719	P201	14-Apr-10	-	321	5 ft S, EOS	P	2.5	2	Pass	
R 720	P201	14-Apr-10	-	321	0+55	P/B	6	-	Pass	
R 721	P201	14-Apr-10	-	296	0+15	P/B	1	1	Pass	
R 722	P201	14-Apr-10	298/300	-	1+54	P	3	2.5	Pass	
R 723	P201	14-Apr-10	325/326	-	0+05	P	2	2	Pass	
R 724	P201	14-Apr-10	325/326	-	0+32	B	16	-	Pass	
R 725	P201	14-Apr-10	287/325	-	0+04	B	16	-	Pass	
R 726	P201	30-Apr-10	-	327	-	P	1	1	Pass	
R 727	P201	30-Apr-10	-	327	-	P	1	1	Pass	
R 728	P201	14-May-10	-	293	-	P	1	1	Pass	
R 729	P201	14-May-10	-	300	-	P	1	1	Pass	
R 730	P201	14-May-10	-	327	-	P	1	1	Pass	
R 731	Detention Basin 6	7-Jun-10	344/345	-	0+25	B	6	4	Pass	

TABLE 3.3.6

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CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 732	Detention Basin 6	8-Jun-10	346/347	-	0+35	P	5	2	Pass	
R 733	Detention Basin 6	8-Jun-10	348/349	-	0+55	P	3	2	Pass	
R 734	Detention Basin 6	8-Jun-10	352/353	-	0+33	B	10	9	Pass	
R 735	Detention Basin 6	7-Jun-10	351/352	-	0+34	B	5	5	Pass	
R 736	Detention Basin 6	8-Jun-10	349/350	-	0+01	P	2	1	Pass	
R 737	Detention Basin 6	8-Jun-10	350/351	-	0+01	P	2	1	Pass	
R 738	Detention Basin 6	8-Jun-10	348/347	-	0+07	P	4	2	Pass	DS 175
R 739	Detention Basin 6	8-Jun-10	349/348	-	0+09	P	4	2	Pass	DS 176
R 740	Detention Basin 6	8-Jun-10	351/352	-	0+21	P	4	2	Pass	DS 177
R 741	Detention Basin 6	8-Jun-10	351/352	-	0+39	P	1	1	Pass	
R 742	Detention Basin 6	8-Jun-10	350/351/353	-	0+21	P	1	1	Pass	
R 743	Detention Basin 6	8-Jun-10	352/353/350	-	0+48	P	2	2	Pass	
R 744	Detention Basin 6	8-Jun-10	353/354/350	-	0+58	P	6	2	Pass	
R 745	Detention Basin 6	8-Jun-10	350/354	-	0+71	P	5	2	Pass	
R 746	Detention Basin 6	8-Jun-10	351/352	-	0+01	P	1	1	Pass	
R 747	Detention Basin 6	8-Jun-10	352/353	-	0+01	P	1	1	Pass	
R 748	Detention Basin 6	8-Jun-10	353/356	-	0+02	P	2	1	Pass	
R 749	Detention Basin 6	8-Jun-10	355/356	-	0+04	P	8	4	Pass	
R 750	Detention Basin 6	8-Jun-10	354/355	-	0+03	P	4	2	Pass	
R 751	Detention Basin 6	8-Jun-10	355/356	-	0+36	P	6	2	Pass	
R 752	Detention Basin 6	8-Jun-10	355/356	-	0+44	P	2	2	Pass	
R 753	P201	8-Jun-10	-	331	-	P	4	3	Pass	
R 754	Detention Basin 6	8-Jun-10	353/755	-	0+10 (R755)	P	4	2	Pass	DS 178
R 755	Detention Basin 6	8-Jun-10	356/353	-	0+00-0+16	P	16	2	Pass	
R 756	Detention Basin 6	8-Jun-10	354/355	-	Base East HW	P	18	7	Pass	
R 757	Detention Basin 6	8-Jun-10	353/756	-	-	P	6	3	Pass	
R 758	Detention Basin 6	8-Jun-10	353/756	-	-	P	6	3	Pass	
R 759	Detention Basin 6	8-Jun-10	-	355	0+37/L4	P	1	1	Pass	
R 760	Detention Basin 6	8-Jun-10	353/355	-	-	P	1	1	Pass	
R 761	P201 Bump Out	9-Jun-10	357/358	-	0+14	P	4	2	Pass	DS 179
R 762	P201 Bump Out	9-Jun-10	359/358	-	0+50	P	7	3	Pass	
R 763	P201 Bump Out	9-Jun-10	-	359	0+27/R11	P	3	2	Pass	
R 764	P201 Bump Out	9-Jun-10	357/358	-	0+35	P	3	3	Pass	
R 765	P201 Bump Out	9-Jun-10	359/360	-	0+01	P	1	1	Pass	
R 766	P201 Bump Out	9-Jun-10	358/359	-	0+01	P	1	1	Pass	
R 767	P201 Bump Out	9-Jun-10	357/358	-	0+01	P	2	1	Pass	
R 768	P201 Bump Out	9-Jun-10	337/275	-	0+00/L4	P	2	1	Pass	
R 769	Detention Basin 6	17-Jun-10	-	354	-	P	3	2	Pass	
R 770	West AOI-6	7-Jul-10	-	67	-	P	4	4	Pass	
R 771	AOI-8	7-Jul-10	-	209	-	P	1	1	Pass	
R 772	East AOI-6	16-Jul-10	-	74	-	P	1	1	Pass	
R 773	East AOI-6	30-Aug-10	-	363	0+48/R3	B	7	7	Pass	
R 774	East AOI-6	30-Aug-10	-	363	0+50/R6	B	7	7	Pass	

TABLE 3.3.6

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EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 775	East AOI-6	30-Aug-10	363/364/365	-	1+15	P	3	2	Pass	
R 776	East AOI-6	30-Aug-10	362/363	-	BOS 0+26	P	26	2	Pass	
R 777	East AOI-6	30-Aug-10	364/365/367	-	1+05	P	2	2	Pass	
R 778	East AOI-6	30-Aug-10	363/365/367	-	1+68	P	5	2	Pass	
R 779	East AOI-6	27-Aug-10	-	368	0+74/L8	B	12	3	Pass	
R 780	East AOI-6	27-Aug-10	-	368	0+36/L4	B	8	3	Pass	
R 781	East AOI-6	30-Aug-10	366/367/364	-	0+80	P	8	3	Pass	
R 782	East AOI-6	27-Aug-10	366/367	-	BOS 0+25	P	21	1	Pass	
R 783	East AOI-6	27-Aug-10	368/369	-	0+76 - 0+88	P	11	2	Pass	
R 784	East AOI-6	27-Aug-10	370/371/372	-	1+22	P	6	2	Pass	
R 785	East AOI-6	27-Aug-10	373/371/372	-	1+22	P	2	2	Pass	
R 786	East AOI-6	27-Aug-10	373/372	-	0+22	P	1	1	Pass	
R 787	East AOI-6	27-Aug-10	372/370	-	0+45	P	1	1	Pass	
R 788	East AOI-6	27-Aug-10	370/369	-	0+67	P	1	1	Pass	
R 789	East AOI-6	27-Aug-10	369/368	-	0+90	P	1	1	Pass	
R 790	East AOI-6	27-Aug-10	368/367	-	1+18	P	10	2	Pass	
R 791	East AOI-6	30-Aug-10	367/363	-	1+35	P	7	2	Pass	
R 792	East AOI-6	30-Aug-10	362/363	-	1+57	P	2	2	Pass	
R 793	East AOI-6	27-Aug-10	373/374/379	-	0+84	P	4	3	Pass	
R 794	East AOI-6	27-Aug-10	-	374	0+81/R9	B	14	4	Pass	
R 795	East AOI-6	27-Aug-10	379/374/375	-	0+90	P	-	-	-	Covered by R 794
R 796	East AOI-6	27-Aug-10	379/375/376	-	0+68	P	2	2	Pass	
R 797	East AOI-6	27-Aug-10	379/376/377	-	0+45	P	2	1	Pass	
R 798	East AOI-6	27-Aug-10	379/377	-	0+06	P	1	1	Pass	
R 799	East AOI-6	27-Aug-10	379/377/378	-	0+23	P	2	1	Pass	
R 800	East AOI-6	27-Aug-10	-	376	0+41/L10	B	13	4	Pass	
R 801	East AOI-6	27-Aug-10	379/380	-	0+34	P	2	2	Pass	
R 802	East AOI-6	27-Aug-10	379/380	-	0+45	P	5	3	Pass	
R 803	East AOI-6	27-Aug-10	379/380/381	-	1+10	P	3	3	Pass	
R 804	East AOI-6	27-Aug-10	373/379/381	-	1+24	P	2	2	Pass	
R 805	East AOI-6	27-Aug-10	381/382/373	-	1+15	P	2	2	Pass	
R 806	East AOI-6	27-Aug-10	382/380/381	-	1+01	P	2	2	Pass	
R 807	East AOI-6	27-Aug-10	-	379	0+00/R8	B	6	5	Pass	
R 808	East AOI-6	27-Aug-10	363/364	-	0+50	P	4	2	Pass	DS 180
R 809	East AOI-6	30-Aug-10	367/368	-	1+05	P	4	2	Pass	DS 181
R 810	East AOI-6	27-Aug-10	368/369	-	1+55	P	4	2	Pass	DS 182
R 811	East AOI-6	27-Aug-10	242/372	-	0+36	P	4	2	Pass	DS 183
R 812	East AOI-6	27-Aug-10	372/373	-	1+40	P	4	2	Pass	DS 184
R 813	East AOI-6	27-Aug-10	375/376	-	0+64	P	4	2	Pass	DS 185
R 814	East AOI-6	27-Aug-10	376/377	-	0+63	P	4	2	Pass	DS 186
R 815	East AOI-6	27-Aug-10	380/382	-	0+59	P	4	2	Pass	DS 187
R 816	East AOI-6	26-Aug-10	390/391	-	0+48	P	4	2	Pass	DS 188
R 817	East AOI-6	26-Aug-10	391/392	-	0+84	P	4	2	Pass	DS 189

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 818	East AOI-6	30-Aug-10	-	365	1+10/L1	P	2	2	Pass	
R 819	East AOI-6	30-Aug-10	-	365	1+13/L2	P	2	2	Pass	
R 820	East AOI-6	27-Aug-10	369/370	-	0+25	P	-	3	Pass	
R 821	East AOI-6	27-Aug-10	373/383/382	-	1+20	P	3	2	Pass	
R 822	East AOI-6	27-Aug-10	373/383/386	-	1+15	P	10	2	Pass	
R 823	East AOI-6	27-Aug-10	242/373/386	-	0+00	P	4	3	Pass	
R 824	East AOI-6	27-Aug-10	242/401/386	-	0+80	P	4	4	Pass	
R 825	East AOI-6	27-Aug-10	242/401	-	0+38	P	6	3	Pass	
R 826	East AOI-6	27-Aug-10	242/401	-	0+11	P	4	2.5	Pass	
R 827	East AOI-6	27-Aug-10	242/401	-	0+02	P	6	2	Pass	
R 828	East AOI-6	27-Aug-10	386/383/384	-	0+83	P	2	2	Pass	
R 829	East AOI-6	27-Aug-10	386/384/385	-	0+72	P	2	2	Pass	
R 830	East AOI-6	27-Aug-10	382/383/384	-	0+91	P	2	2	Pass	
R 831	East AOI-6	27-Aug-10	382/384/385	-	0+80	P	2	2	Pass	
R 832	East AOI-6	27-Aug-10	382/385	-	0+35	P	2	2	Pass	
R 833	East AOI-6	27-Aug-10	385/386	-	0+05	P	10	2	Pass	
R 834	East AOI-6	27-Aug-10	-	382	0+04	P	16	6	Pass	
R 835	East AOI-6	27-Aug-10	380/394	-	1+08	P	4	2	Pass	
R 836	East AOI-6	27-Aug-10	394/379/380	-	0+97	P	2	2	Pass	
R 837	East AOI-6	27-Aug-10	394/395	-	0+94	P	14	1	Pass	
R 838	East AOI-6	27-Aug-10	394/395	-	0+84	B	8	2	Pass	
R 839	East AOI-6	27-Aug-10	394/379/378	-	0+75	P	2	2	Pass	
R 840	East AOI-6	27-Aug-10	395/396	-	0+53	P	4	2	Pass	
R 841	East AOI-6	27-Aug-10	396/397	-	1+00	P	3	2	Pass	
R 842	East AOI-6	26-Aug-10	-	397	0+79/R7	B	7	6	Pass	
R 843	East AOI-6	26-Aug-10	-	397	0+68/L6	B	7	6	Pass	
R 844	East AOI-6	26-Aug-10	397/400/399	-	0+92	P	2	2	Pass	
R 845	East AOI-6	26-Aug-10	397/398/399	-	0+00	P	1	1	Pass	
R 846	East AOI-6	26-Aug-10	397/393/398	-	0+00	P	2	2	Pass	
R 847	East AOI-6	26-Aug-10	-	398	0+06/L3	B	6	6	Pass	
R 848	East AOI-6	26-Aug-10	397/392/393	-	0+00	P	14	4	Pass	
R 849	East AOI-6	27-Aug-10	396/397	-	0+04	P	2	1	Pass	
R 850	East AOI-6	26-Aug-10	397/391/392	-	0+00	P	2	2	Pass	
R 851	East AOI-6	26-Aug-10	-	391	0+06/R8	P	2	2	Pass	
R 852	East AOI-6	26-Aug-10	390/391	-	0+30	P	4	2	Pass	
R 853	East AOI-6	27-Aug-10	-	390	0+15/L5	P	2	1	Pass	
R 854	East AOI-6	26-Aug-10	389/390	-	0+04	P	9	4	Pass	
R 855	East AOI-6	26-Aug-10	388/385	-	0+33	B	15	7	Pass	
R 856	East AOI-6	26-Aug-10	391/392	-	0+48	P	2	2	Pass	
R 857	East AOI-6	26-Aug-10	391/392	-	0+60	P	3	2	Pass	
R 858	East AOI-6	26-Aug-10	391/392	-	0+69	P	1	1	Pass	
R 859	East AOI-6	26-Aug-10	392/393	-	0+20	P	3	2	Pass	
R 860	East AOI-6	26-Aug-10	392/393	-	0+30	P	3	2	Pass	

TABLE 3.3.6
SUMMARY OF LLDPE LINER SEAM REPAIRS
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EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 861	AOI-5	26-Aug-10	427/428	-	-	P	2	2	Pass	
R 862	EAOI-10	26-Aug-10	-	27	-	P	2	2	Pass	
R 863	East AOI-6	26-Aug-10	392/393	-	0+75	P	4	2	Pass	DS 190
R 864	East AOI-6	27-Aug-10	373/383	-	0+84	P	10	2	Pass	DS 191
R 865	East AOI-6	27-Aug-10	395/396	-	0+35	P	4	1	Pass	DS 192
R 866	East AOI-6	26-Aug-10	398/393	-	0+32	P	4	2	Pass	DS 193
R 867	East AOI-6	27-Aug-10	46/387	-	0+12	P	4	2	Pass	DS 194
R 868	East AOI-6	26-Aug-10	57/398/393	-	0+99	P	4	3	Pass	
R 869	East AOI-6	26-Aug-10	-	393	0+95/L10	B	15	15	Pass	
R 870	East AOI-6	26-Aug-10	54/392/393	-	0+07	P	4	3	Pass	
R 871	East AOI-6	26-Aug-10	54/392/353	-	0+95	P	4	3	Pass	
R 872	East AOI-6	26-Aug-10	51/54/391/392	-	1+25	P	3	3	Pass	
R 873	East AOI-6	26-Aug-10	49/51/390/391	-	1+01	P	4	3	Pass	
R 874	East AOI-6	26-Aug-10	48/49/389/390	-	0+76	P	9	9	Pass	
R 875	East AOI-6	26-Aug-10	47/48/389/388	-	0+46	P	3	3	Pass	
R 876	East AOI-6	26-Aug-10	46/47/388	-	0+21	P	2	2	Pass	
R 877	East AOI-6	27-Aug-10	44/46/387	-	0+39	P	2	2	Pass	
R 878	East AOI-6	27-Aug-10	44/387	-	0+26	P	2	2	Pass	
R 879	East AOI-6	27-Aug-10	44/387	-	0+29	P	3	2	Pass	
R 880	East AOI-6	26-Aug-10	389/388	-	0+37/L8	P	1	1	Pass	
R 881	East AOI-6	22-Aug-10	382/385	-	0+03	P	2	2	Pass	
R 882	East AOI-6	26-Aug-10	389/388	-	0+8	P	2	2	Pass	
R 883	East AOI-6	26-Aug-10	375/376	-	0+29	P	3	3	Pass	
R 884	East AOI-6	28-Aug-10	399/398/57	-	-	P	20	12	Pass	
R 885	East AOI-6	1-Sep-10	362/402	-	0+80	B	5	4	Pass	
R 886	East AOI-6	1-Sep-10	362/402	-	0+52	B	8	7	Pass	
R 887	East AOI-6	-	-	402	0+49/R4	B	-	-	-	Covered by R 925
R 888	East AOI-6	-	402/404	402	0+41	B	-	-	-	Covered by R 925
R 889	East AOI-6	1-Sep-10	-	402	0+28/L10	B	6	6	Pass	
R 890	East AOI-11	31-Aug-10	-	403	2+04/R8	B	6	4	Pass	
R 891	East AOI-11	31-Aug-10	-	403	1+81/R20	P	4	2	Pass	
R 892	East AOI-11	31-Aug-10	-	403	1+65/R18	P	1	1	Pass	
R 893	East AOI-11	31-Aug-10	404/405	-	0+58	B	4	4	Pass	
R 894	East AOI-11	31-Aug-10	-	404	1+53/R5	B	3	8	Pass	
R 895	East AOI-11	31-Aug-10	-	404	1+03/R6	B	8	6	Pass	SAME AS 896
R 896	East AOI-11	31-Aug-10	-	404	1+03/R6	B	8	6	Pass	SAME AS 895
R 897	East AOI-11	31-Aug-10	-	404	0+66/R7	B	8	4	Pass	
R 898	East AOI-11	31-Aug-10	404/405	-	0+70/R1	B	12	3	Pass	SAME AS 899
R 899	East AOI-11	31-Aug-10	-	404	0+64/R1	B	12	3	Pass	SAME AS 898
R 900	East AOI-11	31-Aug-10	-	403	0+16/R11	B	5	4	Pass	
R 901	East AOI-11	31-Aug-10	403/404	-	1+38	P	4	2	Pass	DS 195
R 902	East AOI-11	31-Aug-10	404/405	-	1+89	P	4	2	Pass	DS 196
R 903	East AOI-11	31-Aug-10	406/407	-	1+47	P	4	2	Pass	DS 197

TABLE 3.3.6

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CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 904	East AOI-11	31-Aug-10	407/408	-	0+74	P	4	2	Pass	DS 198
R 905	East AOI-11	1-Sep-10	402/407	-	1+10	P	4	2	Pass	DS 199
R 906	East AOI-11	31-Aug-10	403/404	-	0+16	P	3	3	Pass	
R 907	East AOI-11	31-Aug-10	-	405	0+06/L5	B	4	3	Pass	
R 908	East AOI-11	31-Aug-10	407/408/409	-	0+45	P	3	3	Pass	
R 909	East AOI-11	31-Aug-10	406/407	-	1+18	P	3	2	Pass	
R 910	East AOI-11	31-Aug-10	402/403/404	-	0+23	P	5	3	Pass	
R 911	East AOI-11	-	402/404/405	-	0+46	P/B	-	-	-	Covered by R 925
R 912	East AOI-11	1-Sep-10	402/405/406	-	0+74	P	2	2	Pass	
R 913	East AOI-11	1-Sep-10	402/406/407	-	0+97	P	2	2	Pass	
R 914	East AOI-11	1-Sep-10	402/407	-	1+22	P	7	3	Pass	
R 915	East AOI-11	1-Sep-10	402/237/238	-	1+40	P	2	1	Pass	
R 916	East AOI-11	31-Aug-10	402/236/237	-	1+68	P	2	2	Pass	
R 917	East AOI-11	31-Aug-10	402/362/235/236	-	1+94	P	4	3	Pass	
R 918	East AOI-11	1-Sep-10	407/238	-	0+27	P	4	4	Pass	
R 919	East AOI-11	1-Sep-10	407/238	-	0+13	P	7	4	Pass	
R 920	East AOI-11	31-Aug-10	-	407	0+00/R7	P	2	2	Pass	
R 921	East AOI-11	31-Aug-10	-	405	0+07/L12	P	1	1	Pass	
R 922	East AOI-11	31-Aug-10	405/404	-	0+56	P	11	2	Pass	
R 923	East AOI-11	31-Aug-10	-	403	0+08/R20	P	16	3	Pass	
R 924	East AOI-11	31-Aug-10	403/402	-	0+04	P	5	2	Pass	
R 925	East AOI-11	31-Aug-10	402/405/404	-	0+45	P	10	7	Pass	
R 926	East AOI-11	1-Sep-10	402/405	-	0+59	P	1.5	1.5	Pass	
R 927	East AOI-11	1-Sep-10	407/242	-	0+00	P	12	2	Pass	
R 928	East AOI-11	1-Sep-10	407/408	-	0+81	P	3	3	Pass	
R 929	East AOI-11	1-Sep-10	-	409	0+31/L12	P	3	3	Pass	
R 930	East AOI-6	13-Sep-10	-	399	-	B	7	7	Pass	
R 931	EAOI-10	13-Sep-10	-	57	-	B	5	-	Pass	
R 932	EAOI-10	13-Sep-10	-	57	-	B	3	3	Pass	
R 933	AOI-5	13-Sep-10	-	P37	-	P	5	6	Pass	
R 934	East AOI-6	13-Sep-10	-	86	-	P	2	2	Pass	
R 935	East AOI-11	20-Sep-10	-	403	-	P	3	3	Pass	
R 936	EAOI-10	20-Sep-10	-	12	-	B	3	3	Pass	
R 937	EAOI-10	20-Sep-10	-	8	-	P	2	2	Pass	
R 938	EAOI-10	20-Sep-10	-	18	-	P	3	2	Pass	
R 939	EAOI-10	20-Sep-10	-	23	-	B	3	3	Pass	
R 940	EAOI-10	20-Sep-10	-	55	-	P	3	3	Pass	
R 941	AOI-7	21-Sep-10	450/451	-	0+45	P	5	1	Pass	
R 942	AOI-7	21-Sep-10	450/451/P40	-	0+85	P	8	2	Pass	Vault Tie in
R 943	AOI-7	21-Sep-10	P40/449/450	-	0+88	P	2	2	Pass	Vault Tie in
R 944	AOI-7	21-Sep-10	448/449/P40	-	0+90	P	7	2	Pass	Vault Tie in
R 945	AOI-7	21-Sep-10	447/448/P40	-	0+96	C	10	2	Pass	Vault Tie in
R 946	AOI-7	21-Sep-10	-	447	0+88/L9	B	4	3	Pass	

TABLE 3.3.6

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GM CET BEDFORD FACILITY
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Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 947	AOI-7	21-Sep-10	446/447/P40	-	1+00	P	4	2	Pass	Vault Tie in
R 948	AOI-7	21-Sep-10	P41/P42/445/446	-	1+01	P	7	3	Pass	Vault Tie in
R 949	AOI-7	21-Sep-10	444/445	-	0+04	P	4	2	Pass	
R 950	AOI-7	21-Sep-10	444/445	-	0+46	P	4	2	Pass	
R 951	AOI-7	21-Sep-10	444/445/P39	-	1+17	C	7	3	Pass	Vault Tie in
R 952	AOI-7	21-Sep-10	146/149/410/444	-	1+61	P	7	3	Pass	
R 953	AOI-5	22-Sep-10	410/411	-	0+49	P	6	2	Pass	
R 954	AOI-5	21-Sep-10	148/146/411/410	-	1+71	P	2	2	Pass	
R 955	AOI-5	21-Sep-10	144/148/413/411	-	1+76	P	2	2	Pass	
R 956	AOI-5	21-Sep-10	411/412/413	-	1+25	P	7	5	Pass	
R 957	AOI-5	21-Sep-10	411/412	-	1+22	P	7	5	Pass	
R 958	AOI-5	22-Sep-10	411/412	-	0+65	P	2	2	Pass	
R 959	AOI-5	22-Sep-10	411/412	-	0+45	P	4	2	Pass	
R 960	AOI-5	22-Sep-10	412/413/414	-	1+27	P	4	2	Pass	
R 961	AOI-7	21-Sep-10	449/450	-	0+09	P	4	2	Pass	DS 200
R 962	AOI-7	21-Sep-10	446/447	-	0+07	P	4	2	Pass	DS 201
R 963	AOI-7	21-Sep-10	444/445	-	0+70	P	4	2	Pass	DS 202
R 964	AOI-5	21-Sep-10	411/413	-	1+42	P	4	2	Pass	DS 203
R 965	AOI-5	22-Sep-10	414/415	-	1+29	P	4	2	Pass	DS 204
R 966	AOI-5	22-Sep-10	415/416	-	1+63	P	4	2	Pass	DS 205
R 967	AOI-5	22-Sep-10	419/420	-	1+64	P	4	2	Pass	DS 206
R 968	AOI-5	22-Sep-10	417/418	-	0+68	P	4	2	Pass	DS 207
R 969	AOI-5	22-Sep-10	422/423	-	1+10	P	4	2	Pass	DS 208
R 970	AOI-5	22-Sep-10	423/424	-	0+67	P	5	2	Pass	DS 209
R 971	AOI-5	22-Sep-10	425/426	-	1+45	P	4	2	Pass	DS 210
R 972	AOI-5	22-Sep-10	426/427	-	1+54	P	4	2	Pass	DS 211
R 973	AOI-5	22-Sep-10	429/430	-	0+95	P	4	2	Pass	DS 212
R 974	AOI-5	22-Sep-10	430/432	-	0+80	P	4	2	Pass	DS 213
R 975	AOI-5	22-Sep-10	432/433	-	0+61	P	4	2	Pass	DS 214
R 976	AOI-5	22-Sep-10	434/438	-	0+34	P	4	2	Pass	DS 215
R 977	AOI-5	22-Sep-10	440/441	-	0+33	P	4	2	Pass	DS 216
R 978	AOI-5	22-Sep-10	433/127	-	0+11	P	5	2	Pass	DS 217
R 979	AOI-5	22-Sep-10	102/425/100/423	-	2+76	P	15	2	Pass	DS 218
R 980	AOI-5	22-Sep-10	137/138/419/417	-	1+86	P	4	2	Pass	
R 981	AOI-7	21-Sep-10	-	P40	1+01/R10	P	1	1	Pass	Vault Tie in
R 982	AOI-7	21-Sep-10	444/P38	-	1+25	P	4	3	Pass	Vault Tie in
R 983	AOI-7	21-Sep-10	P34/P38/444	-	1+58	P	6	4	Pass	Vault Tie in
R 984	AOI-5	21-Sep-10	142/144/414/413	-	1+81	P	4	3	Pass	
R 985	AOI-5	21-Sep-10	141/142/415/414	-	1+85	P	5	3	Pass	
R 986	AOI-5	22-Sep-10	140/141/416/415	-	1+88	P	7	2	Pass	
R 987	AOI-5	22-Sep-10	140/46	-	1+88/R8	P	11	2	Pass	
R 988	AOI-5	22-Sep-10	138/140/417/416	-	1+85	P	14	3	Pass	
R 989	AOI-5	22-Sep-10	416/417	-	0+47	P	5	2	Pass	

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Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 990	AOI-5	22-Sep-10	416/417	-	0+17	P	2	2	Pass	
R 991	AOI-5	22-Sep-10	417/418	-	0+41	P	3	2	Pass	
R 992	AOI-5	22-Sep-10	417/418	-	0+49	P	7	2	Pass	
R 993	AOI-5	22-Sep-10	419/417/418	-	1+00	P	4	4	Pass	
R 994	AOI-5	22-Sep-10	420/419/418	-	1+06	P	3	2	Pass	
R 995	AOI-5	22-Sep-10	423/424	-	0+47	P	4	2	Pass	
R 996	AOI-5	22-Sep-10	424/426	-	0+30-0+47	P/B	10	10	Pass	
R 997	AOI-5	22-Sep-10	424/426	-	0+12	P/B	12	5	Pass	
R 998	AOI-5	22-Sep-10	424/426	-	0+04	P	1	1	Pass	
R 999	AOI-5	22-Sep-10	424/426	-	0+91	P	8	3	Pass	
R 1000	AOI-5	22-Sep-10	425/424/423	-	0+97	P	8	3	Pass	
R 1001	AOI-5	22-Sep-10	426/425/420	-	1+03	P	2	2	Pass	
R 1002	AOI-5	22-Sep-10	432/430	-	0+25	B	7	4	Pass	
R 1003	AOI-5	22-Sep-10	431/430/429	-	1+30	P	2	2	Pass	
R 1004	AOI-5	22-Sep-10	432/431/430	-	1+31	P	4	2	Pass	
R 1005	AOI-5	22-Sep-10	433/432	-	0+31	P	4	2	Pass	
R 1006	AOI-5	22-Sep-10	433/131/432	-	1+36	P	5	2	Pass	
R 1007	AOI-5	22-Sep-10	433/131	-	1+47	P	3	2	Pass	
R 1008	AOI-5	22-Sep-10	126/433/131	-	2+24	P	7	2	Pass	
R 1009	AOI-5	22-Sep-10	127/434/433	-	1+70	P	4	3	Pass	
R 1010	AOI-5	22-Sep-10	433/434	-	1+43	P	7	2	Pass	
R 1011	AOI-7	21-Sep-10	P34/P41/445	-	1+02	P	2	2	Pass	Vault Tie in
R 1012	AOI-7	21-Sep-10	449/450	-	0+46	B	1	-	Pass	
R 1013	AOI-7	21-Sep-10	P40/480	-	0+85/L05	P	1	1	Pass	Vault Tie in
R 1014	AOI-5	22-Sep-10	136/137/420/419	-	1+85	P	4	2	Pass	
R 1015	AOI-5	22-Sep-10	134/136/421/420	-	1+85	P	4	2	Pass	
R 1016	AOI-5	22-Sep-10	132/134/422/421	-	1+86	P	5	2	Pass	
R 1017	AOI-5	22-Sep-10	100/132/423/422	-	1+85	P	5	2	Pass	
R 1018	AOI-5	22-Sep-10	104/108/426/425	-	1+83	P	11	2	Pass	
R 1019	AOI-5	22-Sep-10	105/104/427/426	-	1+76	P	5	2	Pass	
R 1020	AOI-5	22-Sep-10	128/108/428/427	-	1+74	P	6	2	Pass	
R 1021	AOI-5	22-Sep-10	129/128/429/428	-	3+63	P	10	2	Pass	
R 1022	AOI-5	22-Sep-10	130/129/429/431	-	3+91	P	6	2	Pass	
R 1023	AOI-5	22-Sep-10	130/131/431/432	-	4+17	P	7	3	Pass	
R 1024	AOI-5	22-Sep-10	431/432	-	1+43	P	2	2	Pass	
R 1025	AOI-5	22-Sep-10	430/432	-	0+14	P	3	2	Pass	
R 1026	AOI-5	22-Sep-10	442/433/443	-	0+16	P	5	2	Pass	
R 1027	AOI-5	22-Sep-10	433/441/442	-	0+40	P	4	2	Pass	
R 1028	AOI-5	22-Sep-10	440/441/433	-	0+50	P	2	2	Pass	
R 1029	AOI-5	22-Sep-10	440/434/433	-	0+54	P	5	2	Pass	
R 1030	AOI-5	22-Sep-10	440/439/434	-	0+33	P	7	3	Pass	
R 1031	AOI-5	22-Sep-10	439/440	-	0+23	B	6	4	Pass	
R 1032	AOI-5	22-Sep-10	439/438/434	-	0+33	P	3	2	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
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EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1033	AOI-5	22-Sep-10	437/438/439	-	0+35	P	3	2	Pass	
R 1034	AOI-5	22-Sep-10	436/437/434	-	0+39	P	2	2	Pass	
R 1035	AOI-5	22-Sep-10	435/436	-	0+38	B	6	4	Pass	
R 1036	AOI-5	22-Sep-10	435/436/434	-	0+38	P	2	2	Pass	
R 1037	AOI-5	22-Sep-10	435/127/434	-	0+38	P	3	3	Pass	
R 1038	AOI-5	22-Sep-10	127/435	-	0+04	P	3	2	Pass	
R 1039	AOI-5	22-Sep-10	127/435	-	0+21	P	15	2	Pass	
R 1040	AOI-5	22-Sep-10	422/423	-	0+05	P	1	1	Pass	
R 1041	AOI-5	22-Sep-10	423/424	-	0+04	P	1	1	Pass	
R 1042	AOI-5	22-Sep-10	-	433	0+25/L6	P	1	1	Pass	
R 1043	AOI-5	22-Sep-10	-	426	0+27/R7	P	2	2	Pass	
R 1044	AOI-5	22-Sep-10	441/442	-	0+32	P	4	2	Pass	
R 1045	AOI-5	22-Sep-10	-	434	0+67/R2	P	2	2	Pass	
R 1046	West AOI-6	24-Sep-10	-	240	-	P	3	2	Pass	
R 1047	East AOI-4	6-Nov-10	452/453	-	0+92	P	5	2	Pass	DS 219
R 1048	West AOI-4	6-Nov-10	457/458	-	0+73	P	5	2	Pass	DS 220
R 1049	West AOI-4	6-Nov-10	463/465	-	1+35	P	5	2	Pass	DS 221
R 1050	West AOI-4	6-Nov-10	467/468	-	0+62	P	5	2	Pass	DS 222
R 1051	West AOI-4	6-Nov-10	468/469	-	1+17	P	5	2	Pass	DS 223
R 1052	West AOI-4	6-Nov-10	473/474	-	0+67	P	4	2	Pass	DS 224
R 1053	West AOI-4	6-Nov-10	476/477	-	1+22	P	4	2	Pass	DS 225
R 1054	West AOI-4	6-Nov-10	478/479	-	0+50	P	4	2	Pass	DS 226
R 1055	West AOI-4	6-Nov-10	480/482	-	1+30	P	5	2	Pass	DS 227
R 1056	West AOI-4	6-Nov-10	483/484	-	0+50	P	5	2	Pass	DS 228
R 1057	West AOI-4	6-Nov-10	485/486	-	0+78	P	5	2	Pass	DS 229
R 1058	West AOI-4	6-Nov-10	490/491	-	0+20	P	4	2	Pass	DS 230
R 1059	AOI-7	6-Nov-10	496/497	-	0+31	P	5	2	Pass	DS 231
R 1060	AOI-7	6-Nov-10	499/451	-	-	P	50	2	Pass	DS 232
R 1061	East AOI-4	6-Nov-10	586/454/453	-	1+21	P	2	2	Pass	
R 1062	East AOI-4	6-Nov-10	455/454/453	-	1+00	P	4	2	Pass	
R 1063	East AOI-4	6-Nov-10	456/455/453	-	0+55	P	4	2	Pass	
R 1064	West AOI-4	6-Nov-10	453/456/457	-	0+06	B	5	5	Pass	
R 1065	West AOI-4	6-Nov-10	458/457	-	0+30	B	14	3	Pass	
R 1066	West AOI-4	6-Nov-10	459/462/464	-	0+07	P	2	2	Pass	
R 1067	West AOI-4	6-Nov-10	462/461/459	-	0+58	P	4	2	Pass	
R 1068	West AOI-4	6-Nov-10	463/464/462	-	0+77	P	2	2	Pass	
R 1069	West AOI-4	6-Nov-10	465/463/464	-	0+76	P	2	2	Pass	
R 1070	West AOI-4	6-Nov-10	466/467/465	-	1+10	P	2	2	Pass	
R 1071	West AOI-4	6-Nov-10	468/466/467	-	1+16	P	2	2	Pass	
R 1072	West AOI-4	6-Nov-10	-	468	0+41	B	4	4	Pass	
R 1073	West AOI-4	6-Nov-10	-	468	0+38	P	4	2	Pass	
R 1074	West AOI-4	6-Nov-10	469/468	-	0+50	P	4	2	Pass	
R 1075	West AOI-4	6-Nov-10	471/470/469	-	1+30	P	4	2	Pass	

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EAST PLANT AREA COVER SYSTEM
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Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1076	West AOI-4	6-Nov-10	472/471/469	-	0+91	P	2	2	Pass	
R 1077	West AOI-4	6-Nov-10	473/472/469	-	0+52	P	4	2	Pass	
R 1078	West AOI-4	6-Nov-10	474/473/469	-	0+14	P	4	2	Pass	
R 1079	West AOI-4	6-Nov-10	475/474	-	0+30	P	10	2	Pass	
R 1080	West AOI-4	6-Nov-10	476/475	-	0+45	P	10	2	Pass	
R 1081	West AOI-4	6-Nov-10	479/478/474	-	0+25	P	6	2	Pass	
R 1082	West AOI-4	6-Nov-10	478/477	-	1+44	P	4	2	Pass	
R 1083	West AOI-4	6-Nov-10	482/481/480	-	1+42	P	3	2	Pass	
R 1084	West AOI-4	6-Nov-10	483/482/480	-	1+16	P	3	2	Pass	
R 1085	West AOI-4	6-Nov-10	484/483/480	-	0+80	P	4	2	Pass	
R 1086	West AOI-4	6-Nov-10	486/485/480	-	0+07	P	3	3	Pass	
R 1087	West AOI-4	6-Nov-10	485/484/480	-	0+43	P	4	3	Pass	
R 1088	West AOI-4	6-Nov-10	489/488/487	-	1+23	P	3	2	Pass	
R 1089	West AOI-4	6-Nov-10	490/489/487	-	0+82	P	3	2	Pass	
R 1090	West AOI-4	6-Nov-10	491/490/487	-	0+40	P	4	2	Pass	
R 1091	West AOI-4	6-Nov-10	493/492/491	-	0+67	P	3	2	Pass	
R 1092	West AOI-4	6-Nov-10	494/493/492	-	0+64	P	2	2	Pass	
R 1093	West AOI-4	6-Nov-10	461/460/459	-	1+06	P	4	2	Pass	
R 1094	West AOI-4	6-Nov-10	457/458	-	0+35	P	2	2	Pass	
R 1095	West AOI-4	6-Nov-10	-	987	0	P	2	2	Pass	
R 1096	West AOI-4	6-Nov-10	483/480	-	0+84	P	2	2	Pass	
R 1097	West AOI-4	11-Nov-10	494/495	-	0+58	P	4	2	Pass	DS 233
R 1098	AOI-7	11-Nov-10	497/498	-	0+14	P	4	2	Pass	DS 234
R 1099	AOI-5	11-Nov-10	422/423	-	-	P	3	2	Pass	
R 1100	East AOI-6	11-Nov-10	-	242	-	P	6	4	Pass	
R 1101	East AOI-4	22-Jun-11	99/500/502	-	2+37	P	5	6	Pass	
R 1102	East AOI-4	22-Jun-11	98/99/500	-	2+29	P	3	3	Pass	
R 1103	East AOI-4	22-Jun-11	98/500	-	1+87	P	6	3	Pass	
R 1104	East AOI-4	22-Jun-11	500/501/502	-	1+54	P	2	2	Pass	
R 1105	East AOI-4	22-Jun-11	501/502/503	-	1+63	P	2	2	Pass	
R 1106	East AOI-4	22-Jun-11	503/505/501	-	1+54	P	3	2	Pass	
R 1107	East AOI-4	22-Jun-11	502/503/504	-	2+25	P	6	3	Pass	
R 1108	East AOI-4	22-Jun-11	503/505/504	-	1+62	P	2	2	Pass	
R 1109	East AOI-4	22-Jun-11	506/504	-	2+15	P	5	5	Pass	
R 1110	East AOI-4	22-Jun-11	506/504	-	2+29	P	3	2	Pass	
R 1111	East AOI-4	22-Jun-11	506/504	-	2+58	P	4	3	Pass	
R 1112	East AOI-4	22-Jun-11	506/504	-	2+71	P	3	2	Pass	
R 1113	East AOI-4	22-Jun-11	502/504	-	2+95	P	18	3	Pass	
R 1114	East AOI-4	23-Jun-11	504/511/506	-	3+11	P	4	2	Pass	
R 1115	East AOI-4	23-Jun-11	500/502	-	2+02	P	4	3	Pass	
R 1116	East AOI-4	23-Jun-11	506/511	-	2+46	P	3	3	Pass	
R 1117	East AOI-4	23-Jun-11	506/511	-	2+31	P	7	3	Pass	
R 1118	East AOI-4	23-Jun-11	506/507/511	-	2+16 - 0+00	P	3	3	Pass	

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EAST PLANT AREA COVER SYSTEM
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Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1119	East AOI-4	23-Jun-11	511/512/507/508	-	0+22	P	5	3	Pass	
R 1120	East AOI-4	23-Jun-11	509/508/512/513	-	2+46/0+44	P	9	3	Pass	
R 1121	East AOI-4	23-Jun-11	513/514/509/510	-	2+35/0+67	B	-	-	Pass	
R 1122	East AOI-4	23-Jun-11	513/514/515	-	0+53	P	2	2	Pass	
R 1123	East AOI-4	23-Jun-11	500/501	-	1+22	P	4	2	Pass	DS 235
R 1124	East AOI-4	23-Jun-11	502/504	-	3+07	P	4	2	Pass	DS 236
R 1125	East AOI-4	23-Jun-11	501/505	-	0+87	P	4	2	Pass	DS 237
R 1126	East AOI-4	23-Jun-11	504/506	-	0+86	P	4	2	Pass	DS 238
R 1127	East AOI-4	23-Jun-11	506/507	-	1+55	P	4	2	Pass	DS 239
R 1128	East AOI-4	23-Jun-11	507/508	-	0+80	P	4	2	Pass	DS 240
R 1129	East AOI-4	23-Jun-11	508/509	-	1+84	P	4	2	Pass	DS 241
R 1130	East AOI-4	23-Jun-11	509/510	-	1+07	P	4	2	Pass	DS 242
R 1131	East AOI-4	15-Jul-11	517/519	-	0+52	B	5	5	Pass	
R 1132	East AOI-4	23-Jun-11	502/504/511	-	EOS	P	8	5	Pass	
R 1133	East AOI-4	23-Jun-11	516/518/517	-	1+72	P	2	2	Pass	
R 1134	East AOI-4	23-Jun-11	516/517	-	1+48	P	2	2	Pass	
R 1135	East AOI-4	23-Jun-11	518/517/519	-	1+70	P	2	2	Pass	
R 1136	East AOI-4	23-Jun-11	519/521/520	-	1+79	P	2	2	Pass	
R 1137	East AOI-4	23-Jun-11	520/521/522	-	1+92	P	2	2	Pass	
R 1138	East AOI-4	23-Jun-11	521/522	-	2+02	P	4	2	Pass	
R 1139	East AOI-4	24-Jun-11	522/524	-	1+58	P	4	2	Pass	
R 1140	East AOI-4	24-Jun-11	522/524	-	1+16	P	7	2	Pass	
R 1141	East AOI-4	24-Jun-11	522/524/525	-	0+92	P	3	2	Pass	
R 1142	East AOI-4	24-Jun-11	524/523/525	-	1+04	P	2	2	Pass	
R 1143	East AOI-4	24-Jun-11	98/500	-	0+00 - 0+20	C	20	3	Pass	
R 1144	East AOI-4	24-Jun-11	505/504	-	0+04	C	6	4	Pass	
R 1145	East AOI-4	24-Jun-11	507/508	-	0+04	C	6	4	Pass	
R 1146	East AOI-4	24-Jun-11	533/532/522	-	0+00	B	-	-	Pass	
R 1147	East AOI-4	24-Jun-11	521/522/532	-	0+00	B	-	-	Pass	
R 1148	East AOI-4	24-Jun-11	530/532/521	-	0+00	P	5	3	Pass	
R 1149	East AOI-4	24-Jun-11	519/521/530	-	0+00	B	-	-	Pass	
R 1150	East AOI-4	24-Jun-11	519/529/530	-	0+00	B	-	-	Pass	
R 1151	East AOI-4	24-Jun-11	518/519/528	-	0+00	B	-	-	Pass	
R 1152	East AOI-4	24-Jun-11	518/528/529	-	0+00	B	-	-	Pass	
R 1153	East AOI-4	24-Jun-11	516/518/528	-	0+00	B	-	-	Pass	
R 1154	East AOI-4	24-Jun-11	516/528/526	-	0+00	B	-	-	Pass	
R 1155	East AOI-4	24-Jun-11	516/510/514/526	-	0+00	P	6	3	Pass	
R 1156	East AOI-4	24-Jun-11	514/526	-	0+32	P	4	3	Pass	
R 1157	East AOI-4	24-Jun-11	514/515/526	-	0+51	P	2	2	Pass	
R 1158	East AOI-4	24-Jun-11	515/526/527	-	0+65	P	2	2	Pass	
R 1159	East AOI-4	24-Jun-11	527/526/528	-	0+65	P	2	2	Pass	
R 1160	East AOI-4	24-Jun-11	511/512	-	0+47	P	4	3	Pass	DS 243
R 1161	East AOI-4	24-Jun-11	512/513	-	1+15	P	4	2	Pass	DS 244

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EAST PLANT AREA COVER SYSTEM
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Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1162	East AOI-4	24-Jun-11	510/516	-	1+96	P	4	2	Pass	DS 245
R 1163	East AOI-4	24-Jun-11	517/519	-	1+57	P	4	2	Pass	DS 246
R 1164	East AOI-4	24-Jun-11	519/521	-	2+16	P	4	2	Pass	DS 247
R 1165	East AOI-4	24-Jun-11	520/522	-	0+62	P	4	2	Pass	DS 248
R 1166	East AOI-4	24-Jun-11	-	519	LEFT 1+13 10	P	2	2	Pass	
R 1167	East AOI-4	24-Jun-11	529/530/531	-	0+66	P	2	2	Pass	
R 1168	East AOI-4	24-Jun-11	530/531/532	-	0+67	P	2	2	Pass	
R 1169	East AOI-4	24-Jun-11	531/532/533	-	0+88	P	4	3	Pass	
R 1170	East AOI-4	28-Jun-11	522/524/535	-	2+06	B	-	-	Pass	
R 1171	East AOI-4	24-Jun-11	534/536/524	-	2+69	P	3	2	Pass	
R 1172	East AOI-4	24-Jun-11	536/534/535	-	2+19	P	2	2	Pass	
R 1173	East AOI-4	24-Jun-11	536/537/535	-	2+22	P	2	2	Pass	
R 1174	East AOI-4	24-Jun-11	537/536/524	-	2+39	P	3	2	Pass	
R 1175	East AOI-4	25-Jun-11	525/537/524	-	2+22	P	3	3	Pass	
R 1176	East AOI-4	25-Jun-11	525/537/538	-	2+00	P	2	2	Pass	
R 1177	East AOI-4	25-Jun-11	525/538/539	-	1+74	P	2	2	Pass	
R 1178	East AOI-4	25-Jun-11	525/539/541	-	1+54	B	-	-	Pass	
R 1179	East AOI-4	25-Jun-11	525/542/541	-	1+36	B	-	-	Pass	
R 1180	East AOI-4	24-Jun-11	534/535	-	1+65	P	5	4	Pass	
R 1181	East AOI-4	24-Jun-11	534/535	-	0+89	P	4	3	Pass	
R 1182	East AOI-4	24-Jun-11	538/539/540	-	1+12	P	2	2	Pass	
R 1183	East AOI-4	24-Jun-11	539/540/541	-	1+13	P	2	2	Pass	
R 1184	East AOI-4	25-Jun-11	525/542/543	-	1+12	P	2	2	Pass	
R 1185	East AOI-4	25-Jun-11	525/543/545	-	0+92	B	-	-	Pass	
R 1186	East AOI-4	25-Jun-11	543/544/545	-	0+58	P	2	2	Pass	
R 1187	East AOI-4	25-Jun-11	544/545/546	-	0+47	P	2	2	Pass	
R 1188	East AOI-4	24-Jun-11	544/543/542	-	0+59	P	2	2	Pass	
R 1189	East AOI-4	24-Jun-11	537/538	-	0+88	P	2	2	Pass	
R 1190	West AOI-4	28-Jun-11	547/548	-	0+23 - 0+28	B	-	-	Pass	
R 1191	East AOI-4	28-Jun-11	532/533/547	-	1+72	P	3	2	Pass	
R 1192	East AOI-4	28-Jun-11	515/527	-	1+16	P	4	2	Pass	DS 249
R 1193	East AOI-4	28-Jun-11	526/528	-	0+54	P	4	2	Pass	DS 253
R 1194	East AOI-4	28-Jun-11	530/529	-	0+58	P	4	2	Pass	DS 254
R 1195	East AOI-4	28-Jun-11	531/533	-	1+08	P	4	2	Pass	DS 250
R 1196	West AOI-4	28-Jun-11	548/549	-	0+75	P	4	2	Pass	DS 259
R 1197	West AOI-4	28-Jun-11	550/552	-	0+81	P	4	2	Pass	DS 263
R 1198	West AOI-4	28-Jun-11	549/550	-	0+87	P	3	2	Pass	
R 1199	West AOI-4	28-Jun-11	549/550	-	1+20	P	4	2	Pass	
R 1200	West AOI-4	28-Jun-11	549/550	-	1+66	P	4	2	Pass	DS 262
R 1201	West AOI-4	28-Jun-11	550/552/553	-	1+41	P	4	2	Pass	
R 1202	West AOI-4	28-Jun-11	550/552	-	1+26	P	5	3	Pass	
R 1203	West AOI-4	28-Jun-11	550/551/552	-	0+70	P	3	2	Pass	
R 1204	West AOI-4	28-Jun-11	552/553	-	0+07	P	4	2	Pass	DS 260

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Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1205	West AOI-4	28-Jun-11	551/552/559	-	3+37	B	-	-	Pass	
R 1206	West AOI-4	28-Jun-11	557/559/551	-	3+27	B	-	-	Pass	
R 1207	West AOI-4	28-Jun-11	550/551/557	-	3+13	P	2	2	Pass	
R 1208	West AOI-4	28-Jun-11	556/557/550	-	3+08	B	-	-	Pass	
R 1209	West AOI-4	28-Jun-11	556/549/550	-	2+91	B	-	-	Pass	
R 1210	West AOI-4	28-Jun-11	555/556/549	-	2+80	B	-	-	Pass	
R 1211	West AOI-4	28-Jun-11	555/548/549	-	2+69	B	-	-	Pass	
R 1212	West AOI-4	28-Jun-11	554/555/548	-	2+56	B	-	-	Pass	
R 1213	West AOI-4	28-Jun-11	554/547/548	-	2+47	B	-	-	Pass	
R 1214	West AOI-4	28-Jun-11	524/534/554/547	-	2+30	P	4	4	Pass	
R 1215	West AOI-4	28-Jun-11	524/533/547	-	2+23	P	4	4	Pass	
R 1216	West AOI-4	28-Jun-11	555/556	-	1+50	P	4	2	Pass	DS 261
R 1217	West AOI-4	28-Jun-11	556/557	-	0+97	P	3	2	Pass	
R 1218	West AOI-4	28-Jun-11	557/558/559	-	0+90	C	2	2	Pass	
R 1219	West AOI-4	28-Jun-11	558/559	-	0+17	P	2	2	Pass	
R 1220	West AOI-4	28-Jun-11	557/558	-	0+57	P	4	2	Pass	DS 265
R 1221	East AOI-4	28-Jun-11	557/558	-	0+11	P	4	2	Pass	
R 1222	East AOI-4	28-Jun-11	554/555	-	0+79	P	4	2	Pass	DS 264
R 1223	East AOI-4	28-Jun-11	534/535	-	0+26	P	4	2	Pass	DS 255
R 1224	East AOI-4	28-Jun-11	535/537	-	0+75	P	4	2	Pass	DS 251
R 1225	East AOI-4	28-Jun-11	537/538	-	1+30	P	4	2	Pass	DS 256
R 1226	East AOI-4	28-Jun-11	525/539	-	1+44	P	4	2	Pass	DS 258
R 1227	East AOI-4	28-Jun-11	542/541	-	1+24	P	4	2	Pass	DS 257
R 1228	East AOI-4	28-Jun-11	540/541	-	0+50	P	4	2	Pass	DS 252
R 1229	West AOI-4	28-Jun-11	549/550	-	0+08	P	4	3	Pass	
R 1230	West AOI-4	28-Jun-11	550/553/560	-	2+03	P	4	3	Pass	
R 1231	West AOI-4	29-Jun-11	562/564/563	-	2+22	C	5	3	Pass	
R 1232	West AOI-4	28-Jun-11	556/557	-	1+50	P	2	2	Pass	
R 1233	West AOI-4	29-Jun-11	562/564	-	2+29	P	2	2	Pass	
R 1234	West AOI-4	29-Jun-11	562/563	-	2+07	P	4	4	Pass	
R 1235	West AOI-4	29-Jun-11	563/564/565	-	2+26	C	3	1	Pass	
R 1236	West AOI-4	29-Jun-11	562/563	-	1+52	P	4	2	Pass	DS 269
R 1237	West AOI-4	29-Jun-11	561/562	-	1+66	P	4	2	Pass	DS 268
R 1238	West AOI-4	29-Jun-11	560/561	-	1+76	P	4	2	Pass	DS 267
R 1239	West AOI-4	29-Jun-11	553/560	-	1+63	P	4	2	Pass	DS 266
R 1240	West AOI-4	29-Jun-11	565/566/567	-	1+44	C	2	2	Pass	
R 1241	West AOI-4	29-Jun-11	568/566/567	-	1+44	C	2	2	Pass	
R 1242	West AOI-4	29-Jun-11	569/570	-	1+57	P	4	3	Pass	
R 1243	West AOI-4	28-Mar-72	570/571	-	1+33	P	4	2	Pass	
R 1244	West AOI-4	28-Mar-72	567/568	-	1+32	P	7	3	Pass	
R 1245	West AOI-4	28-Mar-72	558/573	-	0+8	P	11	4	Pass	
R 1246	West AOI-4	28-Mar-72	558/573	-	0+19	P	3	3	Pass	
R 1247	West AOI-4	28-Mar-72	568/559/573	-	0+91	C	3	2	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1248	West AOI-4	30-Jun-11	552/559/573	-	3+50	P	6	3	Pass	
R 1249	West AOI-4	15-Jul-11	-	574	0+57	B	6	6	Pass	
R 1250	West AOI-4	29-Jun-11	574/575	-	0+55	P	5	3	Pass	
R 1251	West AOI-4	29-Jun-11	573/574	-	1+00	P	4	2	Pass	
R 1252	West AOI-4	30-Jun-11	-	576/L4	1+24	P	2	2	Pass	
R 1253	West AOI-4	15-Jul-11	-	574/L5	0+03	B	6	6	Pass	
R 1254	West AOI-4	29-Jun-11	573/574	-	0+05	P	7	2	Pass	
R 1255	West AOI-4	29-Jun-11	574/575	-	0+50	P	2	2	Pass	
R 1256	West AOI-4	30-Jun-11	571/572/583	-	0+70	C	4	2	Pass	
R 1257	West AOI-4	30-Jun-11	572/582/583	-	0+68	C	2	2	Pass	
R 1258	West AOI-4	30-Jun-11	552/553/573	-	3+60	B	-	-	Pass	
R 1259	West AOI-4	30-Jun-11	553/573/574	-	3+73	B	-	-	Pass	
R 1260	West AOI-4	30-Jun-11	553/560/574	-	3+82	B	-	-	Pass	
R 1261	West AOI-4	30-Jun-11	560/574/575	-	3+95	B	-	-	Pass	
R 1262	West AOI-4	30-Jun-11	560/561/575	-	4+04	B	-	-	Pass	
R 1263	West AOI-4	30-Jun-11	561/575/576	-	4+17	B	-	-	Pass	
R 1264	West AOI-4	30-Jun-11	561/576	-	4+21	P	4	2	Pass	
R 1265	West AOI-4	30-Jun-11	561/562/576	-	4+27	B	-	-	Pass	
R 1266	West AOI-4	30-Jun-11	-	562	0+04 R10	P	2	2	Pass	
R 1267	West AOI-4	30-Jun-11	562/576/577	-	4+41	B	-	-	Pass	
R 1268	West AOI-4	30-Jun-11	562/563/577	-	4+49	B	-	-	Pass	
R 1269	West AOI-4	30-Jun-11	563/577/578	-	4+63	B	-	-	Pass	
R 1270	West AOI-4	30-Jun-11	563/565/578	-	4+71	B	-	-	Pass	
R 1271	West AOI-4	30-Jun-11	565/578/579	-	4+86	B	-	-	Pass	
R 1272	West AOI-4	30-Jun-11	565/567/579	-	4+94	B	-	-	Pass	
R 1273	West AOI-4	30-Jun-11	567/579/580	-	5+09	B	-	-	Pass	
R 1274	West AOI-4	30-Jun-11	567/568/580	-	5+16	B	-	-	Pass	
R 1275	West AOI-4	30-Jun-11	568/580/581	-	5+33	P	8	2	Pass	
R 1276	West AOI-4	30-Jun-11	568/581/569	-	5+39	P	8	2	Pass	
R 1277	West AOI-4	30-Jun-11	577/578	-	1+00	P	4	2	Pass	DS 276
R 1278	West AOI-4	30-Jun-11	578/579	-	0+44	P	4	2	Pass	DS 277
R 1279	West AOI-4	30-Jun-11	582/583	-	0+39	P	4	2	Pass	DS 278
R 1280	West AOI-4	30-Jun-11	568/569	-	1+51	P	4	2	Pass	DS 272
R 1281	West AOI-4	30-Jun-11	567/568	-	0+90	P	5	2	Pass	DS 271
R 1282	West AOI-4	30-Jun-11	565/566	-	1+68	P	5	2	Pass	DS 270
R 1283	West AOI-4	30-Jun-11	573/553	-	-	P	5	2	Pass	DS 279
R 1284	West AOI-4	30-Jun-11	559/573	-	1+46	P	5	2	Pass	DS 273
R 1285	West AOI-4	30-Jun-11	573/574	-	1+20	P	5	2	Pass	DS 274
R 1286	West AOI-4	30-Jun-11	576/577	-	0+70	P	4	2	Pass	DS 275
R 1287	East AOI-4	6-Jul-11	-	511	-	P	1.5	1.5	Pass	
R 1288	EAOI-10	6-Jul-11	-	98	-	P	2	1	Pass	
R 1289	East AOI-4	7-Jul-11	99/502/585	-	0+01	B	-	-	Pass	
R 1290	East AOI-4	7-Jul-11	502/585/586	-	0+18	B	-	-	Pass	

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EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1291	East AOI-4	7-Jul-11	586/511/512	-	0+54	B	-	-	Pass	
R 1292	East AOI-4	7-Jul-11	586/512/513	-	0+77	B	-	-	Pass	
R 1293	East AOI-4	7-Jul-11	586/587/513	-	0+99	B	-	-	Pass	
R 1294	East AOI-4	7-Jul-11	513/515/587	-	1+00	B	-	-	Pass	
R 1295	East AOI-4	7-Jul-11	587/515/527	-	1+25	B	-	-	Pass	
R 1296	East AOI-4	7-Jul-11	587/527/528	-	1+48	B	-	-	Pass	
R 1297	East AOI-4	7-Jul-11	587/528/529	-	1+72	B	-	-	Pass	
R 1298	East AOI-4	7-Jul-11	587/529/531	-	1+95	B	-	-	Pass	
R 1299	East AOI-4	7-Jul-11	531/587/588	-	2+08	B	-	-	Pass	
R 1300	East AOI-4	7-Jul-11	588/531/547	-	2+19	B	-	-	Pass	
R 1301	East AOI-4	7-Jul-11	588/547/548	-	2+42	B	-	-	Pass	
R 1302	East AOI-4	7-Jul-11	588/548/549	-	2+67	B	-	-	Pass	
R 1303	East AOI-4	7-Jul-11	588/549/550	-	2+91	B	-	-	Pass	
R 1304	East AOI-4	7-Jul-11	590/466/465	-	0+24	B	-	-	Pass	
R 1305	East AOI-4	7-Jul-11	465/589/590	-	0+21	B	-	-	Pass	
R 1306	East AOI-4	7-Jul-11	588/589/590	-	2+76	B	-	-	Pass	
R 1307	East AOI-4	7-Jul-11	588/465/589/463	-	2+56/0+00	B	-	-	Pass	
R 1308	East AOI-4	7-Jul-11	588/463/462	-	2+33	B	-	-	Pass	
R 1309	East AOI-4	7-Jul-11	588/461/462	-	2+11	B	-	-	Pass	
R 1310	East AOI-4	7-Jul-11	588/587/461	-	1+98	B	-	-	Pass	
R 1311	East AOI-4	7-Jul-11	587/460/461	-	1+87	B	-	-	Pass	
R 1312	East AOI-4	7-Jul-11	587/459/460	-	1+72	B	-	-	Pass	
R 1313	East AOI-4	7-Jul-11	587/458/459	-	1+50	B	-	-	Pass	
R 1314	East AOI-4	7-Jul-11	587/457/458	-	1+29	B	-	-	Pass	
R 1315	East AOI-4	8-Jul-11	587/456/457	-	1+07	B	-	-	Pass	
R 1316	East AOI-4	8-Jul-11	456/586/587	-	0+92	B	-	-	Pass	
R 1317	East AOI-4	8-Jul-11	455/456/586	-	0+82	B	-	-	Pass	
R 1318	East AOI-4	8-Jul-11	586/454/455	-	0+60	B	-	-	Pass	
R 1319	East AOI-4	8-Jul-11	454/453/586	-	0+50	B	-	-	Pass	
R 1320	East AOI-4	8-Jul-11	586/453/452	-	0+27	B	-	-	Pass	
R 1321	East AOI-4	8-Jul-11	585/586/452	-	0+16	B	-	-	Pass	
R 1322	East AOI-4	8-Jul-11	585/452/99	-	0+04	B	-	-	Pass	
R 1323	East AOI-4	8-Jul-11	588/548	-	2+64	P	4	2	Pass	DS 280
R 1324	East AOI-4	8-Jul-11	586/587	-	0+00-0+22	P	22	3	Pass	DS 281
R 1325	East AOI-4	8-Jul-11	586/587/513/515	-	0+87-1+09	P	22	3	Pass	DS 281A & DS 281B
R 1326	West AOI-4	12-Jul-11	564/565/594/593	-	3+40	P	3	2	Pass	
R 1327	West AOI-4	12-Jul-11	565/593/594	-	3+31	P	3	2	Pass	
R 1328	West AOI-4	12-Jul-11	565/566/593	-	2+90	P	2	2	Pass	
R 1329	West AOI-4	12-Jul-11	568/591	-	2+20	P	4	2	Pass	
R 1330	West AOI-4	12-Jul-11	566/593	-	2+49	B	-	-	Pass	
R 1331	West AOI-4	12-Jul-11	566/568/591	-	2+44	B	-	-	Pass	
R 1332	West AOI-4	12-Jul-11	568/569/591	-	2+03	B	-	-	Pass	
R 1333	West AOI-4	12-Jul-11	569/570/591	-	1+63	B	-	-	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
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EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1334	West AOI-4	12-Jul-11	571/570/591	-	1+27	B	-	-	Pass	
R 1335	West AOI-4	12-Jul-11	571/591	-	1+15	P	4	2	Pass	
R 1336	West AOI-4	12-Jul-11	571/572/591	-	0+95	P	2	2	Pass	
R 1337	West AOI-4	12-Jul-11	572/591/592	-	0+78	P	2	2	Pass	
R 1338	West AOI-4	12-Jul-11	572/583/592	-	0+61	B	-	-	Pass	
R 1339	West AOI-4	12-Jul-11	583/584/592	-	0+41	B	-	-	Pass	
R 1340	West AOI-4	12-Jul-11	566/593	-	2+55	P	4	2	Pass	DS 282
R 1341	West AOI-4	12-Jul-11	591/593	-	1+71	P	5	2	Pass	DS 283
R 1342	West AOI-4	12-Jul-11	593/594	-	2+32	P	4	2	Pass	DS 284
R 1343	West AOI-4	12-Jul-11	594/595	-	1+42	P	5	2	Pass	DS 285
R 1344	West AOI-4	12-Jul-11	595/596	-	2+50	P	4	2	Pass	DS 286
R 1345	West AOI-4	12-Jul-11	596/597	-	1+61	P	4	2	Pass	DS 287
R 1346	West AOI-4	12-Jul-11	597/598	-	2+90	P	4	2	Pass	DS 288
R 1347	West AOI-4	12-Jul-11	598/599	-	2+00	P	5	2	Pass	DS 289
R 1348	West AOI-4	12-Jul-11	599/600	-	2+02	P	5	2	Pass	DS 290
R 1349	West AOI-4	12-Jul-11	591/593	-	1+03	P	6	3	Pass	
R 1350	West AOI-4	12-Jul-11	593/594	-	2+15	P	6	2	Pass	
R 1351	West AOI-4	12-Jul-11	594/595	-	2+12	P	5	2	Pass	
R 1352	West AOI-4	12-Jul-11	595/596	-	2+80	P	7	3	Pass	
R 1353	West AOI-4	12-Jul-11	596/597	-	2+02	P	4	2	Pass	
R 1354	West AOI-4	12-Jul-11	597/598	-	1+91	P	14	3	Pass	
R 1355	West AOI-4	12-Jul-11	598/599	-	1+78	P	9	4	Pass	
R 1356	West AOI-4	12-Jul-11	597/598	-	2+72	P	6	2	Pass	
R 1357	West AOI-4	12-Jul-11	599/600	-	1+60	P	4	2	Pass	
R 1358	West AOI-4	12-Jul-11	599/600	-	0+38	P	8	2	Pass	
R 1359	West AOI-4	12-Jul-11	594/595	-	3+22	P	2	2	Pass	
R 1360	West AOI-4	14-Jul-11	604/476/475/646	-	1+73	B	-	-	Pass	
R 1361	West AOI-4	14-Jul-11	604/475/474	-	1+51	B	-	-	Pass	
R 1362	West AOI-4	14-Jul-11	604/474/473	-	1+29	B	-	-	Pass	
R 1363	West AOI-4	14-Jul-11	604/473/472	-	1+07	B	-	-	Pass	
R 1364	West AOI-4	14-Jul-11	602/604/472/471	-	0+83	B	-	-	Pass	
R 1365	West AOI-4	14-Jul-11	602/471/470	-	0+61	B	-	-	Pass	
R 1366	West AOI-4	14-Jul-11	602/470/469	-	0+51	B	-	-	Pass	
R 1367	West AOI-4	14-Jul-11	602/469/468	-	0+28	B	-	-	Pass	
R 1368	West AOI-4	14-Jul-11	602/468/466	-	0+06	B	-	-	Pass	
R 1369	West AOI-4	14-Jul-11	602/590/466	-	0+00	B	-	-	Pass	
R 1370	West AOI-4	14-Jul-11	588/590/602	-	0+10	B	-	-	Pass	
R 1371	West AOI-4	14-Jul-11	601/602/588	-	0+24	B	-	-	Pass	
R 1372	West AOI-4	14-Jul-11	601/550/588	-	0+30	B	-	-	Pass	
R 1373	West AOI-4	14-Jul-11	560/550/601	-	0+34	P	2	2	Pass	
R 1374	West AOI-4	14-Jul-11	561/560/601	-	0+20	B	-	-	Pass	
R 1375	West AOI-4	14-Jul-11	562/561/601	-	0+45	B	-	-	Pass	
R 1376	West AOI-4	14-Jul-11	562/603/601	-	0+49	C	2	2	Pass	

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BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1377	West AOI-4	14-Jul-11	564/562/603	-	0+69	B	-	-	Pass	
R 1378	West AOI-4	14-Jul-11	603/601/602	-	0+50	C	2	2	Pass	
R 1379	West AOI-4	14-Jul-11	605/564/603	-	0+82	P	2	2	Pass	
R 1380	West AOI-4	14-Jul-11	594/564/605	-	0+05	P	2	2	Pass	
R 1381	West AOI-4	14-Jul-11	603/605/604/602	-	0+92	C	3	3	Pass	
R 1382	West AOI-4	14-Jul-11	598/594/605	-	0+21	P	2	2	Pass	
R 1383	West AOI-4	14-Jul-11	596/595/605	-	0+43	B	-	-	Pass	
R 1384	West AOI-4	14-Jul-11	596/606/605	-	0+53	B	-	-	Pass	
R 1385	West AOI-4	14-Jul-11	606/605/604	-	1+32	C	2	2	Pass	
R 1386	West AOI-4	14-Jul-11	597/604/606	-	0+77	P	3	3	Pass	
R 1387	West AOI-4	14-Jul-11	598/597/604	-	1+65	P	2	2	Pass	
R 1388	West AOI-4	14-Jul-11	597/596/606	-	0+66	B	-	-	Pass	
R 1389	West AOI-4	14-Jul-11	594/605	-	0+11	P	4	2	Pass	DS 291
R 1390	West AOI-4	14-Jul-11	605/604	-	1+25	P	4	2	Pass	DS 292
R 1391	West AOI-4	14-Jul-11	604/474	-	0+90	P	4	2	Pass	DS 293
R 1392	West AOI-4	19-Jul-11	-	475	0+00	P	15	4	Pass	
R 1393	West AOI-4	19-Jul-11	475/474	-	0+00-0+18	P	18	3	Pass	
R 1394	West AOI-4	19-Jul-11	-	469	0+00-0+15	P	15	3	Pass	
R 1395	West AOI-4	19-Jul-11	-	467	0+00-0+15	P	15	3	Pass	
R 1396	West AOI-4	19-Jul-11	464/465	-	0+00-0+17	P	17	3	Pass	
R 1397	West AOI-4	2-Sep-11	598/607	-	0+51	P	7	2	Pass	
R 1398	West AOI-4	31-Aug-11	598/607	-	0+14	P	4	2	Pass	
R 1399	West AOI-4	31-Aug-11	598/607/599	-	0+0	P	4	2	Pass	
R 1400	West AOI-4	31-Aug-11	607/608/599/600	-	0+0	P	2	2	Pass	
R 1401	West AOI-4	31-Aug-11	600/609/608	-	2+25	P	7	2	Pass	
R 1402	West AOI-4	31-Aug-11	608/609	-	0+19	P	5	2	Pass	
R 1403	West AOI-4	31-Aug-11	609/611/610	-	2+08	P	2	2	Pass	
R 1404	West AOI-4	31-Aug-11	611/612	-	2+35	P	7	2	Pass	
R 1405	West AOI-4	31-Aug-11	611/612	-	2+04	P	2	2	Pass	
R 1406	West AOI-4	31-Aug-11	612/614/615	-	1+26	P	2	2	Pass	
R 1407	West AOI-4	31-Aug-11	612/614	-	2+27	P	4	2	Pass	
R 1408	West AOI-4	31-Aug-11	614/616/615	-	1+45	P	2	2	Pass	
R 1409	West AOI-4	31-Aug-11	616/615/617	-	1+88	P	2	2	Pass	
R 1410	West AOI-4	31-Aug-11	614/613/615	-	1+28	P	2	2	Pass	
R 1411	West AOI-4	31-Aug-11	613/615	-	1+21	P	2	2	Pass	
R 1412	West AOI-4	31-Aug-11	616/617	-	1+00	P	9	2	Pass	
R 1413	West AOI-4	31-Aug-11	617/618	-	2+90	P	4	2	Pass	
R 1414	West AOI-4	31-Aug-11	618/620	-	2+85	P	4	2	Pass	
R 1415	West AOI-4	31-Aug-11	617/618	-	0+13	B	2	2	Pass	
R 1416	West AOI-4	31-Aug-11	618/619	-	0+49	P	3	2	Pass	
R 1417	West AOI-4	1-Sep-11	-	619	1+05	B	8	8	Pass	
R 1418	West AOI-4	31-Aug-11	618/620/619	-	1+24	P	2	2	Pass	
R 1419	West AOI-4	31-Aug-11	620/619/621	-	0+23	P	2	2	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1420	West AOI-4	31-Aug-11	620/621	-	1+85	P	4	2	Pass	
R 1421	West AOI-4	31-Aug-11	611/612	-	2+63	P	4	2	Pass	DS 294
R 1422	West AOI-4	31-Aug-11	612/614	-	2+72	P	4	2	Pass	DS 295
R 1423	West AOI-4	31-Aug-11	610/612	-	1+25	P	4	2	Pass	DS 296
R 1424	West AOI-4	31-Aug-11	612/613	-	0+88	P	4	2	Pass	DS 297
R 1425	West AOI-4	31-Aug-11	614/616	-	1+85	P	4	2	Pass	DS 298
R 1426	West AOI-4	31-Aug-11	616/617	-	1+94	P	4	2	Pass	DS 299
R 1427	West AOI-4	31-Aug-11	617/618	-	3+00	P	4	2	Pass	DS 300
R 1428	West AOI-4	31-Aug-11	613/615	-	0+90	P	4	2	Pass	DS 301
R 1429	West AOI-4	31-Aug-11	618/620	-	2+30	P	4	2	Pass	DS 302
R 1430	West AOI-4	31-Aug-11	621/623	-	0+03	P	2	2	Pass	
R 1431	West AOI-4	1-Sep-11	621/623	-	0+48	B	4	4	Pass	
R 1432	West AOI-4	31-Aug-11	621/623	-	1+45	P	4	2	Pass	
R 1433	West AOI-4	31-Aug-11	623/624	-	1+58	P	2	2	Pass	
R 1434	West AOI-4	1-Sep-11	-	624/L8	0+91	B	6	6	Pass	
R 1435	West AOI-4	31-Aug-11	623/624	-	0+72	P	4	2	Pass	
R 1436	Detention Basin 1	1-Sep-11	-	629/R1	0+12	B	9	12	Pass	
R 1437	Detention Basin 1	31-Aug-11	615/628/629	-	0+00	P	2	2	Pass	
R 1438	Detention Basin 1	31-Aug-11	615/627/628	-	0+0	P	2	2	Pass	
R 1439	Detention Basin 1	31-Aug-11	626/627	-	0+85	P	4	2	Pass	DS 305
R 1440	Detention Basin 1	31-Aug-11	626/627/630	-	1+51	P	4	2	Pass	
R 1441	Detention Basin 1	31-Aug-11	628/627/630	-	1+60	P	2	2	Pass	
R 1442	Detention Basin 1	31-Aug-11	-	628	1+85	B	8	8	Pass	
R 1443	Detention Basin 1	31-Aug-11	-	628	1+29	B	8	8	Pass	
R 1444	Detention Basin 1	31-Aug-11	-	627	0+92	B	3	3	Pass	
R 1445	West AOI-4	31-Aug-11	621/623	-	1+24	P	5	2	Pass	DS 303
R 1446	West AOI-4	31-Aug-11	623/624	-	0+85	P	4	2	Pass	DS 304
R 1447	Detention Basin 1	31-Aug-11	-	628	1+05	B	4	3	Pass	
R 1448	Detention Basin 1	31-Aug-11	628/627	-	0+61	P	4	2	Pass	DS 306
R 1449	Detention Basin 1	31-Aug-11	-	628	0+58	B	4	4	Pass	
R 1450	Detention Basin 1	31-Aug-11	600/609/631	-	0+91	P	3	3	Pass	
R 1451	Detention Basin 1	31-Aug-11	632/631/629	-	0+60	P	2	2	Pass	
R 1452	Detention Basin 1	31-Aug-11	599/632/631	-	0+12	P	3	2	Pass	
R 1453	Detention Basin 1	31-Aug-11	632/629	-	0+88	P	4	2	Pass	DS 308
R 1454	Detention Basin 1	31-Aug-11	628/629	-	0+44	P	4	2	Pass	DS 307
R 1455	Detention Basin 1	31-Aug-11	612/613/629	-	0+23	P	2	2	Pass	
R 1456	Detention Basin 1	31-Aug-11	610/612/629	-	0+46	P	2	2	Pass	
R 1457	Detention Basin 1	31-Aug-11	610/629/631	-	0+56	P	3	2	Pass	
R 1458	Detention Basin 1	31-Aug-11	631/609/610	-	0+68	P	2	2	Pass	
R 1459	Detention Basin 1	31-Aug-11	600/631	-	0+99	P	5	2	Pass	
R 1460	Detention Basin 1	31-Aug-11	599/600/631	-	1+11	P	3	2	Pass	
R 1461	Detention Basin 1	31-Aug-11	598/599/629	-	1+43	P	4	2	Pass	
R 1462	Detention Basin 1	31-Aug-11	597/558/632	-	1+67	P	2	2	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
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GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1463	Detention Basin 1	31-Aug-11	597/633/632	-	1+77	P	2	2	Pass	
R 1464	Detention Basin 1	31-Aug-11	633/632/629	-	1+14	P	2	2	Pass	
R 1465	Detention Basin 1	31-Aug-11	596/597/633	-	1+90	P	2	2	Pass	
R 1466	Detention Basin 1	31-Aug-11	597/633	-	1+81	P	2	2	Pass	
R 1467	Detention Basin 1	1-Sep-11	635/636	-	0+12	P	4	2	Pass	DS 309
R 1468	Detention Basin 1	1-Sep-11	639/634	-	1+50	P	4	2	Pass	DS 310
R 1469	Detention Basin 1	1-Sep-11	641/640	-	0+75	P	4	2	Pass	DS 311
R 1470	Detention Basin 1	1-Sep-11	642/641	-	1+16	P	4	2	Pass	DS 312
R 1471	Detention Basin 1	1-Sep-11	645/644	-	0+18	P	4	2	Pass	DS 313
R 1472	Detention Basin 1	1-Sep-11	629/641	-	0+88	P	4	2	Pass	DS 314
R 1473	Detention Basin 1	1-Sep-11	596/642/633	-	0+0	P	7	4	Pass	
R 1474	Detention Basin 1	1-Sep-11	629/628/641/640	-	0+76	DBL T	-	-	Pass	
R 1475	Detention Basin 1	1-Sep-11	628/630/640	-	0+55	T	-	-	Pass	
R 1476	Detention Basin 1	1-Sep-11	630/639/640	-	0+53	T	-	-	Pass	
R 1477	Detention Basin 1	1-Sep-11	630/626/639	-	0+27	T	-	-	Pass	
R 1478	Detention Basin 1	1-Sep-11	626/634/639	-	1+72	T	-	-	Pass	
R 1479	Detention Basin 1	1-Sep-11	-	639	0+18	P	2	2	Pass	
R 1480	Detention Basin 1	1-Sep-11	595/596/642	-	0+7	P	4	2	Pass	
R 1481	Detention Basin 1	1-Sep-11	594/595/642	-	0+33	T	-	-	Pass	
R 1482	Detention Basin 1	1-Sep-11	593/594/643/642	-	0+55	P	3	2	Pass	
R 1483	Detention Basin 1	1-Sep-11	643/644/642	-	0+26	P	3	2	Pass	
R 1484	Detention Basin 1	1-Sep-11	591/593/643	-	0+78	P	2	2	Pass	
R 1485	Detention Basin 1	1-Sep-11	645/591/644/643	-	0+88	P	9	2	Pass	
R 1486	Detention Basin 1	1-Sep-11	592/591/645	-	0+99	P	2	2	Pass	
R 1487	Detention Basin 1	1-Sep-11	584/592/645	-	1+14	P	5	2	Pass	
R 1488	Detention Basin 1	1-Sep-11	584/645	-	1+35	P	5	2	Pass	
R 1489	Detention Basin 1	1-Sep-11	-	628	1+27	P	2	2	Pass	
R 1490	West AOI-4	2-Sep-11	621/623/647	-	2+52	B	-	-	Pass	
R 1491	West AOI-4	2-Sep-11	647/621/620	-	2+30	P	3	2	Pass	
R 1492	West AOI-4	2-Sep-11	647/649/651	-	2+09	P	4	2	Pass	
R 1493	West AOI-4	2-Sep-11	652/651/649	-	1+03-EOS	P	8	2	Pass	
R 1494	West AOI-4	2-Sep-11	620/618/647	-	2+06	B	-	-	Pass	
R 1495	West AOI-4	2-Sep-11	618/617/647	-	1+82	B	-	-	Pass	
R 1496	West AOI-4	2-Sep-11	617/616/647	-	1+55	P	12	4	Pass	
R 1497	West AOI-4	2-Sep-11	616/614/647	-	1+35	T	-	-	Pass	
R 1498	West AOI-4	2-Sep-11	614/612/647	-	1+11	T	4	2	Pass	
R 1499	West AOI-4	2-Sep-11	612/647/646	-	1+07	P	4	2	Pass	
R 1500	West AOI-4	2-Sep-11	612/611/646	-	0+89	T	-	-	Pass	
R 1501	West AOI-4	2-Sep-11	611/609/646	-	0+66	T	-	-	Pass	
R 1502	West AOI-4	2-Sep-11	609/608/646	-	0+45	T	-	-	Pass	
R 1503	West AOI-4	2-Sep-11	608/607/646	-	0+27	P	2	2	Pass	
R 1504	West AOI-4	2-Sep-11	676/646/648	-	0+00	P	3	3	Pass	
R 1505	West AOI-4	2-Sep-11	648/476/477	-	0+20	B	-	-	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
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EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1506	West AOI-4	2-Sep-11	648/478/479	-	0+66	B	-	-	Pass	
R 1507	West AOI-4	2-Sep-11	648/479/480	-	0+88	B	-	-	Pass	
R 1508	West AOI-4	2-Sep-11	480/648/649	-	0+23	P	3	2	Pass	
R 1509	West AOI-4	2-Sep-11	648/646/649/647	-	0+85	P	5	2	Pass	
R 1510	West AOI-4	2-Sep-11	648/649	-	0+8	P	2	2	Pass	
R 1511	West AOI-4	2-Sep-11	649/481/480	-	1+11	B	-	-	Pass	
R 1512	West AOI-4	2-Sep-11	649/483/481	-	1+17	B	-	-	Pass	
R 1513	West AOI-4	2-Sep-11	650/483/482	-	1+37	B	-	-	Pass	
R 1514	West AOI-4	2-Sep-11	650/484/483	-	1+60	B	-	-	Pass	
R 1515	West AOI-4	2-Sep-11	650/649/482	-	1+21	B	-	-	Pass	
R 1516	West AOI-4	2-Sep-11	650/485/484	-	1+83	B	-	-	Pass	
R 1517	West AOI-4	2-Sep-11	649/650/652	-	0+77	P	4	3	Pass	
R 1518	West AOI-4	2-Sep-11	652/486/485/653	-	2+06	DBL T	-	-	Pass	
R 1519	West AOI-4	2-Sep-11	612/646	-	0+92	P	4	2	Pass	DS 315
R 1520	West AOI-4	2-Sep-11	647/649	-	1+24	P	4	2	Pass	DS 316
R 1521	West AOI-4	2-Sep-11	648/477	-	0+35	P	4	2	Pass	DS 317
R 1522	West AOI-4	2-Sep-11	649/650	-	0+65	P	2	2	Pass	
R 1523	West AOI-4	2-Sep-11	650/485	-	1+94	P	1	1	Pass	
R 1524	West AOI-4	2-Sep-11	650/652/485	-	2+00	B	-	-	Pass	
R 1525	West AOI-4	2-Sep-11	653/486/487	-	2+29	B	-	-	Pass	
R 1526	Detention Basin 2	7-Sep-11	637/628/663	-	0+15	P	5	2	Pass	
R 1527	Detention Basin 2	7-Sep-11	636/637/663	-	0+32	B	-	-	Pass	
R 1528	Detention Basin 2	7-Sep-11	636/662/663	-	0+34	B	-	-	Pass	
R 1529	Detention Basin 2	7-Sep-11	635/662/636	-	0+53	B	-	-	Pass	
R 1530	Detention Basin 2	7-Sep-11	634/635/662	-	0+78	B	-	-	Pass	
R 1531	Detention Basin 2	7-Sep-11	634/660/662	-	0+85	B	-	-	Pass	
R 1532	Detention Basin 2	7-Sep-11	635/634/660	-	1+03	B	-	-	Pass	
R 1533	Detention Basin 2	7-Sep-11	629/659/660	-	1+20	B	-	-	Pass	
R 1534	Detention Basin 2	7-Sep-11	640/639/659	-	1+28	B	-	-	Pass	
R 1535	Detention Basin 2	7-Sep-11	657/641/659/640	-	1+53	DBL T	-	-	Pass	
R 1536	Detention Basin 2	6-Sep-11	642/641/656/657	-	1+82	P	9	4	Pass	
R 1537	Detention Basin 2	7-Sep-11	644/642/656	-	2+06	B	-	-	Pass	
R 1538	Detention Basin 2	7-Sep-11	644/654/656	-	2+11	B	-	-	Pass	
R 1539	Detention Basin 2	7-Sep-11	655/654/644	-	2+37	B	-	-	Pass	
R 1540	Detention Basin 2	7-Sep-11	645/655	-	0+06	P	6	4	Pass	
R 1541	Detention Basin 2	7-Sep-11	663/664/662	-	1+28	P	2	2	Pass	
R 1542	Detention Basin 2	7-Sep-11	-	664	1+32 L12	P	2	2	Pass	
R 1543	Detention Basin 2	7-Sep-11	-	664	1+38 L12	P	2	2	Pass	
R 1544	Detention Basin 2	7-Sep-11	-	664	1+44 L12	P	2	2	Pass	
R 1545	Detention Basin 2	7-Sep-11	-	664	1+49 L12	P	2	2	Pass	
R 1546	Detention Basin 2	7-Sep-11	-	664	1+55 L12	P	2	2	Pass	
R 1547	Detention Basin 2	7-Sep-11	-	664	1+60 L12	P	2	2	Pass	
R 1548	Detention Basin 2	7-Sep-11	-	664	1+65 L12	P	2	2	Pass	

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EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1549	Detention Basin 2	7-Sep-11	663/664	-	0+47	P	2	2	Pass	
R 1550	Detention Basin 2	7-Sep-11	666/668/665	-	0+59	P	2	2	Pass	
R 1551	Detention Basin 2	7-Sep-11	667/665/664	-	1+89	P	3	2	Pass	
R 1552	Detention Basin 2	7-Sep-11	665/667	-	1+13	P	3	2	Pass	
R 1553	Detention Basin 2	7-Sep-11	668/667/665	-	1+13	P	3	2	Pass	
R 1554	Detention Basin 2	7-Sep-11	670/669/668	-	0+47	P	2	2	Pass	
R 1555	Detention Basin 2	7-Sep-11	673/670/668	-	1+63	P	2	2	Pass	
R 1556	Detention Basin 2	7-Sep-11	672/670/673	-	0+49	P	2	2	Pass	
R 1557	Detention Basin 2	7-Sep-11	672/671/670	-	0	P	2	2	Pass	
R 1558	Detention Basin 2	7-Sep-11	-	661	3+20 L2	B	2	2	Pass	
R 1559	Detention Basin 2	7-Sep-11	661/662/660	-	2+75	P	2	2	Pass	
R 1560	Detention Basin 2	7-Sep-11	664/661/662	-	3+19	P	2	2	Pass	
R 1561	Detention Basin 2	7-Sep-11	659/658/657	-	1+96	P	2	2	Pass	
R 1562	Detention Basin 2	7-Sep-11	658/657/656	-	1+75	P	2	2	Pass	
R 1563	Detention Basin 2	7-Sep-11	657/656	-	0+95	P	2	2	Pass	
R 1564	Detention Basin 2	7-Sep-11	654/656	-	0+44	P	4	2	Pass	DS 318
R 1565	Detention Basin 2	7-Sep-11	657/656	-	1+35	P	4	2	Pass	DS 319
R 1566	Detention Basin 2	7-Sep-11	658/659	-	2+50	P	4	2	Pass	DS 320
R 1567	Detention Basin 2	7-Sep-11	660/659	-	2+20	P	4	2	Pass	DS 321
R 1568	Detention Basin 2	7-Sep-11	661/660	-	3+48	P	4	2	Pass	DS 322
R 1569	Detention Basin 2	7-Sep-11	664/662	-	2+70	P	4	2	Pass	DS 323
R 1570	Detention Basin 2	7-Sep-11	663/664	-	1+28 R8	P	4	2	Pass	DS 324
R 1571	Detention Basin 2	7-Sep-11	665/664	-	1+21	P	4	2	Pass	DS 325
R 1572	Detention Basin 2	7-Sep-11	668/667	-	1+96	P	4	2	Pass	DS 326
R 1573	Detention Basin 2	7-Sep-11	668/670	-	1+08	P	4	-	Pass	DS 327
R 1574	Detention Basin 2	7-Sep-11	583/584/655	-	0+25	B	-	-	Pass	
R 1575	Detention Basin 2	7-Sep-11	583/655/654	-	0+44	P	3	2	Pass	
R 1576	Detention Basin 2	7-Sep-11	582/583/655	-	0+47	B	-	-	Pass	
R 1577	Detention Basin 2	7-Sep-11	-	582	0+64	P	1	1	Pass	
R 1578	Detention Basin 2	7-Sep-11	571/592/654	-	0+70	P	3	2	Pass	
R 1579	Detention Basin 2	7-Sep-11	570/571/654	-	0+94	B	-	-	Pass	
R 1580	Detention Basin 2	7-Sep-11	569/570/654	-	1+17	B	-	-	Pass	
R 1581	Detention Basin 2	7-Sep-11	580/581/569/654	-	1+40	P	4	2	Pass	
R 1582	Detention Basin 2	7-Sep-11	579/580/654	-	1+63	B	-	-	Pass	
R 1583	Detention Basin 2	7-Sep-11	578/579/654	-	1+86	B	-	-	Pass	
R 1584	Detention Basin 2	7-Sep-11	577/578/654	-	2+09	B	-	-	Pass	
R 1585	Detention Basin 2	7-Sep-11	576/577/654	-	2+31	B	-	-	Pass	
R 1586	Detention Basin 2	7-Sep-11	575/576/654	-	2+54	B	-	-	Pass	
R 1587	Detention Basin 2	7-Sep-11	-	671	0+38	P	1	1	Pass	
R 1588	Detention Basin 2	7-Sep-11	569/654	-	1+23	P	4	2	Pass	DS 328
R 1589	Detention Basin 5	15-Sep-11	684/685	-	1+76	B	4	4	Pass	
R 1590	Detention Basin 5	14-Sep-11	-	684	1+30	B	9	4	Pass	
R 1591	Detention Basin 5	15-Sep-11	546/685/686	-	0+16	P	2	2	Pass	

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Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1592	Detention Basin 5	15-Sep-11	546/684/685	-	0+38	P	2	2	Pass	
R 1593	Detention Basin 5	15-Sep-11	545/546/684	-	0+48	B	-	-	Pass	
R 1594	Detention Basin 5	15-Sep-11	545/684/682	-	0+58	P	3	2	Pass	
R 1595	Detention Basin 5	15-Sep-11	545/682	-	0+68	P	2	2	Pass	
R 1596	Detention Basin 5	15-Sep-11	525/545/682	-	0+73	P	2	2	Pass	
R 1597	Detention Basin 5	15-Sep-11	525/681/682	-	0+88	P	3	3	Pass	
R 1598	Detention Basin 5	15-Sep-11	523/525/681	-	0+97	B	-	-	Pass	
R 1599	Detention Basin 5	15-Sep-11	523/680/681	-	1+12	P	2	2	Pass	
R 1600	Detention Basin 5	15-Sep-11	522/523/680	-	1+26	B	-	-	Pass	
R 1601	Detention Basin 5	15-Sep-11	522/679/680	-	1+34	B	-	-	Pass	
R 1602	Detention Basin 5	15-Sep-11	520/522/679	-	1+54	P	4	2	Pass	
R 1603	Detention Basin 5	15-Sep-11	520/678/679	-	1+56	P	4	2	Pass	
R 1604	Detention Basin 5	15-Sep-11	519/520/677/678	-	1+78	P	3	3	Pass	
R 1605	Detention Basin 5	14-Sep-11	517/519/676/677	-	2+03	P	2	2	Pass	
R 1606	Detention Basin 5	14-Sep-11	516/517/676	-	2+26	P	2	2	Pass	
R 1607	Detention Basin 5	14-Sep-11	516/675/676	-	2+32	B	-	-	Pass	
R 1608	Detention Basin 5	14-Sep-11	510/516/675	-	2+48	B	-	-	Pass	
R 1609	Detention Basin 5	14-Sep-11	510/674/675	-	2+67	B	-	-	Pass	
R 1610	Detention Basin 5	14-Sep-11	509/510/674	-	2+77	P	2	2	Pass	
R 1611	Detention Basin 5	14-Sep-11	-	674	0+37 L1	P	2	2	Pass	
R 1612	Detention Basin 5	14-Sep-11	-	674	0+29 R3	P	2	2	Pass	
R 1613	Detention Basin 5	14-Sep-11	508/509/674	-	0+16	P	2	2	Pass	
R 1614	Detention Basin 5	15-Sep-11	508/674	-	0+0	P	2	2	Pass	
R 1615	Detention Basin 5	14-Sep-11	-	676	0+64 R1	B	6	6	Pass	
R 1616	Detention Basin 5	14-Sep-11	676/677	-	0+79	P	5	2	Pass	
R 1617	Detention Basin 5	14-Sep-11	676/677	-	0+67	P	2	2	Pass	
R 1618	Detention Basin 5	15-Sep-11	681/683	-	0+0	P	2	2	Pass	
R 1619	Detention Basin 5	15-Sep-11	685/684	-	0+1	P	2	2	Pass	
R 1620	Detention Basin 5	15-Sep-11	687/686/685	-	0+15	P	2	2	Pass	
R 1621	Detention Basin 5	15-Sep-11	684/683/682	-	0+48	P	2	2	Pass	
R 1622	Detention Basin 5	15-Sep-11	683/682/681	-	0+39	P	3	3	Pass	
R 1623	Detention Basin 5	15-Sep-11	685/686	-	1+30	P	4	2	Pass	DS 329
R 1624	Detention Basin 5	15-Sep-11	684/685	-	0+50	P	4	2	Pass	DS 330
R 1625	Detention Basin 5	15-Sep-11	681/683	-	0+18	P	4	2	Pass	DS 331
R 1626	Detention Basin 5	15-Sep-11	679/680	-	0+10	P	4	2	Pass	DS 332
R 1627	Detention Basin 5	15-Sep-11	679/678	-	0+05	P	4	2	Pass	DS 333
R 1628	Detention Basin 5	15-Sep-11	677/678	-	0+10	P	4	2	Pass	DS 334
R 1629	Detention Basin 5	15-Sep-11	-	680	1+56 L7	P	2	2	Pass	
R 1630	Detention Basin 5	14-Sep-11	-	677	0+62 R-8'	P	1	1	Pass	
R 1631	AOI-15	22-Sep-11	-	695	0+80 R-6'	P	4	3	Pass	
R 1632	AOI-15	22-Sep-11	-	688	0+60 R-5'	B	4	4	Pass	
R 1633	AOI-15	22-Sep-11	689/691/690	-	BOS 0+87	P	3	2	Pass	
R 1634	AOI-15	22-Sep-11	691/690/692	-	BOS 0+85	P	2	2	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
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Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1635	AOI-15	22-Sep-11	-	691	BOS 0+11 MIDD.	P	2	2	Pass	
R 1636	AOI-15	22-Sep-11	692/693/694	-	BOS 0+28	P	2	2	Pass	
R 1637	AOI-15	22-Sep-11	-	697	BOS +6'W MIDD.	P	2	2	Pass	
R 1638	AOI-15	22-Sep-11	699/698	-	1+02	B	9	9	Pass	
R 1639	AOI-15	22-Sep-11	701/702	-	0+13	P	9	5	Pass	
R 1640	AOI-15	22-Sep-11	689/691	-	1+31	P	4	2	Pass	DS 335
R 1641	AOI-15	27-Sep-11	688/689	-	1+50	P	4	2	Pass	DS 336
R 1642	AOI-15	27-Sep-11	688/695	-	1+85	P	4	2	Pass	DS 337
R 1643	AOI-15	27-Sep-11	699/700/721	-	0+99	P	4	2	Pass	DS 338
R 1644	AOI-15	27-Sep-11	703/704	-	0+45	P	4	2	Pass	DS 339
R 1645	Detention Basin 3	23-Sep-11	707/708	-	0+37	P	4	2	Pass	DS 340
R 1646	Detention Basin 3	23-Sep-11	714/715	-	0+02	P	4	2	Pass	DS 341
R 1647	Detention Basin 3	28-Sep-11	718/715	-	0+06	P	4	2	Pass	DS 342
R 1648	Detention Basin 3	28-Sep-11	715/716	-	0+88	P	4	2	Pass	DS 343
R 1649	Detention Basin 3	28-Sep-11	715/716	-	0+13	B	8	8	Pass	
R 1650	Detention Basin 3	23-Sep-11	711/712/714	-	0+20	B	-	-	Pass	
R 1651	Detention Basin 3	23-Sep-11	710/711/714	-	0+41	B	-	-	Pass	
R 1652	Detention Basin 3	23-Sep-11	709/710/714	-	0+64	B	-	-	Pass	
R 1653	Detention Basin 3	23-Sep-11	708/709/714	-	0+86	B	-	-	Pass	
R 1654	Detention Basin 3	23-Sep-11	707/708/714	-	1+09	B	-	-	Pass	
R 1655	Detention Basin 3	28-Sep-11	-	710	0+50 L5	B	5	5	Pass	
R 1656	Detention Basin 3	28-Sep-11	-	711	0+45 L5	B	16	10	Pass	
R 1657	Detention Basin 3	28-Sep-11	-	711	0+19 L8	B	10	10	Pass	
R 1658	Detention Basin 3	23-Sep-11	664/667	-	0+00	P	4	2	Pass	
R 1659	Detention Basin 3	23-Sep-11	661/664/711/713	-	0+23	DBL T	-	-	Pass	
R 1660	Detention Basin 3	23-Sep-11	661/710/711	-	0+41	B	-	-	Pass	
R 1661	Detention Basin 3	23-Sep-11	660/661/710	-	0+45	B	-	-	Pass	
R 1662	Detention Basin 3	23-Sep-11	660/709/710	-	0+65	B	-	-	Pass	
R 1663	Detention Basin 3	23-Sep-11	659/660/709	-	0+68	B	-	-	Pass	
R 1664	Detention Basin 3	23-Sep-11	658/659/708/709	-	0+89	DBL T	-	-	Pass	
R 1665	Detention Basin 3	23-Sep-11	656/658/707/708	-	1+11	DBL T	-	-	Pass	
R 1666	Detention Basin 3	23-Sep-11	654/655/706/707	-	1+36	P	12	4	Pass	
R 1667	Detention Basin 3	23-Sep-11	706/654/575	-	1+57	P	4	3	Pass	
R 1668	Detention Basin 3	23-Sep-11	574/575/706	-	0+13	P	5	3	Pass	
R 1669	Detention Basin 3	23-Sep-11	573/574/707	-	0+32	P	2	2	Pass	
R 1670	Detention Basin 3	23-Sep-11	573/707	-	0+36	P	2	2	Pass	
R 1671	Detention Basin 3	23-Sep-11	558/573/707	-	0+56	P	3	2	Pass	
R 1672	Detention Basin 3	23-Sep-11	558/707	-	0+67	P	4	2	Pass	
R 1673	Detention Basin 3	23-Sep-11	557/558/707/714	-	0+80	P	4	2	Pass	
R 1674	Detention Basin 3	23-Sep-11	556/557/707/714	-	1+38	P	1	1	Pass	
R 1675	Detention Basin 3	23-Sep-11	556/715/714	-	0+98	P	4	2	Pass	
R 1676	Detention Basin 3	28-Sep-11	556/715	-	0+10	P	2	2	Pass	
R 1677	Detention Basin 3	28-Sep-11	556/715	-	0+14	P	2	2	Pass	

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Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1678	Detention Basin 3	28-Sep-11	555/556/716/715	-	0+23	B	-	-	Pass	
R 1679	Detention Basin 3	28-Sep-11	716/717/554/555	-	0+46	P	4	2	Pass	
R 1680	Detention Basin 3	28-Sep-11	534/554/717	-	0+67	P	15	3	Pass	
R 1681	Detention Basin 3	28-Sep-11	534/554/718/717	-	0+88	P	15	3	Pass	
R 1682	Detention Basin 3	28-Sep-11	535/534/719/718	-	0+26	DBL T	-	-	Pass	
R 1683	Detention Basin 3	23-Sep-11	557/714	-	0+90	P	1	1	Pass	
R 1684	Detention Basin 3	28-Sep-11	535/719	-	0+32	P	2	2	Pass	
R 1685	Detention Basin 3	28-Sep-11	534/718	-	0+04	P	5	2	Pass	DS 344
R 1686	Detention Basin 3	23-Sep-11	717/554	-	0+58	P	1	1	Pass	
R 1687	AOI-15	27-Sep-11	705/159/183	-	0+00	B	-	-	Pass	Vault Tie in
R 1688	AOI-15	27-Sep-11	705/704/183	-	0+7	B	-	-	Pass	Vault Tie in
R 1689	AOI-15	27-Sep-11	704/703/183	-	0+34	B	-	-	Pass	Vault Tie in
R 1690	AOI-15	27-Sep-11	703/700/183	-	0+63	P	4	2	Pass	Vault Tie in
R 1691	AOI-15	27-Sep-11	700/699/184	-	0+90	B	-	-	Pass	Vault Tie in
R 1692	AOI-15	27-Sep-11	699/698/184	-	1+16	B	-	-	Pass	Vault Tie in
R 1693	AOI-15	27-Sep-11	698/697/184	-	1+42	B	-	-	Pass	Vault Tie in
R 1694	AOI-15	27-Sep-11	697/695/184	-	1+69	B	-	-	Pass	Vault Tie in
R 1695	AOI-15	22-Sep-11	187/696/697	-	1+88	B	-	-	Pass	Vault Tie in
R 1696	AOI-15	22-Sep-11	P100/696	-	2+12	B	-	-	Pass	Vault Tie in
R 1697	AOI-15	22-Sep-11	P100/701/696	-	2+21	B	-	-	Pass	Vault Tie in
R 1698	AOI-15	22-Sep-11	P100/701	-	2+31	B	-	-	Pass	Vault Tie in
R 1699	AOI-15	22-Sep-11	P99/701	-	2+38	B	-	-	Pass	Vault Tie in
R 1700	AOI-15	22-Sep-11	P99/702/701	-	2+49	TRPL T	-	-	Pass	Vault Tie in
R 1701	AOI-15	22-Sep-11	174/702	-	2+58	B	-	-	Pass	Vault Tie in
R 1702	AOI-15	22-Sep-11	174/702/495	-	2+61	B	-	-	Pass	Vault Tie in
R 1703	West AOI-4	27-Sep-11	702/495/494	-	2+23	P	3	2	Pass	
R 1704	West AOI-4	27-Sep-11	702/701/494	-	2+17	B	-	-	Pass	
R 1705	West AOI-4	27-Sep-11	701/494/493	-	2+01	B	-	-	Pass	
R 1706	West AOI-4	27-Sep-11	701/696/493	-	1+94	P	4	2	Pass	
R 1707	West AOI-4	27-Sep-11	696/493/491	-	1+78	B	-	-	Pass	
R 1708	AOI-15	27-Sep-11	696/695/491	-	1+70	B	-	-	Pass	
R 1709	AOI-15	27-Sep-11	695/491/490	-	1+52	B	-	-	Pass	
R 1710	AOI-15	27-Sep-11	695/688/490	-	1+45	B	-	-	Pass	
R 1711	AOI-15	27-Sep-11	688/490/489	-	1+26	B	-	-	Pass	
R 1712	AOI-15	27-Sep-11	688/689/489	-	1+21	B	-	-	Pass	
R 1713	AOI-15	27-Sep-11	689/489/488	-	1+03	B	-	-	Pass	
R 1714	AOI-15	27-Sep-11	689/690/488/487	-	0+98	DBL T	-	-	Pass	
R 1715	AOI-15	27-Sep-11	653/487/690	-	0+87	B	-	-	Pass	
R 1716	AOI-15	27-Sep-11	690/692/653	-	0+76	B	-	-	Pass	
R 1717	AOI-15	27-Sep-11	652/653/692	-	0+68	B	-	-	Pass	
R 1718	AOI-15	27-Sep-11	651/652/692	-	0+45	P	8	2	Pass	
R 1719	AOI-15	27-Sep-11	647/651/694	-	0+19	P	3	2	Pass	
R 1720	AOI-15	27-Sep-11	647/693/694	-	0+07	P	2	1	Pass	

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Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1721	AOI-15	27-Sep-11	651/652/692/694	-	0+40	P	8	2	Pass	
R 1722	AOI-15	27-Sep-11	-	653	EOS-2'	P	1	1	Pass	
R 1723	AOI-15	27-Sep-11	695/187	-	1+76	P	4	4	Pass	
R 1724	AOI-15	27-Sep-11	495/702	-	2+69	P	4	4	Pass	
R 1725	West AOI-4	27-Sep-11	696/493	-	1+87	P	3	2	Pass	
R 1726	West AOI-4	27-Sep-11	690/487	-	0+92	P	5	2	Pass	DS 345
R 1727	West AOI-4	27-Sep-11	647/651	-	2+21	P	2	2	Pass	
R 1728	AOI-15	27-Sep-11	647/693/623	-	0+00	P	2	2	Pass	
R 1729	AOI-15	29-Sep-11	-	721	0+12 L-5	B	8	8	Pass	
R 1730	AOI-15	29-Sep-11	721/699/700	-	0+22	DBL T	-	-	Pass	
R 1731	AOI-15	29-Sep-11	721/698/699	-	0+44	B	-	-	Pass	
R 1732	AOI-15	29-Sep-11	721/697/698	-	0+67	B	-	-	Pass	
R 1733	AOI-15	29-Sep-11	721/720/697	-	0+75	B	-	-	Pass	
R 1734	AOI-15	29-Sep-11	720/695/697	-	0+88	B	-	-	Pass	
R 1735	AOI-15	29-Sep-11	720/688/695	-	1+11	B	-	-	Pass	
R 1736	AOI-15	29-Sep-11	-	720	1+15 L8'	B	8	8	Pass	
R 1737	AOI-15	29-Sep-11	721/700	-	0+12	P	3	2	Pass	
R 1738	Detention Basin 4	11-Oct-11	-	722	0+39 R5	B	8	4	Pass	
R 1739	Detention Basin 4	11-Oct-11	723/724	-	0+64	B	10	9	Pass	
R 1740	Detention Basin 4	11-Oct-11	-	724	0+51 R3	B	6	3	Pass	
R 1741	Detention Basin 4	11-Oct-11	719/722	-	0+00	P	4	2	Pass	
R 1742	Detention Basin 4	11-Oct-11	-	726	0+43 R5	B	8	8	Pass	
R 1743	Detention Basin 4	11-Oct-11	725/726	-	0+00	P	8	2	Pass	
R 1744	Detention Basin 4	11-Oct-11	727/728/729	-	0+70	P	4	2	Pass	
R 1745	Detention Basin 4	11-Oct-11	727/729	-	0+49	P	3	2	Pass	
R 1746	Detention Basin 4	11-Oct-11	735/730/732	-	1+12	B	9	7	Pass	
R 1747	Detention Basin 4	11-Oct-11	735/730	-	1+32	B	5	4	Pass	
R 1748	Detention Basin 4	11-Oct-11	727/729	-	0+35	P	2	2	Pass	
R 1749	Detention Basin 4	11-Oct-11	727/728/544/546	-	1+38	P	8	3	Pass	
R 1750	Detention Basin 4	11-Oct-11	-	733	0+37 L8'	DBL B	10	10	Pass	
R 1751	Detention Basin 4	11-Oct-11	537/535/722/719	-	0+00	P	5	4	Pass	
R 1752	Detention Basin 4	11-Oct-11	538/537/723	-	0+23	DBL T	-	-	Pass	
R 1753	Detention Basin 4	11-Oct-11	538/724/723	-	0+46	B	-	-	Pass	
R 1754	Detention Basin 4	11-Oct-11	541/540/725/724	-	0+70	P	3	2	Pass	
R 1755	Detention Basin 4	11-Oct-11	541/725	-	0+88	P	2	2	Pass	
R 1756	Detention Basin 4	11-Oct-11	544/542/727/726	-	1+14	P	6	3	Pass	
R 1757	Detention Basin 4	11-Oct-11	686/546/728	-	1+56	P	5	3	Pass	
R 1758	Detention Basin 4	11-Oct-11	686/729/728	-	1+63	B	-	-	Pass	
R 1759	Detention Basin 4	11-Oct-11	686/730/729	-	1+86	B	-	-	Pass	
R 1760	Detention Basin 4	11-Oct-11	686/735/730	-	2+09	P	3	2	Pass	
R 1761	Detention Basin 4	11-Oct-11	686/736/735	-	2+32	P	2	2	Pass	
R 1762	Detention Basin 4	11-Oct-11	686/737/736	-	2+56	B	-	-	Pass	
R 1763	Detention Basin 4	11-Oct-11	686/738/737	-	2+80	B	-	-	Pass	

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Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1764	Detention Basin 4	11-Oct-11	686/740/738	-	3+03	B	-	-	Pass	
R 1765	Detention Basin 4	11-Oct-11	686/741/740	-	3+27	B	-	-	Pass	
R 1766	Detention Basin 4	11-Oct-11	745/687/741/686	-	3+39	P	6	6	Pass	
R 1767	Detention Basin 4	11-Oct-11	744/741	-	0+58	P	1	1	Pass	
R 1768	Detention Basin 4	11-Oct-11	744/745/741	-	0+68	P	2	2	Pass	
R 1769	Detention Basin 4	11-Oct-11	-	744	0+27	B	4	4	Pass	
R 1770	Detention Basin 4	11-Oct-11	744/742/741	-	0+36	P	2	2	Pass	
R 1771	Detention Basin 4	11-Oct-11	741/740/739	-	0+67	P	3	3	Pass	
R 1772	Detention Basin 4	11-Oct-11	740/739/738	-	1+02	P	2	2	Pass	
R 1773	Detention Basin 4	11-Oct-11	745/744	-	0+96	P	5	2	Pass	
R 1774	Detention Basin 4	11-Oct-11	542/726	-	1+01	P	2	2	Pass	
R 1775	Detention Basin 4	11-Oct-11	542/541/726	-	0+93	B	-	-	Pass	
R 1776	Detention Basin 4	11-Oct-11	541/726/725	-	0+91	B	-	-	Pass	
R 1777	Detention Basin 4	11-Oct-11	540/538/724	-	0+48	B	-	-	Pass	
R 1778	Detention Basin 4	11-Oct-11	737/734/733	-	0+78	P	3	2	Pass	
R 1779	Detention Basin 4	11-Oct-11	737/736/733	-	0+61	P	2	2	Pass	
R 1780	Detention Basin 4	11-Oct-11	736/733/732	-	0+04	P	4	3	Pass	
R 1781	Detention Basin 4	11-Oct-11	736/733	-	1+15	P	2	2	Pass	
R 1782	Detention Basin 4	11-Oct-11	-	732	1+35 R10	DBL B	12	5	Pass	
R 1783	Detention Basin 4	11-Oct-11	-	736	1+22	B	10	10	Pass	
R 1784	Detention Basin 4	11-Oct-11	731/730/729	-	0+08	P	2	2	Pass	
R 1785	Detention Basin 4	11-Oct-11	729/727	-	0+04	P	3	2	Pass	
R 1786	Detention Basin 4	11-Oct-11	731/730/732	-	0+08	P	2	2	Pass	
R 1787	Detention Basin 4	11-Oct-11	-	726	0+90 L10	P	1	1	Pass	
R 1788	Detention Basin 4	11-Oct-11	542/726	-	1+09	P	7	2	Pass	
R 1789	Detention Basin 4	11-Oct-11	727/726	-	1+11	P	4	2	Pass	
R 1790	Detention Basin 4	11-Oct-11	731/732	-	0+01	P	1	1	Pass	
R 1791	Detention Basin 4	11-Oct-11	723/724	-	0+15	P	4	2	Pass	DS 346
R 1792	Detention Basin 4	11-Oct-11	724/725	-	0+14	P	4	2	Pass	DS 347
R 1793	Detention Basin 4	11-Oct-11	727/728	-	1+08	P	4	2	Pass	DS 348
R 1794	Detention Basin 4	11-Oct-11	728/729	-	0+50	P	4	2	Pass	DS 349
R 1795	Detention Basin 4	11-Oct-11	737/738	-	1+00	P	4	2	Pass	DS 350
R 1796	Detention Basin 4	11-Oct-11	738/740	-	1+23	P	4	2	Pass	DS 351
R 1797	Detention Basin 4	11-Oct-11	740/741	-	0+87	P	4	2	Pass	DS 352
R 1798	Detention Basin 4	11-Oct-11	744/745	-	0+84	P	4	2	Pass	DS 353
R 1799	Detention Basin 4	11-Oct-11	540/724	-	0+55	P	4	2	Pass	DS 354
R 1800	Detention Basin 4	11-Oct-11	686/738	-	2+91	P	4	2	Pass	DS 355
R 1801	Detention Basin 4	11-Oct-11	685/745	-	0+37	P	5	2	Pass	
R 1802	Detention Basin 4	11-Oct-11	686/729	-	1+42	P	1	1	Pass	
R 1803	Detention Basin 4	11-Oct-11	735/737/736	-	1+34	P	6	2	Pass	
R 1804	Detention Basin 4	11-Oct-11	-	730	1+38 R11	P	1	1	Pass	
R 1805	Detention Basin 4	11-Oct-11	-	730	1+47 R11	P	1	1	Pass	
R 1806	Detention Basin 4	11-Oct-11	686/736	-	2+54	P	1	1	Pass	

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Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1807	Detention Basin 4	11-Oct-11	745/687/685	-	0+24	B	-	-	Pass	
R 1808	Detention Basin 4	11-Oct-11	-	726	0+01	P	2	2	Pass	
R 1809	West AOI-4	12-Oct-11	-	492	0+18	P	30'	3'	Pass	
R 1810	West AOI-4	12-Oct-11	-	494	0+23 R4	P	2	2	Pass	
R 1811	West AOI-4	12-Oct-11	-	494	0+23 R15	P	18	1	Pass	
R 1812	West AOI-4	12-Oct-11	-	494	0+28 L6	P	1	1	Pass	
R 1813	West AOI-4	12-Oct-11	-	492	0+35 R5	P	30'	3'	Pass	
R 1814	West AOI-4	12-Oct-11	-	492	0+40 R12	P	9'	1	Pass	
R 1815	West AOI-4	12-Oct-11	-	492	0+40 L4	P	8	3	Pass	
R 1816	West AOI-4	12-Oct-11	-	494	0+40 L8	P	15'	1	Pass	
R 1817	West AOI-4	12-Oct-11	-	494	0+70 L4	P	1	1	Pass	
R 1818	West AOI-4	12-Oct-11	-	493	0+75 R15	P	36	3	Pass	
R 1819	West AOI-4	12-Oct-11	-	492	0+60 R3	P	22	3	Pass	
R 1820	West AOI-4	12-Oct-11	-	494	0+40 R10	P	4	4	Pass	
R 1821	AOI-15	9-Dec-11	747/721	-	0+51	P	1	1	Pass	
R 1822	AOI-15	9-Dec-11	747/721/748	-	0+43	P	1	1	Pass	
R 1823	AOI-15	9-Dec-11	748/749/721	-	0+36	P	1	1	Pass	
R 1824	AOI-15	9-Dec-11	747/748	-	0+06	P	2	2	Pass	
R 1825	AOI-15	9-Dec-11	747/182	-	1+00	P	2	2	Pass	
R 1826	AOI-15	9-Dec-11	752/753/747	-	1+71	P	1	1	Pass	
R 1827	AOI-15	9-Dec-11	753/721/747	-	1+86	P	3	3	Pass	
R 1828	AOI-15	8-Dec-11	750/181	-	0+94	P	4	2	Pass	Vault Tie in
R 1829	AOI-15	8-Dec-11	750/157/158	-	1+14	P	4	4	Pass	Vault Tie in
R 1830	AOI-15	8-Dec-11	750/751/158	-	1+25	P	2	2	Pass	Vault Tie in
R 1831	AOI-15	8-Dec-11	-	181	1+01	P	3	2	Pass	Vault Tie in
R 1832	AOI-15	9-Dec-11	-	752	0+18	B	-	-	Pass	
R 1833	AOI-15	7-Dec-11	755/752	-	0+16	P	3	2	Pass	
R 1834	AOI-15	9-Dec-11	754/752/753	-	1+77	P	1	1	Pass	
R 1835	AOI-15	9-Dec-11	753/721/720/754	-	1+94	P	3	2	Pass	
R 1836	AOI-15	9-Dec-11	-	752	0+33	B	-	-	Pass	
R 1837	AOI-15	9-Dec-11	182/74/75	-	0+70	P	3	2	Pass	Vault Tie in
R 1838	AOI-15	9-Dec-11	182/74/75	-	0+67	P	3	2	Pass	Vault Tie in
R 1839	AOI-15	9-Dec-11	181/748/747	-	0+30	P	1	1	Pass	Vault Tie in
R 1840	AOI-15	9-Dec-11	754/752	-	1+43	P	4	2	Pass	DS 356
R 1841	AOI-15	9-Dec-11	181/748/749	-	0+60	P	2	2	Pass	Vault Tie in
R 1842	AOI-15	9-Dec-11	755/752/180	-	0+27	P	5	2	Pass	Vault Tie in
R 1843	AOI-15	9-Dec-11	755/180	-	0+0	P	4	2	Pass	Vault Tie in
R 1844	AOI-15	9-Dec-11	755/180	-	0+25	P	2	2	Pass	Vault Tie in
R 1845	AOI-15	9-Dec-11	755/180	-	0+0	P	2	2	Pass	Vault Tie in
R 1846	AOI-15	8-Dec-11	751/158	-	1+37	P	2	2	Pass	Vault Tie in
R 1847	AOI-15	8-Dec-11	751/158	-	1+41	P	4	2	Pass	Vault Tie in
R 1848	AOI-15	9-Dec-11	753/721	-	0+72	P	2	2	Pass	
R 1849	AOI-15	10-Dec-11	757/754/720	-	1+97	P	2	2	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1850	AOI-15	9-Dec-11	-	752	0+0	P	4	3	Pass	
R 1851	AOI-15	9-Dec-11	756/757/754	-	0+75	P	1	1	Pass	
R 1852	AOI-15	9-Dec-11	756/758/757	-	0+73	P	1	1	Pass	
R 1853	AOI-15	10-Dec-11	758/759/760	-	1+35	P	2	1	Pass	
R 1854	AOI-15	10-Dec-11	759/760/761	-	1+35	P	2	1	Pass	
R 1855	AOI-15	10-Dec-11	748/749	-	0+19	P	4	2	Pass	DS 357
R 1856	AOI-15	9-Dec-11	757/754	-	0+83	P	4	2	Pass	DS 358
R 1857	AOI-15	10-Dec-11	760/758	-	1+94	P	4	2	Pass	DS 359
R 1858	AOI-15	10-Dec-11	759/761	-	0+58	P	4	2	Pass	DS 360
R 1859	AOI-15	10-Dec-11	761/762	-	1+25	P	4	2	Pass	
R 1860	AOI-15	9-Dec-11	762/764	-	0+81	P	4	2	Pass	
R 1861	AOI-15	10-Dec-11	762/763/764	-	1+39	P	1	1	Pass	
R 1862	AOI-15	10-Dec-11	763/764/765	-	1+39	P	1	1	Pass	
R 1863	AOI-15	10-Dec-11	764/765	-	1+24	P	7	2	Pass	
R 1864	AOI-15	10-Dec-11	765/766	-	1+19	P	4	2	Pass	
R 1865	AOI-15	10-Dec-11	764/765	-	0+13	P	2	2	Pass	
R 1866	AOI-15	10-Dec-11	765/766	-	0+25	P	4	3	Pass	
R 1867	AOI-15	8-Dec-11	700/703	-	0+0	P	9	3	Pass	
R 1868	AOI-15	8-Dec-11	703/749/750	-	0+35	T	-	-	Pass	
R 1869	AOI-15	8-Dec-11	703/704/750	-	0+0	T	-	-	Pass	
R 1870	AOI-15	8-Dec-11	704/750/751	-	0+19	T	-	-	Pass	
R 1871	AOI-15	8-Dec-11	704/705/751	-	0+0	T	-	-	Pass	
R 1872	AOI-15	8-Dec-11	158/159	-	0+0	P	8	5	Pass	
R 1873	AOI-15	10-Dec-11	181/182	-	0+05	P	1	1	Pass	
R 1874	AOI-15	10-Dec-11	767/768	-	0+98	P	4	2	Pass	
R 1875	AOI-15	12-Dec-11	766/767	-	0+06	P	2	2	Pass	
R 1876	AOI-15	12-Dec-11	766/767	-	0+25	P	3	2	Pass	
R 1877	AOI-15	12-Dec-11	-	770	0+05	P	5	3	Pass	
R 1878	AOI-15	12-Dec-11	769/770	-	0+10	P	5	3	Pass	
R 1879	AOI-15	12-Dec-11	-	772	0+07	P	8	8	Pass	
R 1880	AOI-15	12-Dec-11	769/770/771	-	0+81	P	1	1	Pass	
R 1881	AOI-15	12-Dec-11	770/771/772	-	0+87	P	1	1	Pass	
R 1882	AOI-15	10-Dec-11	772/770	-	0+34	P	4	2	Pass	
R 1883	AOI-15	9-Dec-11	752/182	-	0+91	P	2	2	Pass	
R 1884	AOI-15	9-Dec-11	181/157	-	0+05	P	1	1	Pass	
R 1885	AOI-15	10-Dec-11	762/764	-	1+33	P	4	2	Pass	DS 361
R 1886	AOI-15	12-Dec-11	766/767	-	0+51	P	4	2	Pass	DS 362
R 1887	AOI-15	12-Dec-11	769/770	-	0+48	P	4	2	Pass	DS 363
R 1888	AOI-15	12-Dec-11	772/773	-	0+29	P	5	2	Pass	
R 1889	AOI-15	12-Dec-11	772/773/774	-	0+93	P	2	2	Pass	
R 1890	AOI-15	12-Dec-11	773/774/775	-	0+93	P	2	2	Pass	
R 1891	AOI-15	12-Dec-11	773/775	-	0+26	P	7	3	Pass	
R 1892	AOI-15	12-Dec-11	775/776/777	-	0+31	P	4	2	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1893	AOI-15	12-Dec-11	775/777/783	-	0+44	P	1	1	Pass	
R 1894	AOI-15	12-Dec-11	777/778/783	-	0+46	P	1	1	Pass	
R 1895	AOI-15	12-Dec-11	778/779/783	-	0+47	P	1	1	Pass	
R 1896	AOI-15	12-Dec-11	776/777/778	-	0+29	P	2	2	Pass	
R 1897	AOI-15	12-Dec-11	779/780/783	-	0+48	P	2	2	Pass	
R 1898	AOI-15	12-Dec-11	780/781/782	-	0+12	P	2	2	Pass	
R 1899	AOI-15	12-Dec-11	780/782/783	-	0+02	P	2	1	Pass	
R 1900	AOI-15	12-Dec-11	775/783/784	-	0+78	P	1	1	Pass	
R 1901	AOI-15	12-Dec-11	775/784/785	-	1+02	P	1	1	Pass	
R 1902	AOI-15	12-Dec-11	785/786	-	0+25	P	4	2	Pass	
R 1903	AOI-15	12-Dec-11	775/785/786	-	1+25	P	1	1	Pass	
R 1904	AOI-15	10-Dec-11	768/787	-	1+97	P	3	3	Pass	
R 1905	AOI-15	12-Dec-11	768/769/787	-	1+88	P	1	1	Pass	
R 1906	AOI-15	12-Dec-11	771/769/787	-	1+66	P	1	1	Pass	
R 1907	AOI-15	12-Dec-11	771/772/787	-	1+43	P	1	1	Pass	
R 1908	AOI-15	12-Dec-11	775/776	-	0+09	P	2	2	Pass	
R 1909	AOI-15	12-Dec-11	772/774/787	-	1+21	P	1	1	Pass	
R 1910	AOI-15	12-Dec-11	4774/775/787	-	0+98	P	1	1	Pass	
R 1911	AOI-15	14-Dec-11	775/786/787	-	0+76	P	1	1	Pass	
R 1912	AOI-15	12-Dec-11	786/787	-	0+21	P	2	2	Pass	
R 1913	AOI-15	12-Dec-11	787/788	-	0+21	P	7	2	Pass	
R 1914	AOI-15	12-Dec-11	787/788	-	0+01	P	1	1	Pass	
R 1915	AOI-15	12-Dec-11	787/789	-	1+40	P	17	2	Pass	
R 1916	AOI-15	12-Dec-11	788/789/790	-	1+36	P	1	1	Pass	
R 1917	AOI-15	12-Dec-11	789/790	-	1+98	P	5	2	Pass	
R 1918	AOI-15	12-Dec-11	790/792/791	-	2+60	P	2	1	Pass	
R 1919	AOI-15	12-Dec-11	791/794/792	-	2+56	P	2	1	Pass	
R 1920	AOI-15	12-Dec-11	792/793/794	-	2+20	P	3	2	Pass	
R 1921	AOI-15	12-Dec-11	793/794/795	-	2+14	P	5	2	Pass	
R 1922	AOI-15	12-Dec-11	-	789	-	P	3	2	Pass	
R 1923	AOI-15	10-Dec-11	758/757/720	-	2+01	P	2	2	Pass	
R 1924	AOI-15	14-Dec-11	794/795/796	-	3+28	P	2	2	Pass	
R 1925	AOI-15	12-Dec-11	794/795	-	2+25	P	5	2	Pass	
R 1926	AOI-15	12-Dec-11	772/773	-	0+77	P	4	2	Pass	DS 364
R 1927	AOI-15	12-Dec-11	774/775	-	1+08	P	4	2	Pass	DS 365
R 1928	AOI-15	12-Dec-11	777/783	-	0+78	P	4	2	Pass	DS 366
R 1929	AOI-15	14-Dec-11	787/788	-	0+68	P	4	2	Pass	DS 367
R 1930	AOI-15	10-Dec-11	789/790	-	2+52	P	8	2	Pass	DS 368
R 1931	AOI-15	14-Dec-11	794/795	-	3+21	P	4	2	Pass	DS 369
R 1932	AOI-15	12-Dec-11	795/797	-	2+08	P	7	2	Pass	
R 1933	AOI-15	14-Dec-11	795/797/796	-	3+26	P	2	2	Pass	
R 1934	AOI-15	14-Dec-11	797/798/799	-	0+73	P	2	2	Pass	
R 1935	AOI-15	14-Dec-11	789/799/800	-	0+73	P	2	2	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1936	AOI-15	10-Dec-11	767/768/787	-	2+12	P	5	4	Pass	
R 1937	AOI-15	14-Dec-11	799/800/801	-	1+99	P	2	2	Pass	
R 1938	AOI-15	10-Dec-11	720/758/688	-	2+13	P	7	3	Pass	
R 1939	AOI-15	10-Dec-11	800/802	-	1+21	B	-	-	Pass	
R 1940	AOI-15	12-Dec-11	758/796/688	-	0+57	P	3	2	Pass	
R 1941	AOI-15	12-Dec-11	758/760/796	-	4+04	P	2	2	Pass	
R 1942	AOI-15	12-Dec-11	758/760/794	-	3+96	P	2	2	Pass	
R 1943	AOI-15	12-Dec-11	760/761/794	-	3+70	P	2	2	Pass	
R 1944	AOI-15	12-Dec-11	761/791/794	-	3+67	P	2	2	Pass	
R 1945	AOI-15	12-Dec-11	761/762/791	-	3+44	P	2	2	Pass	
R 1946	AOI-15	12-Dec-11	762/790/791	-	3+30	P	2	2	Pass	
R 1947	AOI-15	12-Dec-11	762/763/790	-	3+16	P	2	2	Pass	
R 1948	AOI-15	12-Dec-11	763/790/765	-	2+90	P	3	3	Pass	
R 1949	AOI-15	12-Dec-11	765/790/789	-	2+86	P	2	2	Pass	
R 1950	AOI-15	12-Dec-11	765/766/789	-	2+64	P	2	2	Pass	
R 1951	AOI-15	10-Dec-11	766/787/789	-	2+46	P	3	3	Pass	
R 1952	AOI-15	10-Dec-11	766/767/787	-	2+36	P	2	2	Pass	
R 1953	AOI-15	14-Dec-11	799/801	-	2+12	P	6	2	Pass	
R 1954	AOI-15	14-Dec-11	798/800	-	0+31	P	4	3	Pass	
R 1955	AOI-15	14-Dec-11	801/800/802	-	1+95	P	2	2	Pass	
R 1956	AOI-15	14-Dec-11	-	802	2+31	B	-	-	Pass	
R 1957	AOI-15	14-Dec-11	800/802	-	0+32	P	2	2	Pass	
R 1958	AOI-15	14-Dec-11	624/802/803	-	0+69	P	3	2	Pass	
R 1959	AOI-15	14-Dec-11	803/804/623	-	0+46	P	2	2	Pass	
R 1960	AOI-15	14-Dec-11	803/804	-	0+03	P	4	2	Pass	
R 1961	AOI-15	14-Dec-11	804/805/621	-	0+28	P	2	2	Pass	
R 1962	AOI-15	14-Dec-11	797/798	-	0+31	P	3	2	Pass	
R 1963	AOI-15	14-Dec-11	802/806/624	-	1+44	P	3	2	Pass	
R 1964	AOI-15	14-Dec-11	802/624	-	1+12	P	5	2	Pass	
R 1965	AOI-15	12-Dec-11	688/796/797	-	0+48	P	2	1	Pass	
R 1966	AOI-15	14-Dec-11	797/689/688	-	0+42	P	2	1	Pass	
R 1967	AOI-15	14-Dec-11	797/799/689	-	0+24	P	1	1	Pass	
R 1968	AOI-15	14-Dec-11	799/691/689	-	0+08	P	1	1	Pass	
R 1969	AOI-15	12-Dec-11	-	182	0+97	P	2	2	Pass	
R 1970	AOI-15	14-Dec-11	796/797	-	3+26	P	4	2	Pass	DS 370
R 1971	AOI-15	14-Dec-11	797/799	-	2+54	P	4	2	Pass	DS 371
R 1972	AOI-15	14-Dec-11	799/800	-	1+83	P	4	2	Pass	DS 372
R 1973	AOI-15	14-Dec-11	799/801	-	2+80	P	4	2	Pass	DS 373
R 1974	AOI-15	14-Dec-11	802/806	-	0+61	P	4	2	Pass	DS 374
R 1975	AOI-15	14-Dec-11	800/802	-	0+78	P	4	2	Pass	DS 375
R 1976	AOI-15	14-Dec-11	624/623	-	0+08	P	2	2	Pass	
R 1977	AOI-15	14-Dec-11	801/691	-	0+55	P	27	2	Pass	
R 1978	AOI-15	14-Dec-11	802/692/806	-	0+33	P	5	2	Pass	

TABLE 3.3.6

**SUMMARY OF LLDPE LINER SEAM REPAIRS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Repair Number	Location	Repair Date	Seam ID	Panel	Location (Station) ⁽¹⁾	Repair	Repair-Size			Comment ⁽³⁾
							Length ² (in)	Width ² (in)	Pass/Fail	
R 1979	AOI-15	14-Dec-11	806/692/693	-	0+22	P	2	2	Pass	
R 1980	AOI-15	14-Dec-11	806/807/693	-	0+10	P	2	2	Pass	
R 1981	AOI-15	14-Dec-11	693/807/623	-	0+0	P	3	2	Pass	
R 1982	AOI-15	14-Dec-11	624/806/807	-	0+44	P	2	2	Pass	
R 1983	AOI-15	14-Dec-11	802/624	-	0+81	P	3	2	Pass	
R 1984	AOI-15	14-Dec-11	790/792	-	0+61	P	4	2	Pass	DS 377
R 1985	AOI-15	14-Dec-11	795/797	-	0+79	P	4	2	Pass	DS 376
R 1986	AOI-15	14-Dec-11	803/623	-	0+69	P	7	2	Pass	
R 1987	AOI-15	14-Dec-11	804/621	-	0+37	P	5	3	Pass	
R 1988	AOI-15	14-Dec-11	621/623/804	-	0+63	B	4	2	Pass	
R 1989	AOI-15	14-Dec-11	802/624	-	0+05	P	4	2	Pass	DS 378
R 1990	AOI-15	14-Dec-11	802/624	-	0+28	P	5	2	Pass	
R 1991	AOI-15	14-Dec-11	806/807	-	0+17	P	4	2	Pass	DS 379
R 1992	AOI-15	12-Dec-11	-	773	0+29	P	1	1	Pass	
R 1993	AOI-15	14-Dec-11	802/624	-	0+12	P	4	2	Pass	
R 1994	AOI-15	14-Dec-11	805/619/621	-	0+13	P	2	2	Pass	
R 1995	AOI-15	14-Dec-11	805/619	-	0+10	P	3	2	Pass	
R 1996	AOI-15	14-Dec-11	805/619	-	0+0	P	2	2	Pass	
R 1997	AOI-15	14-Dec-11	802/806	-	0+14	P	6	2	Pass	
R 1998	West AOI-4	14-Dec-11	-	624	1+08	P	3	2	Pass	
R 1999	AOI-15	14-Dec-11	624/623/807	-	0+53	P	2	2	Pass	
R 2000	Detention Basin 4	16-Dec-11	-	731	-	P	-	-	Pass	
R 2001	Detention Basin 1	16-Dec-11	-	641	-	P	-	-	Pass	

Notes:

(1) BOS - Beginning of Seam, EOS - End of Seam, TOS - Top of Slope

(2) Repair Type: C - Cap Strip, P - Patch, B - Extrusion Bead, T - Joint

(3) Refer to Table 3.3.5 for destructive test details.

TABLE 3.4.1

SUMMARY OF DRAINAGE GEOCOMPOSITE MANUFACTURER CERTIFICATION
 CONSTRUCTION CERTIFICATION REPORT
 EAST PLANT AREA COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

Product	Geocomposite Roll Number	Roll Number	Weight (oz/sq yd)	Geotextile Fabric ⁽¹⁾				Permittivity (sec ⁻¹)	AOS (sieve size/mm)	Geonet ⁽²⁾		Geocomposite ⁽³⁾			CRA Approval ⁽⁴⁾	
				Grab Strength (lb/in)		Grab Elongation (%)				Density (g/cc)	Carbon Black (%)	Tensile Strength - Machine Direction (lb/ft)	Ply Adhesion (lb/in)			Transmissivity (m ² /s)
				Machine Direction	Cross Direction	Machine Direction	Cross Direction						Minimum	Average		
TN330-2-6	221710020	2217.001	-	-	-	-	-	-	0.9541	2.68	112	1.60	2.72	-	EC	
		2217.019	-	-	-	-	-	-								
TN330-2-6	221710030	2217.007	-	-	-	-	-	-	0.9541	2.45	106	1.27	2.51	-	EC	
		2217.016	-	-	-	-	-	-								
TN330-2-6	221710035	2217.007	6.21	168	174	71	85	1.78	0.9541	-	-	-	-	2.41 x 10 ⁻³	EC	
		2217.016	6.24	166	171	73	83	1.78								
TN330-2-6	221710040	2217.024	-	-	-	-	-	-	0.9541	2.57	111	1.54	3.19	-	EC	
		2217.002	-	-	-	-	-	-								
TN330-2-6	221710050	2217.024	-	-	-	-	-	-	0.9541	2.36	108	1.43	2.32	-	EC	
		2217.002	-	-	-	-	-	-								
TN330-2-6	221710060	2217.009	-	-	-	-	-	-	0.9541	2.60	112	1.65	2.98	-	EC	
		2217.022	-	-	-	-	-	-								
TN330-2-6	221710070	2217.018	6.24	166	171	73	83	1.78	0.9541	2.43	109	1.47	1.91	2.45 x 10 ⁻³	EC	
		2217.012	6.48	161	179	65	80	1.78								
TN330-2-6	221710080	2217.023	-	-	-	-	-	-	0.9541	2.53	107	1.62	2.67	-	EC	
		2217.015	-	-	-	-	-	-								
TN330-2-6	221710090	2217.010	-	-	-	-	-	-	0.9541	2.34	110	1.41	2.22	-	EC	
		2217.025	-	-	-	-	-	-								
TN330-2-6	221710100	2217.028	-	-	-	-	-	-	0.9541	2.66	106	1.50	2.78	-	EC	
		2217.046	-	-	-	-	-	-								
TN330-2-6	221710105	2217.028	6.41	167	173	75	81	1.78	0.9541	-	-	-	-	2.39 x 10 ⁻³	EC	
		2217.046	6.31	170	179	69	85	1.78								
TN330-2-6	221710110	2217.043	-	-	-	-	-	-	0.9541	2.47	111	1.35	2.59	-	EC	
		2217.032	-	-	-	-	-	-								
TN330-2-6	221710120	2217.048	-	-	-	-	-	-	0.9541	2.55	108	1.67	3.11	-	EC	
		2217.029	-	-	-	-	-	-								
TN330-2-6	221710130	2217.035	-	-	-	-	-	-	0.9541	2.40	112	1.40	2.40	-	EC	
		2217.044	-	-	-	-	-	-								
TN330-2-6	221710140	2217.050	6.39	161	176	65	76	1.81	0.9541	2.62	109	1.48	2.92	2.48 x 10 ⁻³	EC	
		2217.031	6.49	162	178	66	75	1.78								
TN330-2-6	221710150	2217.052	-	-	-	-	-	-	0.9541	2.49	107	1.39	1.99	-	EC	
		2217.034	-	-	-	-	-	-								
TN330-2-6	221710160	2217.033	-	-	-	-	-	-	0.9541	2.59	110	1.53	2.69	-	EC	
		2217.049	-	-	-	-	-	-								
TN330-2-6	221710170	2217.038	-	-	-	-	-	-	0.9541	2.38	106	1.30	2.30	-	EC	
		2217.051	-	-	-	-	-	-								
TN330-2-6	221710175	2217.038	6.20	169	172	70	84	1.78	0.9541	-	-	-	-	2.35 x 10 ⁻³	EC	
		2217.051	6.39	161	176	65	76	1.81								
TN330-2-6	221710180	2217.054	-	-	-	-	-	-	0.9541	2.64	109	1.64	2.70	-	EC	
		2217.042	-	-	-	-	-	-								
TN330-2-6	221710190	2217.057	-	-	-	-	-	-	0.9552	2.31	107	1.45	2.53	-	EC	
		2217.067	-	-	-	-	-	-								
TN330-2-6	221710200	2217.069	-	-	-	-	-	-	0.9552	2.50	110	1.51	3.17	-	EC	
		2217.060	-	-	-	-	-	-								

TABLE 3.4.1

SUMMARY OF DRAINAGE GEOCOMPOSITE MANUFACTURER CERTIFICATION
 CONSTRUCTION CERTIFICATION REPORT
 EAST PLANT AREA COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

Product	Geocomposite Roll Number	Roll Number	Weight (oz/sq yd)	Geotextile Fabric ⁽¹⁾				Permittivity (sec ⁻¹)	AOS (sieve size/mm)	Geonet ⁽²⁾		Geocomposite ⁽³⁾			CRA Approval ⁽⁴⁾	
				Grab Strength (lb/in)		Grab Elongation (%)				Density (g/cc)	Carbon Black (%)	Tensile Strength - Machine Direction (lb/ft)	Ply Adhesion (lb/in)			Transmissivity (m ² /s)
				Machine Direction	Cross Direction	Machine Direction	Cross Direction						Minimum	Average		
TN330-2-6	221710210	2217.055	6.22	164	171	73	79	1.81	70	0.9552	2.31	107	1.26	2.34	2.50 x 10 ⁻³	EC
		2217.074	6.53	166	177	72	78	1.81	70							
TN330-2-6	221710220	2217.061	-	-	-	-	-	-	-	0.9552	2.69	109	1.56	2.90	-	EC
		2217.071	-	-	-	-	-	-	-							
TN330-2-6	221710230	2217.075	-	-	-	-	-	-	-	0.9552	2.48	106	1.32	1.97	-	EC
		2217.056	-	-	-	-	-	-	-							
TN330-2-6	221710240	2217.070	-	-	-	-	-	-	-	0.9552	2.58	111	1.44	2.63	-	EC
		2217.065	-	-	-	-	-	-	-							
TN330-2-6	221710245	2217.070	6.53	166	177	72	78	1.81	70	0.9552	-	-	-	-	2.37 x 10 ⁻³	EC
		2217.065	6.27	163	170	75	81	1.81	70							
TN330-2-6	221710250	2217.059	-	-	-	-	-	-	-	0.9552	2.39	108	1.29	2.24	-	EC
		2217.073	-	-	-	-	-	-	-							
TN330-2-6	221710260	2217.064	-	-	-	-	-	-	-	0.9552	2.61	112	1.58	2.76	-	EC
		2217.081	-	-	-	-	-	-	-							
TN330-2-6	221710270	2217.079	-	-	-	-	-	-	-	0.9552	2.46	107	1.37	2.55	-	EC
		2217.068	-	-	-	-	-	-	-							
TN330-2-6	221710280	2217.066	6.27	163	170	75	81	1.81	70	0.9552	2.54	109	1.61	3.15	2.44 x 10 ⁻³	YM
		2217.078	6.36	162	172	74	76	1.81	70							
TN330-2-6	221710290	2217.092	-	-	-	-	-	-	-	0.9552	2.37	106	1.36	2.36	-	YM
		2217.096	-	-	-	-	-	-	-							
TN330-2-6	221710300	2217.083	-	-	-	-	-	-	-	0.9552	2.67	110	1.57	2.96	-	YM
		2217.088	-	-	-	-	-	-	-							
TN330-2-6	221710310	2217.090	-	-	-	-	-	-	-	0.9552	2.44	108	1.24	1.93	-	YM
		2217.099	-	-	-	-	-	-	-							
TN330-2-6	221710315	2217.090	6.28	161	176	67	84	1.81	70	0.9552	-	-	-	-	2.40 x 10 ⁻³	YM
		2217.099	6.43	165	173	71	82	1.81	70							
TN330-2-6	221710320	2217.103	-	-	-	-	-	-	-	0.9552	2.52	112	1.63	2.65	-	YM
		2217.084	-	-	-	-	-	-	-							
TN330-2-6	221710330	2217.106	-	-	-	-	-	-	-	0.9552	2.35	107	1.38	2.26	-	YM
		2217.089	-	-	-	-	-	-	-							
TN330-2-6	221710340	2217.091	-	-	-	-	-	-	-	0.9552	2.63	111	1.52	2.74	-	YM
		2217.102	-	-	-	-	-	-	-							
TN330-2-6	221710350	2217.104	6.39	163	180	68	85	1.75	70	0.9552	2.42	109	1.25	2.57	2.46 x 10 ⁻³	YM
		2217.093	6.28	161	176	67	84	1.81	70							
TN330-2-6	221710360	2217.105	-	-	-	-	-	-	-	0.9552	2.56	106	1.44	3.13	-	EC
		2217.087	-	-	-	-	-	-	-							
TN330-2-6	221710370	2217.095	-	-	-	-	-	-	-	0.9552	2.33	110	1.23	2.38	-	EC
		2217.100	-	-	-	-	-	-	-							
TN330-2-6	221710380	2217.121	-	-	-	-	-	-	-	0.9543	2.65	108	1.66	2.94	-	EC
		2217.112	-	-	-	-	-	-	-							
TN330-2-6	221710385	2217.121	6.38	162	177	70	78	1.75	70	0.9543	-	-	-	-	2.34 x 10 ⁻³	EC
		2217.112	6.66	160	174	71	79	1.75	70							
TN330-2-6	221710390	2217.110	-	-	-	-	-	-	-	0.9543	2.41	112	1.34	1.95	-	EC
		2217.126	-	-	-	-	-	-	-							
TN330-2-6	221710400	2217.113	-	-	-	-	-	-	-	0.9543	2.68	109	1.68	2.81	-	EC
		2217.128	-	-	-	-	-	-	-							

TABLE 3.4.1

SUMMARY OF DRAINAGE GEOCOMPOSITE MANUFACTURER CERTIFICATION
 CONSTRUCTION CERTIFICATION REPORT
 EAST PLANT AREA COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

Product	Geocomposite Roll Number	Roll Number	Weight (oz/sq yd)	Geotextile Fabric ⁽¹⁾				Permittivity (sec ⁻¹)	AOS (sieve size/mm)	Geonet ⁽²⁾		Geocomposite ⁽³⁾			CRA Approval ⁽⁴⁾	
				Grab Strength (lb/in)		Grab Elongation (%)				Density (g/cc)	Carbon Black (%)	Tensile Strength - Machine Direction (lb/ft)	Ply Adhesion (lb/in)	Average		Transmissivity (m ² /s)
				Machine Direction	Cross Direction	Machine Direction	Cross Direction									
TN330-2-6	221710410	2217.130	-	-	-	-	-	-	-	0.9543	2.34	111	1.42	2.42	-	EC
		2217.111	-	-	-	-	-	-	-							
TN330-2-6	221710420	2217.109	6.34	170	171	73	76	1.75	70	0.9543	2.57	107	1.60	3.02	2.42 x 10 ⁻³	EC
		2217.132	6.67	161	178	67	83	1.75	70							
TN330-2-6	221710430	2217.117	-	-	-	-	-	-	-	0.9543	2.49	110	1.33	2.19	-	EC
		2217.129	-	-	-	-	-	-	-							
TN330-2-6	221710440	2217.131	-	-	-	-	-	-	-	0.9543	2.62	108	1.55	2.71	-	EC
		2217.114	-	-	-	-	-	-	-							
TN330-2-6	221710450	2217.134	-	-	-	-	-	-	-	0.9543	2.32	112	1.28	2.25	-	EC
		2217.116	-	-	-	-	-	-	-							
TN330-2-6	221710455	2217.134	6.67	161	178	67	83	1.75	70	0.9543	-	-	-	-	2.38 x 10 ⁻³	EC
		2217.116	6.34	164	172	74	75	1.75	70							
TN330-2-6	221710460	2217.122	-	-	-	-	-	-	-	0.9543	2.51	106	1.69	3.12	-	EC
		2217.133	-	-	-	-	-	-	-							
TN330-2-6	221710470	2217.120	-	-	-	-	-	-	-	0.9543	2.47	109	1.46	2.39	-	EC
		2217.123	-	-	-	-	-	-	-							
TN330-2-6	221710480	2217.138	-	-	-	-	-	-	-	0.9543	2.60	107	1.59	2.87	-	EC
		2217.151	-	-	-	-	-	-	-							
TN330-2-6	221710490	2217.153	6.44	165	179	75	84	1.8	70	0.9543	2.36	110	1.25	2.48	2.43 x 10 ⁻³	EC
		2217.136	6.26	166	173	65	81	1.75	70							
TN330-2-6	221710500	2217.156	-	-	-	-	-	-	-	0.9543	2.59	106	1.54	3.04	-	EC
		2217.140	-	-	-	-	-	-	-							
TN330-2-6	221710510	2217.143	-	-	-	-	-	-	-	0.9543	2.45	111	1.22	2.17	-	EC
		2217.152	-	-	-	-	-	-	-							
TN330-2-6	221710520	2217.145	-	-	-	-	-	-	-	0.9543	2.66	108	1.42	2.79	-	EC
		2217.154	-	-	-	-	-	-	-							
TN330-2-6	221710525	2217.145	6.21	169	170	71	82	1.75	70	0.9543	-	-	-	-	2.36 x 10 ⁻³	EC
		2217.154	6.44	165	179	75	84	1.8	70							
TN330-2-6	221710530	2217.160	-	-	-	-	-	-	-	0.9543	2.30	112	1.35	2.21	-	EC
		2217.139	-	-	-	-	-	-	-							
TN330-2-6	221710540	2217.162	-	-	-	-	-	-	-	0.9543	2.55	107	1.64	3.18	-	EC
		2217.144	-	-	-	-	-	-	-							
TN330-2-6	221710550	2217.148	-	-	-	-	-	-	-	0.9543	2.43	110	1.25	2.31	-	EC
		2217.161	-	-	-	-	-	-	-							
TN330-2-6	221710560	2217.157	6.23	167	173	70	80	1.8	70	0.9543	2.64	106	1.49	2.89	2.49 x 10 ⁻³	EC
		2217.146	6.21	169	170	71	82	1.75	70							
TN330-2-6	221710570	2217.164	-	-	-	-	-	-	-	0.9542	2.38	111	1.31	2.44	-	EC
		2217.176	-	-	-	-	-	-	-							
TN330-2-6	221710580	2217.178	-	-	-	-	-	-	-	0.9542	2.53	109	1.65	3.08	-	EC
		2217.168	-	-	-	-	-	-	-							
TN330-2-6	221710590	2217.183	-	-	-	-	-	-	-	0.9542	2.31	112	1.21	2.11	-	EC
		2217.163	-	-	-	-	-	-	-							
TN330-2-6	221710595	2217.183	6.69	160	176	75	85	1.8	70	0.9542	-	-	-	-	2.39 x 10 ⁻³	EC
		2217.163	6.68	161	175	72	83	1.8	70							
TN330-2-6	221710600	2217.170	-	-	-	-	-	-	-	0.9542	2.69	108	1.48	2.73	-	EC
		2217.182	-	-	-	-	-	-	-							

TABLE 3.4.1

SUMMARY OF DRAINAGE GEOCOMPOSITE MANUFACTURER CERTIFICATION
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 GM CET BEDFORD FACILITY
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Product	Geocomposite Roll Number	Roll Number	Weight (oz/sq yd)	Geotextile Fabric ⁽¹⁾				Permittivity (sec ⁻¹)	AOS (sieve size/mm)	Geonet ⁽²⁾		Geocomposite ⁽³⁾			CRA Approval ⁽⁴⁾	
				Grab Strength (lb/in)		Grab Elongation (%)				Density (g/cc)	Carbon Black (%)	Tensile Strength - Machine Direction (lb/ft)	Ply Adhesion (lb/in)			Transmissivity (m ² /s)
				Machine Direction	Cross Direction	Machine Direction	Cross Direction						Minimum	Average		
TN330-2-6	221710610	2217.172	-	-	-	-	-	-	0.9542	2.48	110	1.30	2.29	-	EC	
		2217.184	-	-	-	-	-	-								
TN330-2-6	221710620	2217.181	-	-	-	-	-	-	0.9542	2.50	107	1.61	3.14	-	EC	
		2217.173	-	-	-	-	-	-								
TN330-2-6	221710630	2217.165	6.25	168	171	68	78	1.8	0.9542	2.39	111	1.26	2.37	2.48 x 10 ⁻³	EC	
		2217.186	6.28	164	170	68	79	1.8								
TN330-2-6	221710640	2217.171	-	-	-	-	-	-	0.9542	2.61	106	1.42	2.85	-	EC	
		2217.188	-	-	-	-	-	-								
TN330-2-6	221710650	2217.189	-	-	-	-	-	-	0.9542	2.42	112	1.37	2.46	-	EC	
		2217.174	-	-	-	-	-	-								
TN330-2-6	221710660	2217.191	-	-	-	-	-	-	0.9542	2.58	109	1.65	3.06	-	EC	
		2217.212	-	-	-	-	-	-								
TN330-2-6	221710665	2217.191	6.43	162	179	70	83	1.8	0.9542	-	-	-	-	2.41 x 10 ⁻³	EC	
		2217.212	6.58	161	179	71	84	1.77								
TN330-2-6	221710670	2217.177	-	-	-	-	-	-	0.9542	2.33	106	1.27	2.15	-	EC	
		2217.195	-	-	-	-	-	-								
TN330-2-6	221710680	2217.213	-	-	-	-	-	-	0.9542	2.67	110	1.44	2.77	-	EC	
		2217.190	-	-	-	-	-	-								
TN330-2-6	221710690	2217.199	-	-	-	-	-	-	0.9542	2.44	108	1.34	2.23	-	EC	
		2217.210	-	-	-	-	-	-								
TN330-2-6	221710700	2217.218	6.32	169	170	67	75	1.77	0.9542	2.52	111	1.62	3.20	2.45 x 10 ⁻³	EC	
		2217.197	6.31	170	173	66	75	1.8								
TN330-2-6	221710710	2217.215	-	-	-	-	-	-	0.9542	2.37	107	1.23	2.35	-	EC	
		2217.198	-	-	-	-	-	-								
TN330-2-6	221710720	2217.193	-	-	-	-	-	-	0.9542	2.63	112	1.45	2.83	-	EC	
		2217.206	-	-	-	-	-	-								
TN330-2-6	221710730	2217.204	-	-	-	-	-	-	0.9542	2.46	110	1.36	2.33	-	EC	
		2217.208	-	-	-	-	-	-								
TN330-2-6	221710735	2217.204	6.49	165	177	73	80	1.77	0.9542	-	-	-	-	2.40 x 10 ⁻³	EC	
		2217.208	6.24	167	171	69	78	1.77								
TN330-2-6	221710740	2217.214	-	-	-	-	-	-	0.9542	2.56	106	1.54	3.10	-	EC	
		2217.217	-	-	-	-	-	-								
TN330-2-6	221710750	2217.221	-	-	-	-	-	-	0.9542	2.35	109	1.22	2.13	-	EC	
		2217.207	-	-	-	-	-	-								
TN330-2-6	221710760	2217.203	-	-	-	-	-	-	0.9540	2.65	107	1.41	2.75	-	EC	
		2217.222	-	-	-	-	-	-								
TN330-2-6	221710770	2217.223	6.70	163	175	74	81	1.77	0.9540	2.40	110	1.32	2.27	2.47 x 10 ⁻³	EC	
		2217.196	6.31	170	173	66	75	1.8								
TN330-2-6	221710780	2217.219	-	-	-	-	-	-	0.9540	2.54	108	1.56	3.16	-	EC	
		2217.205	-	-	-	-	-	-								
TN330-2-6	4342101001	4342.002	6.34	164	178	71	75	1.81	0.9562	2.26	108	1.24	1.76	1.6 x 10 ⁻³	SM	
		4342.016	6.32	170	171	72	83	1.81								
TN330-2-6	4342101010	4342.006	-	-	-	-	-	-	0.9562	2.49	111	1.46	2.43	-	SM	
		4342.011	-	-	-	-	-	-								
TN330-2-6	4342101020	4342.009	-	-	-	-	-	-	0.9562	2.38	106	1.35	1.88	-	SM	
		4342.014	-	-	-	-	-	-								

TABLE 3.4.1

**SUMMARY OF DRAINAGE GEOCOMPOSITE MANUFACTURER CERTIFICATION
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EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

Product	Geocomposite Roll Number	Roll Number	Weight (oz/sq yd)	Geotextile Fabric ⁽¹⁾				Permittivity (sec ⁻¹)	AOS (sieve size/mm)	Geonet ⁽²⁾		Geocomposite ⁽³⁾			CRA Approval ⁽⁴⁾	
				Grab Strength (lb/in)		Grab Elongation (%)				Density (g/cc)	Carbon Black (%)	Tensile Strength - Machine Direction (lb/ft)	Dy Adhesion (lb/in)			Transmissivity (m ² /s)
				Machine Direction	Cross Direction	Machine Direction	Cross Direction						Minimum	Average		
TN330-2-6	4342101030	4342.001	-	-	-	-	-	-	-	0.9562	2.57	110	1.55	2.07	-	SM
		4342.003	-	-	-	-	-	-	-							
TN330-2-6	4342101035	4342.001	6.34	164	178	71	75	1.81	70	0.9562	-	-	-	-	1.67 x 10 ⁻³	SM
		4342.003	6.34	164	178	71	75	1.81	70							
TN330-2-6	4342101040	4342.013	-	-	-	-	-	-	-	0.9562	2.53	107	1.5	1.95	-	SM
		4342.015	-	-	-	-	-	-	-							
TN330-2-6	4342101050	4342.004	-	-	-	-	-	-	-	0.9562	2.24	112	1.60	2.18	-	SM
		4342.007	-	-	-	-	-	-	-							
TN330-2-6	45041010001	4504.010	6.45	162	177	71	76	1.77	70	0.9568	2.51	111	1.48	1.99	1.64 x 10 ⁻³	SM
		4504.001	6.27	161	175	75	81	1.77	70							
TN330-2-6	45041010010	4504.002	-	-	-	-	-	-	-	0.9568	2.40	108	1.39	2.31	-	SM
		4504.007	-	-	-	-	-	-	-							
TN330-2-6	45041010020	4504.008	-	-	-	-	-	-	-	0.9568	2.59	112	1.56	2.07	-	SM
		4504.005	-	-	-	-	-	-	-							
TN330-2-6	45041010030	4504.006	-	-	-	-	-	-	-	0.9568	2.68	110	1.26	2.59	-	SM
		4504.003	-	-	-	-	-	-	-							
TN330-2-6	45041010030	4504.006	6.37	163	172	74	75	1.77	70	0.9568	-	-	-	-	1.62 x 10 ⁻³	SM
		4504.003	6.27	161	175	75	81	1.77	70							
TN330-2-6	45041010040	4504.009	-	-	-	-	-	-	-	0.9568	2.33	113	1.32	2.24	-	SM
		4504.011	-	-	-	-	-	-	-							
FX-86HS	-	2008960924	-	269.73	297.18	72.67	76.59	-	-	-	-	-	-	-	-	EC
FX-86HS	-	2008970214	-	220.37	318.68	64.01	63.99	-	-	-	-	-	-	-	-	EC
FX-86HS	-	2008079155	-	249.99	299.99	66.04	61.67	-	-	-	-	-	-	-	-	EC
FX-86HS	-	2009822733	-	251.74	412.16	63.04	63.01	-	-	-	-	-	-	-	-	EC
FX-86HS	-	2009847364	-	222.90	281.56	62.54	97.96	-	-	-	-	-	-	-	-	EC
FX-86HS	-	2009920927	-	309.80	346.10	74.10	84.40	-	-	-	-	-	-	-	-	EC
FX-86HS	-	2010354445	-	315.30	280.50	72.60	73.80	-	-	-	-	-	-	-	-	EC
FX-86HS	-	2010611882	-	360.17	360.03	79.15	79.14	-	-	-	-	-	-	-	-	EC
FX-86HS	-	2010354514	-	307.40	267.00	70.00	75.90	-	-	-	-	-	-	-	-	EC
FX-86HS	-	2010354620	-	285.39	291.69	67.00	68.00	1.81	80	-	-	-	-	-	-	EC
FX-86HS	-	2010841444	-	259.04	293.19	62.16	67.17	1.95	80	-	-	-	-	-	-	EC
FX-86HS	-	2010841452	-	261.66	292.56	58.70	65.37	1.95	80	-	-	-	-	-	-	EC
FX-86HS	-	2010841472	-	236.84	303.79	62.19	68.01	1.95	80	-	-	-	-	-	-	EC
FX-86HS	-	2010841490	-	229.01	311.56	62.57	64.73	1.95	80	-	-	-	-	-	-	EC
GEOTEX	-	2010605222	-	269	308	77	81	-	-	-	-	-	-	-	-	EC
GEOTEX	-	2010658694	-	229	275	69	71	-	-	-	-	-	-	-	-	EC
GEOTEX	-	2010841306	-	282	302	77	93	-	-	-	-	-	-	-	-	EC
GEOTEX	-	2010841313	-	306	312	85	86	-	-	-	-	-	-	-	-	EC
GEOTEX	-	2010841495	-	229	312	63	65	-	-	-	-	-	-	-	-	EC
GEOTEX	-	2010841532	-	254	303	65	68	-	-	-	-	-	-	-	-	EC
GEOTEX	-	2010995987	-	344	398	67	75	-	-	-	-	-	-	-	-	EC
GE180-180	-	020226711	8.27	229	232	68	76	1.37	80	-	-	-	-	-	-	SM
GE180-180	-	020226764	8.55	232	241	74	82	1.33	80	-	-	-	-	-	-	SM
GE180-15	-	17409.01	8.33	228	233	68	76	1.37	80	-	-	-	-	-	-	SB
GE180-15	-	17409.05	8.55	232	241	72	84	1.37	80	-	-	-	-	-	-	SB
GE180-180	-	040310755	8.15	227	233	68	79	1.37	80	-	-	-	-	-	-	SM

TABLE 3.4.1

SUMMARY OF DRAINAGE GEOCOMPOSITE MANUFACTURER CERTIFICATION
 CONSTRUCTION CERTIFICATION REPORT
 EAST PLANT AREA COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

Product	Geocomposite Roll Number	Roll Number	Weight (oz/sq yd)	Geotextile Fabric ⁽¹⁾				Permittivity (sec ⁻¹)	AOS (sieve size/mm)	Geonet ⁽²⁾		Geocomposite ⁽³⁾			CRA Approval ⁽⁴⁾	
				Grab Strength (lb/in)		Grab Elongation (%)				Density (g/cc)	Carbon Black (%)	Tensile Strength - Machine Direction (lb/ft)	Ply Adhesion (lb/in)			Transmissivity (m ² /s)
				Machine Direction	Cross Direction	Machine Direction	Cross Direction						Minimum	Average		
GE180-180	-	040310764	8.41	233	241	74	81	1.37	80	-	-	-	-	-	-	SM
GE180-180	-	21061.01	8.55	235	242	74	85	1.35	80	-	-	-	-	-	-	SM
GE180-180	-	21061.05	8.33	230	235	69	78	1.35	80	-	-	-	-	-	-	SM
GE180-180	-	21061.10	8.48	232	238	71	82	1.35	80	-	-	-	-	-	-	SM
GE180-180	-	21061.15	8.21	225	233	66	75	1.35	80	-	-	-	-	-	-	SM
GE180-180	-	21061.20	8.40	234	241	73	84	1.35	80	-	-	-	-	-	-	SM
GE180-180	-	21061.25	8.26	228	236	70	79	1.35	80	-	-	-	-	-	-	SM
GE180-15	-	6167.01	8.56	230	239	71	83	1.39	80	-	-	-	-	-	-	SM
GE180-15	-	6167.05	8.12	233	245	69	78	1.39	80	-	-	-	-	-	-	SM
GE180-15	-	6167.10	8.38	225	242	74	81	1.39	80	-	-	-	-	-	-	SM
GE180-15	-	6167.15	8.25	231	235	65	75	1.39	80	-	-	-	-	-	-	SM
GE180-15	-	6167.20	8.41	228	230	72	85	1.39	80	-	-	-	-	-	-	SM
GE180-15	-	6167.25	8.60	235	241	67	79	1.39	80	-	-	-	-	-	-	SM

Notes:

- ⁽¹⁾ Per Section 02073 - Drainage Geocomposite of the East Plant Area Final Cover System specifications, geotextile fabric shall conform to the following properties:
 Fabric Weight (ASTM D5261): 5.6 ounce per square yard (minimum)
 Grab (Tensile) Strength (ASTM D4632): 140 pounds (minimum)
 Grab Elongation (ASTM D4632): 50% to 140%
 Permittivity (ASTM D4491): 0.5 sec⁻¹ (minimum)
 Apparent Opening Size (AOS) (ASTM D4751): 70 sieve size (maximum) or 0.210 mm (maximum)
 QA testing procedures required that one permittivity test and one apparent opening size test be conducted per 100,000 ft² of geotextile fabric.
- ⁽²⁾ Per Section 02073 - Drainage Geocomposite of the East Plant Area Final Cover System specifications, drainage geonet core shall conform to the following properties:
 Density (ASTM D1505): 0.94 g/cc (minimum)
 Carbon Black Content (ASTM D1603): 2.0% (minimum)
 Tensile Strength in Machine Direction (ASTM D4595): 450 pounds per foot or 37.5 pounds per inches (minimum)
 QA testing procedures required that one density test, one carbon black content test, and one tensile strength (machine direction) test be conducted per 50,000 ft² of drainage net core.
- ⁽³⁾ Per Section 02073 - Drainage Geocomposite of the East Plant Area Final Cover System specifications, drainage geocomposite shall conform to the following properties:
 Ply Adhesion (ASTM F904 Modified): 0.5 pounds per inch (minimum)
 Transmissivity (ASTM D4716): 1x10⁻³ m²/sec (minimum w/ 0.1 gradient), 5x10⁻⁴ m²/sec (minimum w/ 0.2 gradient)
 QA testing procedures required that one transmissivity test be conducted per 200,000 ft² of drainage geocomposite and one ply adhesion test be conducted per 200,000 ft² of drainage geocomposite.
- ⁽⁴⁾ Approval refers to visual inspection of material from individual rolls and receipt of manufacturer supplied certification.
- "-" Data not available or property not tested for.

**EI CA750 GROUNDWATER MONITORING LOCATIONS
CONSTRUCTION CERTIFICATION REPORT
EAST PLANT AREA COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Location</i>	<i>Description</i>	<i>Sampling Parameters</i>	<i>Level/NAPL Check</i>
9-4 ⁽¹⁾	Shallow Bedrock	PCB, Chlorinated Organics	Level
CH-1B	Shallow Bedrock	PCB	NAPL
CH-2A	Shallow Bedrock	PCB	NAPL
CH-5	Shallow Bedrock	PCB	NAPL
CH-9A	Shallow Bedrock	VOC, SVOC, PCB	NAPL
CH-20 ⁽¹⁾	Shallow Bedrock	PCB, Chlorinated Organics	Level
CH-23 ⁽¹⁾	Shallow Bedrock	PCB, Chlorinated Organics	Level
CH-42	Shallow Bedrock	PCB	NAPL
CH-42A	Shallow Bedrock	PCB	NAPL
CH-43	Shallow Bedrock	PCB	NAPL
CH-44	Shallow Bedrock	PCB	NAPL
MW-X000Y105	Shallow Bedrock	VOC, SVOC, PCB	Level
MW-X012Y078	Shallow Bedrock	PCB	Level
MW-X012Y100	Shallow Bedrock	PCB	NAPL
MW-X033Y147S	Shallow Bedrock	PCB	Level
MW-X043Y176	Shallow Bedrock	PCB	Level
MW-X043Y186	Shallow Bedrock	PCB	Level
MW-X047Y236	Shallow Bedrock	PCB	Level
MW-X060Y304	Shallow Bedrock	PCB	Level
MW-X085Y070S-1	Shallow Bedrock	PCB	NAPL
MW-X085Y070S-2	Shallow Bedrock	PCB	NAPL
MW-X169Y058S-1	Shallow Bedrock	PCB, Vinyl Chloride	Level
MW-X209Y053	Shallow Bedrock	PCB	NAPL
MW-X227Y049	Shallow Bedrock	PCB	NAPL
MW-X227Y054	Shallow Bedrock	PCB	NAPL
MW-X261Y356D-3	Intermediate Bedrock	PCB	Level
MW-X277Y100	Shallow Bedrock	VOC, SVOC, PCB	Level
MW-X297Y305D-2	Intermediate Bedrock	PCB	Level
MW-X300Y199I-1	Intermediate Bedrock	PCB	Level
MW-X300Y199I-2	Shallow Bedrock	PCB	Level
MW-X300Y199I-3	Shallow Bedrock	PCB	Level
MW-X300Y199I-4	Shallow Bedrock	PCB	Level
MW-X315Y115	Shallow Bedrock	PCB	Level
MW-X315Y150	Shallow Bedrock	PCB	Level
Tributary 3-3	Surface Water	PCB	-
MW-X012Y090	Shallow Bedrock	-	Level
MW-X012Y110	Shallow Bedrock	-	Level
MW-X022Y094	Shallow Bedrock	-	Level
MW-X022Y096	Shallow Bedrock	-	Level
MW-X190Y048	Shallow Bedrock	-	Level
MW-X192Y048	Shallow Bedrock	-	Level
MW-X209Y078S	Shallow Bedrock	-	Level
MW-X237Y058	Shallow Bedrock	-	Level
MW-X242Y060S	Shallow Bedrock	-	Level
MX-X272Y038	Shallow Bedrock	-	Level
MX-X288Y005	Shallow Bedrock	-	Level

Notes:

Sampling is conducted semi-annually

Static groundwater elevation measurements are conducted quarterly

(1) - Monitoring added since EI CA750 Submission to supplement Vault Monitoring

NAPL - Non-Aqueous Phase Liquid

If NAPL or a sheen is present at the time of sampling, a groundwater sample will not be collected.

If the NAPL or sheen/emulsion has not been previously characterized, a characterization sample will be collected.

Field parameters are also collected at time of sampling

Appendix A

Approvals



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.idem.IN.gov

VIA CERTIFIED MAIL: 7002 350 0003 3227 6212

October 26, 2006

Ms. Cheryl R. Hyatt
Project Manager
General Motors Corporation
Worldwide Facilities Group
2000 Centerpoint Parkway
Mail Code: 483-520-190
Pontiac, Michigan 48341-3147

Re: PCB Risk-Based Disposal Approval
General Motors Powertrain Bedford Facility
EPA ID # IND006036099
Bedford, Lawrence County

Dear Ms. Hyatt:

This will acknowledge receipt of the application for approval of the PCB Risk-based disposal proposal received by this Office on April 28, 2006, as well as subsequent additional information for the above mentioned disposal facility.

The proposed PCB Risk-based disposal "vault" is located at 105 GM Drive in Bedford, Lawrence County, Indiana. The specific coordinates for this "vault" are as follows: latitude North 38° 52' 54" and longitude West 86° 28' 52".

Approval of this proposal is hereby granted in accordance with the Indiana Regulations of Wastes Containing PCBs, 329 IAC 4.1-4-1 and subject to the terms of this letter and the enclosed "Conditions for Approval". The Indiana Department of Environmental Management reserves the right to take enforcement action against the applicant herein for failure to comply with the terms and conditions of this approval.

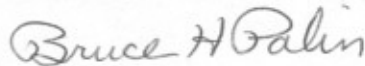
This approval allows for the disposal of a maximum capacity of approximately 125,000 cubic yards into the "vault." To dispose of additional waste, or other waste not discussed in the "Conditions for Approval", you must make a request, in writing, to the IDEM. This request must include information demonstrating that the additional disposal is protective of human health and the environment.

The issuance of this approval does not supersede the requirements of any other agency of local, state or federal government.

Pursuant to IC 4-21.5, a Petition for Review of this approval letter may be initiated by you, as applicant, or by an "aggrieved or adversely affected person". This approval becomes effective once all applicable time periods for petitioning for Stay of Effectiveness have expired, unless you are notified in writing by an Environmental Law Judge that the approval has been further stayed. As discussed in the enclosed "Notice of Decision", if you wish to challenge this decision, you must file a Petition for Review with the Office of Environmental Adjudication within eighteen (18) days from the date that this approval letter was mailed, pursuant to IC 4-21.5-3-7.

If you have further questions regarding this matter, please contact Mr. George Ritchotte of the Office of Land Quality's Industrial Waste Section at (317) 308-3123.

Sincerely,



Bruce H Palin
Assistant Commissioner
Office of Land Quality

Enclosures

cc: Lawrence County Health Department

CONDITIONS OF APPROVAL

SCOPE OF WORK

1. The Permittee may dispose of the following PCB contaminated waste in the vault located at latitude North 38° 52' 54" and longitude West 86° 28' 52": approximately 110,000 cubic yards of PCB contaminated soil generated from the excavation of 50 ppm and over PCB contaminated soil from the East Plant Area of the site, PCB contaminated soil generated from the excavation of 50 ppm and over PCB contaminated soil from the northern tributary, sediments collected from the wheel wash operation and imported granular material originally used for access road construction but which has contacted PCB contaminated fill or soils excavated from the East Plant Area.
2. The leachate from the leachate collection system and the leak detection system, the water from the underdrain and groundwater from the groundwater collection trench must be treated at the temporary water treatment facility until the permanent water treatment facility is operational. Water released from the temporary water treatment facility must be discharged under requirements established under CERCLA. Water released from the permanent water treatment facility must be discharged under a National Pollutant Discharge Elimination System (NPDES) Permit.

WASTE PLACEMENT

3. The PCB contaminated waste placed in the vault must be capable of attaining sufficient strength to prevent subsidence, ponding on the waste or on the cap, and slope movement, i.e., creep.
4. All vehicles delivering waste to the vault must be washed before entering the public road. Waste water generated from truck washing activities must be collected and treated for disposal.
5. If a truck leaves an exclusion zone or switches to a material other than PCB contaminated waste, it must be decontaminated.

UNDERDRAIN WATER MONITORING AND DISPOSAL

6. The level of water in the underdrain must be monitored daily and any accumulation discharged to the temporary water treatment facility. The Permittee can propose an alternate schedule once the permanent water treatment facility is operational.
7. The level of water in the underdrain must be maintained at less than 1 foot. Should the level increase beyond one foot in response to a storm event, accumulated water shall be removed for treatment at the maximum achievable removal rate until the level is reduced to below one foot.

LEACHATE AND LEAK DETECTION SYSTEM WATER MONITORING AND DISPOSAL

8. While the vault is open and receiving PCB contaminated material, the Permittee must sample the leachate and the leak detection system water monthly for PCBs before it is sent to the

temporary water treatment facility. This same schedule will apply once the leachate and leak detection water is sent to the permanent water treatment facility.

9. After closure of the vault, the Permittee may submit an alternate leachate and leak detection monitoring schedule, as part of the East Plant Area long-term monitoring plan, for IDEM review and approval.
10. The leachate and leak detection system water must be managed in accordance with the following Federal TSCA leachate management policy:
 - a. Leachate and leak detection water whose PCB content is equal to or greater than 50 ppm PCBs is PCB waste and must be treated or disposed of in accordance with the PCB regulations.
 - b. Leachate and leak detection water with PCB concentrations between 1 ppm to, but not including, 50 ppm is TSCA reportable material that must be managed in compliance with the U.S. EPA CERCLA order or a NPDES permit.
 - c. Leachate and leak detection water with a PCB concentration of less than 1 ppm must be managed in compliance with the U.S. EPA CERCLA order or a NPDES permit.
11. Leachate samples must be tested for
 - a. PCBs
 - b. pH
 - c. Specific Conductance
 - d. Chlorinated Organics identified in Table 1 (attached) and analyzed according to Method 8260B.
 - e. Physicochemical characteristics necessary to characterize the leachate for treatment in the temporary and permanent water treatment facility.
12. The secondary leak detection system must be monitored for:
 - a. Quantity of water
 - b. PCBs
 - c. Sufficient physicochemical characteristics of the water produced in order to determine whether a leak of the membrane has occurred and to characterize the water for treatment in the temporary and permanent water treatment facility.
13. While the vault is open and receiving PCB contaminated material, the Permittee must monitor the water level over the primary liner to ensure that it does not exceed 1 foot. Should the level increase beyond one foot in response to a storm event, accumulated water shall be removed for treatment at the maximum achievable removal rate until the level is reduced below one foot. The maximum water elevation must be recorded monthly and reported annually.

14. After closure of the vault, the Permittee may submit an alternate schedule for monitoring the water level over the primary liner, as part of the East Plant Area long-term monitoring plan, for IDEM review and approval.

GROUNDWATER MONITORING

15. The Permittee must construct a groundwater collection trench around the perimeter of the East Plant Area. If the trench is not constructed, the IDEM may terminate this approval and might require the PCB waste to be removed from the vault and disposed of at a facility permitted to accept this waste.
16. The construction and monitoring schedule for the perimeter groundwater collection trench must be submitted to the IDEM for review and approval.
17. Groundwater, including background samples, must be monitored for:
 - a. PCBs
 - b. pH
 - c. Specific Conductance
 - d. Chlorinated Organics identified in Table 1 (attached) and analyzed according to Method 8260B.
18. The groundwater must be treated at the temporary water treatment facility and discharged under the requirements established under CERCLA or the permanent water treatment facility and discharged in compliance with a NPDES permit.

SPILL CLEANUP

19. Cleanup of onsite PCB spills/releases which are outside the Exclusion Zones established in accordance with the Site Health and Safety Plan must begin upon discovery by the Permittee. These spills must also be cleaned up pursuant to 329 IAC 4.1, which incorporates 40 CFR Part 761, Subpart G, PCB Spill Cleanup Policy, or 40 CFR § 761.61, PCB Remediation Waste, as applicable. PCB spills/releases on public roads must be cleaned up in accordance with 40 CFR Part 761, Subpart G, PCB Spill Cleanup Policy. The cleanup standards in the PCB Spill Cleanup Policy may only be applied for spills of PCBs that are less than 72 hours old.
20. Any debris or solid wastes generated as a result of cleanup or decontamination of a PCB spill or release may be disposed of in the vault.

AMBIENT AIR MONITORING

21. While the vault is open and accepting PCB contaminated material, total suspended particulate (tsp) and high volume PCB air monitoring must be conducted in accordance with the report submitted by the Permittee titled Air Monitoring Requirements During the Over 50 mg/kg PCB Soil Removal for the East Plant Area.

FLOOD PROTECTION

22. If the vault is ever determined to be in the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map 100 year flood plain, the waste in the vault must be removed or protected by a flood control structure whose minimum elevation is at least 2 feet above the respective 100 year flood plain elevation. Rainwater falling on the vault must not be allowed to accumulate to a level that would allow its entry to the leachate collection system or the secondary leak detection system through the manhole risers or clean outs.

QUALITY ASSURANCE FOR ENVIRONMENTAL DATA AND INFORMATION

23. The Permittee must perform sampling and analysis in accordance the Quality Assurance Project Plan, RCRA Facility Investigation and Removal Action Works Plans Addendum No.2 dated July 19, 2006.

FINAL CONSTRUCTION REPORT

24. The Final Construction Report for the vault must contain the information as described in the vault application plus all photographs taken during the construction of the vault.

RECORDKEEPING

25. The Permittee must maintain a log of the following information:
- a. Daily waste information
 - i. identification of the source (i.e. location) of excavated material
 - ii. estimated quantity (volume and/or weight) of material excavated and placed in the vault
 - b. The quantity of liquid collected from the leachate collection system.
 - c. The quantity of liquid collected from the leak detection system.
 - d. The quantity of liquid collected from the underdrain.
 - e. The water elevation in the underdrain and over the primary liner.
 - f. The amount of water treated in the water treatment facility and the PCB concentration, if known.
26. All required documents must be collected and maintained for at least 20 years after the vault is no longer used for the disposal of PCB waste. The required documents must be kept at one central location and must be made available for inspection by authorized representatives of the IDEM.

REPORTING

27. An annual report for the previous calendar year must be submitted to the IDEM by July 15 of each year. The report must include:
 - a. A summary of the information itemized in the log required by Condition 25 of this Approval.
 - b. All analytical results from the monitoring of the air, groundwater, leachate, leak detection and underdrain and the water treatment facility analytical results.
 - c. The volume, PCB concentration and disposal destination for leachate and leak detection water with a PCB concentration equal or greater than 1 ppm.
 - d. A summary of the water elevation over the primary liner and in the underdrain.
 - e. Spill cleanup reports, if any.
 - f. Updated financial assurance for the operation, closure and post-closure care costs adjusted annually.
28. The first annual report submitted under this Approval must contain the most recent analytical results for groundwater collected from the closest wells around the vault, prior to any placement of PCB contaminated waste in the vault.

NOTICE

29. Within 1 working day of discovery, the Permittee must notify the IDEM by telephone of any incident, anomaly or accident that may affect the disposal conditions of this Approval or that has or may result in the release of PCBs to the environment. The Permittee also must provide a written notification within 7 days.
30. Within 1 working day of discovery, the Permittee must notify the IDEM by telephone of any statistically significant increase in leak detection system samples. The Permittee also must provide a written notification within 7 days.
31. Within 1 working day of discovery, the Permittee must notify the IDEM by phone if the water level over the primary liner or in the underdrain exceeds 1 foot.
32. Within 5 days of discovery, the Permittee must verbally notify the IDEM of any non-compliance of the NPDES permit at Outfall 003, or the requirements established under CERCLA followed by a written report regarding the incident and the steps taken or that will be taken to correct the situation.
33. For the 1 working day telephone notification, the Permittee must contact the IDEM at (317) 308-3103. For the 7 day written notification, the Permittee must submit the report to the Commissioner of IDEM at the following address:

Attn: Commissioner
Indiana Department of Environmental Management
100 N. Senate Avenue
Indianapolis, Indiana 46204-2251

34. If there is a spill or release of the equivalent of 1 pound or more of pure PCBs, the Permittee must notify the National Response Center at (800) 424-8802 and the IDEM Emergency Response Section at (888) 233-7745 within 24 hours.

VAULT SECURITY

35. The vault must be secured to restrict public access in accordance with the procedures outlined in Section 8.0 of the Vault Development Plan.

INSPECTION

36. The IDEM reserves the right for its employees and authorized representatives to perform inspections, review records, and take samples at any reasonable time.

CLOSURE AND POST-CLOSURE

37. PCB waste may not be disposed of in the vault after the placement of:
- a. Approximately 110,000 cubic yards of PCB contaminated soil generated from the excavation of 50 ppm and over PCB contaminated soil from the East Plant Area of the site.
 - b. PCB contaminated soil generated from the excavation of 50ppm and over PCB contaminated soil from the northern tributary fill area.
 - c. Sediments collected from the wheel wash operation while the 50 ppm and over material excavated from the East Plant Area is being placed in the vault.
 - d. Imported granular materials originally used for access road construction but which has contacted the 50 ppm and over PCB contaminated fill or soils excavated from the East Plant Area.
38. As described in Section 11.0 of the Vault Development Plan, the Permittee must submit a closure and post-closure plan to the IDEM for review and approval a minimum of 21 days prior to closure of the vault.
39. The closure and post-closure plan must contain the information described in Section 11.0 of the Vault Development Plan plus a detailed estimate of closure and post-closure care costs.
40. The Permittee must receive written approval of the closure plan from the Commissioner of IDEM, or a designee, prior to closing the vault.

41. Any surfaces outside of the vault, but within the area to be capped under the Final Corrective Measure, that was contaminated by spills of PCB contaminated material that was to be disposed of in the vault, must be cleaned to 50 ppm or 10 $\mu\text{g}/100\text{ cm}^2$ of PCBs.
42. Upon closure of the vault, the Permittee must remediate the roads and parking lots used during the disposal of the PCB contaminated material, except roads and parking areas which are otherwise addressed as part of the Corrective Action activities, in accordance with the cleanup standards outlined in 329 IAC 4.1-4-1, incorporating 40 CFR § 761.61.
43. The Permittee must care for the vault and perform post-closure environmental monitoring and maintenance in perpetuity.

FINANCIAL ASSURANCE

44. The Permittee must establish financial assurance for the operation, closure and post-closure care costs. The Permittee may use any combination of financial assurance mechanisms described in 329 IAC 4.1-4-1, incorporating 40 CFR § 761.65(g). The financial assurance mechanism can be part of the financial assurance mechanism developed for the East Plant Area or the Final Corrective Measure.
45. The Permittee must submit proof of financial assurance to the IDEM annually. If the IDEM determines that the amount is inadequate, the Permittee must obtain additional financial assurance funding.
46. The Permittee must annually adjust the closure and post-closure care cost estimates for inflation. This may require an increase in the financial assurance funding mechanism.
47. The Permittee must adjust the operation, closure and post-closure care cost estimates for any modification or change that increases these costs. This may require an increase in the financial assurance funding mechanism.
48. Post-closure financial assurance must be maintained in perpetuity.

MODIFICATIONS

49. The Permittee must notify the IDEM in writing of any intended modifications to this Approval or their application.
50. Any major modification of this Approval requires the written approval of the Commissioner of IDEM, or a designee. A major modification is a material change in design or operation of the vault. Such changes include, but are not limited to, changes in the scope of work of the Approval. Increasing disposal capacity beyond that specified in Condition 1 is an example of a major modification.
51. Any minor modification of the PCB disposal operations and monitoring procedures requires written approval of the Commissioner of IDEM, or a designee. A minor modification is a change in operations that is not a major modification, such as changing the groundwater, leachate or air monitoring locations, the analytical methodology or waste acceptance procedures.

52. If there is any question as to whether a change in operations is a major or minor modification, such question should be raised to the appropriate representative(s) of the IDEM as soon as possible. In such cases, the IDEM will determine whether a proposed change in major or minor.

APPROVAL EXPIRATION

53. This Approval does not expire unless and until all PCBs are removed from the vault. Otherwise, the Approval's conditions remain valid in perpetuity.
54. The Permittee's authorization to place PCBs in the vault will expire upon placement of the material itemized in Condition 1.

COMPLIANCE AND APPROVAL SUSPENSION AND TERMINATION

55. Nothing in this Approval relieves the Permittee from the duty to comply with all applicable state and Federal laws, including, but not limited to CERCLA, RCRA and TSCA and the regulations promulgated there under.
56. Any knowing or persistent failure of the Permittee to comply with all applicable Federal laws, regulations, requirements or orders could result in the termination of the Permittee's authority to dispose of PCBs in the vault.
57. Failure to comply with any provision of this Approval, TSCA, and the Federal PCB regulations found at 40 CFR Part 761, or any other applicable Federal, state or local requirements may constitute a sufficient basis for suspension or termination of the Approval.
58. The Approval also may be terminated if the Commissioner of the IDEM, or a designee, determines that the vault poses an unreasonable risk to human health or the environment.

PCB DISPOSAL AUTHORITY REINSTATEMENT

59. The Commissioner of IDEM, or a designee, may reinstate the Approval if it is determined that the Permittee is in compliance with the applicable state and Federal laws and the conditions of the Approval and the vault no longer poses an unreasonable risk to human health or the environment.

SEVERABILITY

60. All terms and/or conditions of this Approval are severable. If any provision(s) of this Approval or any application of any provision, is changed, amended, or held invalid, the remaining terms and conditions will still be valid and not affected thereby.

OWNERSHIP TRANSFER

61. The requirement and responsibilities for perpetual care transfers with ownership of the vault.

62. The Permittee must provide a written notice to the IDEM at least 90 days in advance of any planned transfer in ownership of the vault. The name of the prospective transferee must be included in the notice
63. The prospective transferee must submit to the IDEM at least 90 days before the transfer:
 - a. A notarized affidavit signed by the transferee which states that the transferee will abide by the conditions of the Approval.
 - b. A listing of past environmental violations by the transferee, its employees or assigns.
 - c. The qualifications of the principals and key employees.
 - d. Documentation of acceptable financial assurance and funding pursuant to 329 IAC 4.1-4-1, incorporating the TSCA regulations at 40 C.F.R. § 761.65(g).
64. After reviewing the notification, affidavit and background information, the IDEM will either issue a modified approval substituting the transferee's name for the transferor's name, or require the transferee to apply for a new PCB disposal approval. The transferee must abide by the conditions of the Approval and the application submitted by General Motors Corporation on October 17, 2005, and the revised application submitted by General Motors Corporation on June 16, 2006, until the IDEM issues a modified approval or until notified otherwise.
65. If the IDEM requires the transferee to apply for a new PCB disposal approval, the transferee must submit to the Commissioner of IDEM a complete TSCA application for disposal, closure and post-closure care. The Commissioner may also require any additional information necessary to ensure that the vault poses no unreasonable risk to health and the environment.

BANKRUPTCY

66. In the event that the Permittee, or its successor or assigns, file for bankruptcy, the Permittee shall immediately provide written notice of such to the Commissioner of IDEM.

TABLE I

Parameter	STORET No.	CAS No.
Bromodichloromethane	32101	75-27-4
Bromoform	32104	75-25-2
Bromomethane	34413	74-83-9
Carbon tetrachloride	32102	56-23-5
Chlorobenzene	34301	108-90-7
Chloroethane	34311	75-00-3
2-Chloroethylvinyl ether	34576	100-75-8
Chloroform	32106	67-66-3
Chloromethane	34418	74-87-3
Dibromochloromethane	32105	124-48-1
1,2-Dichlorobenzene	34536	95-50-1
1,3-Dichlorobenzene	34566	541-73-1
1,4-Dichlorobenzene	34571	106-46-7
Dichlorodifluoromethane	34668	75-71-8
1,1-Dichloroethane	34496	75-34-3
1,2-Dichloroethane	34531	107-06-2
1,1-Dichloroethene	34501	75-35-4
trans-1,2-Dichloroethene	34546	156-60-5
1,2-Dichloropropane	34541	78-87-5
cis-1,3-Dichloropropene	34704	10061-01-5
trans-1,3-Dichloropropene	34699	10061-02-6
Methylene chloride	34423	75-09-2
1,1,2,2-Tetrachloroethane	34516	79-34-5
Tetrachloroethene	34475	127-18-4
1,1,1-Trichloroethane	34506	71-55-6
1,1,2-Trichloroethane	34511	79-00-5
Tetrachloroethene	39180	79-01-6
Trichlorofluoromethane	34488	75-69-4
Vinyl chloride	39715	75-01-4

Parameter	STORET No.	CAS No.
Benzene	34030	71-43-2
Chlorobenzene	34301	108-90-7
1,2-Dichlorobenzene	34536	95-50-1
1,3-Dichlorobenzene	34566	541-73-1
1,4-Dichlorobenzene	34571	106-46-7
Ethylbenzene	34371	100-41-4
Toluene	34010	108-88-3



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

OCT 26 2006

REPLY TO THE ATTENTION OF:

D-8J

Cheryl R. Hiatt, Project Manager
General Motors Corporation
Worldwide Facilities Group Remediation Team
2000 Centerpoint Parkway (483-520-190)
Pontiac, Michigan 48341-3147

Re: Toxic Substances Control Act Approval to Dispose of Polychlorinated Biphenyls

Dear Ms. Hiatt:

Enclosed is the Toxic Substances Control Act (TSCA) Risk-Based Approval to Dispose of Polychlorinated Biphenyls (PCBs). This Approval is issued pursuant to 40 CFR § 761.61(c) of the Federal PCB regulations for the disposal of PCB contaminated waste in the PCB disposal facility (vault) located in the former north stormwater basin at the East Plant Area of General Motors Corporation's (GM) Bedford, Indiana facility (Site).

We are granting this Approval based on our finding that the disposal of PCBs in the vault is in compliance with the conditions in the enclosed Approval and does not pose an unreasonable risk of injury to health or the environment. This Approval is effective today and is based on our review of the East Plant Area Vault Design Report (application), the Vault Development Plan, supplemental information that you submitted in support of your application, and all of the other site-specific factors and information that you submitted as part of the East Plant Area Interim Measure.

This Approval is solely for the disposal of the following PCB contaminated material in the vault, as identified in the conditions of the enclosed approval. No other PCB contaminated material may be disposed of in the vault.

1. Approximately 110,000 cubic yards of PCB contaminated soil and incidental debris from the excavation of 50 ppm and over PCB contaminated fill or overburden soil within the East Plant Area of the Site.
2. 50 ppm and over PCB contaminated material from the northern tributary fill area excavation.
3. Sediments collected from the wheel wash operation.

4. Imported granular material originally used for access road construction but which has contacted PCB contaminated fill or soil excavated from the East Plant Area.

The Approval does not relieve GM from the responsibility to comply with all applicable provisions of TSCA and the Federal PCB regulations or any other applicable Federal, state or local regulations.

If you have any questions regarding this approval, please contact Jean Greensley, of my staff, at (312) 353-1171.

Sincerely,

A handwritten signature in cursive script, appearing to read "Bruce F. Sypniewski".

Bruce F. Sypniewski, Deputy Director
Waste, Pesticides and Toxics Division

Enclosure

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5**

IN THE MATTER OF:

General Motors Powertrain
Bedford Facility
105 GM Drive
Bedford, Indiana 47421-1558

Corporate Address:

General Motors Corporation
Worldwide Facilities Group
Remediation Team
2000 Centerpoint Parkway
Pontiac, Michigan 48341-3147

PERMITTEE

**RISK-BASED APPROVAL TO DISPOSE OF
POLYCHLORINATED BIPHENYLS (PCBs)
ISSUED PURSUANT TO 40 CFR § 761.61(c)**

AUTHORITY

This risk-based disposal approval (Approval) is issued pursuant to Section 6(e)(1) of the Toxic Substances Control Act (TSCA) of 1976, Public Law No. 94-469, 15 U.S.C. § 2605(e)(1), and the Federal PCB regulations promulgated thereunder, 40 CFR § 761.61(c).

Any and all information required to be maintained under or submitted pursuant to this Approval is not subject to the requirements of the Paperwork Reduction Act of 1980, 44 U.S.C. § 3501, et seq., because such information is collected by the United States Environmental Protection Agency (U.S. EPA or Agency), Region 5 from the Permittee for the purpose of assuring compliance with this Approval.

EFFECTIVE DATES

This Approval is effective upon the signature of the Director of the Waste, Pesticides and Toxics Division, U.S. EPA, Region 5. On that date, the issuance of this Approval shall be considered a final Agency action.

BACKGROUND

Section 6(e)(1)(A) of TSCA requires that the U.S. EPA promulgate rules for the disposal of PCBs. The rules implementing Section 6(e)(1)(A) were published in the Federal Register on February 17, 1978, (43 Fed. Reg. 7150), recodified in the Federal Register on May 6, 1982, (47 Fed. Reg. 19527), and modified in the Federal Register of June 29, 1998. Those rules require, among other things, that various types of PCBs be disposed of in U.S. EPA-approved disposal facilities. The February 17, 1978 Federal Register also designated the Regional Administrator as the approval authority for PCB disposal facilities. On June 5, 2001, the U.S. EPA delegated, among other things, the authority to approve or deny permit applications to operate PCB storage and disposal facilities from the Regional Administrator to the Director of the Waste, Pesticides and Toxics Division. This Approval is based on the Federal PCB regulations at 40 CFR § 761.61(c).

On October 17, 2005, General Motors (Permittee), as owner of the General Motors Powertrain Bedford, Indiana Facility (Site) and operator of the proposed PCB disposal facility (vault), submitted an East Plant Area Vault Design Report (application) to the U.S. EPA for approval under 40 CFR § 761.61(c) to dispose of PCB contaminated waste generated from the clean up of PCB contaminated soil at the Site. On June 16, 2006, the Permittee submitted a revised East Plant Area Vault Design Report (revised application) to U.S. EPA. The vault that is the subject of this Approval has been constructed in the former north stormwater basin (AOI 7) that is no longer in service. The vault is located in the East Plant Area of the Site which is east of GM Drive, west of the existing Stormwater Lagoon and between a General Motors (GM) owned parking lot referred to as the Zipp Trucking parking lot to the north and the East Plant parking lot to the south (Figure 1.3, Vault Application).

FINDINGS

1. The Site is an approximately 152.5 acre property located at 105 GM Drive in Bedford, Indiana 47421-1558. The property is located on either side of GM Drive and extends north along Bailey Scales Road (Figure 1.2, Vault Application).
2. The coordinates for the Site are latitude North 38° 52' 54" and longitude West 86° 28' 52".
3. The Site is zoned and used for industrial purposes.
4. The Permittee's mailing address and physical address is: General Motors Corporation, Worldwide Facilities Group Remediation Team, 2000 Centerpoint Parkway, Pontiac, Michigan 48341-3146.
5. The East Plant Area is east of GM Drive and west of Bailey Scales Road (Figure 1.3, Vault Application).
6. The Site stratigraphy, from top to bottom, is:
 - a. Variable thicknesses of overburden materials consisting of foundry sand fill, clay and silt.
 - b. The St. Louis Formation which is a limestone that is highly weathered and fractured near the surface, with the degree of weathering decreasing with depth. The formation is about 25 feet thick in the area of the vault.
 - c. The Salem Limestone which is 70 to 80 feet thick. The Salem Limestone formation is generally less weathered and fractured than the St. Louis Formation. The weathering and fractures are evident at the erosional rock surface but the formation becomes more homogeneous with depth.
7. Borings drilled into the bedrock at the Site, along with optical televiewer logs, indicate that the shallow bedrock contains solution enhanced features (epikarst) and that the deeper bedrock lacks significant amounts of weathering and fractures and has a lower overall hydraulic conductivity (January 20, 2006 Technical Memorandum by Dr. B.H. Kueper titled Site Conceptual Model Contaminant Migration, GM Powertrain Bedford Facility, Bedford, Indiana).
8. Regionally, the area is characterized by sinkholes that are five to ten miles west of the Site and caves that are between one to five miles of the Site. None of these features are evident in the area of the vault.
9. The vault has been constructed in the former north stormwater basin (AOI 7) which is no longer in service.

10. The bedrock exposed in the excavation of the former north stormwater basin showed the following:
 - a. Subaerial dissolution and epikarst development on the surface of the bedrock.
 - b. A 2 x 2 foot void in the southeast corner of the excavation.
 - c. A clay-filled vertical fracture in the northeast corner of the excavation within the St. Louis Formation.
11. Geophysical investigation of the bedrock and the void showed the following:
 - a. No indication that there was any continuation of the void at depth or that the void extended laterally beyond the bounding lines 240E and 260E (Figure 2.2, Comments – Technical Memorandum Regarding U.S. EPA Comments on October 14, 2005 Geophysics Memorandum East Plant Area Vault Design Report [October 17, 2005]).
 - b. No additional voids of significance in the footprint of the vault.
 - c. The clay in the vertical fracture was excavated and the fracture was found to be only 12 to 18 inches deep and above the groundwater elevation at the Site.
12. The fracture, as well as another fracture, was bridged with larger diameter rock and covered with concrete to eliminate any potential for settlement.
13. A gravel underdrain was placed on the bedrock surface of the excavated stormwater basin to eliminate any potential for piping of the clay liner into bedrock voids in the epikarst through seasonal groundwater fluctuation or leakage through the bottom liner system.
14. Regionally, groundwater resources are found along the valley of major streams and within a thick Mississippian carbonate aquifer system.
15. The hydrogeology at the East Plant Area is as follows:
 - a. Shallow groundwater flow through the unconsolidated overburden material and the upper fractured and weathered bedrock.
 - b. Recharge to the aquifer through the overburden material and directly into the bedrock where it is exposed.
 - c. Discharge of the shallow bedrock groundwater occurs through springs and seeps in topographically low areas such as creeks and ditches.
 - d. Surface runoff is primarily to the east and northeast in small valleys which are tributaries of Bailey's Branch of Pleasant Run Creek. Surface runoff to the west of the facility is minimal.

16. The water table occurs at depths of 5 to 15 feet below ground surface.
17. There are domestic wells within the vicinity of the Site but none are used for drinking water.
18. The vault is not in the 100 year floodplain.
19. The vault has been constructed with the following features:
 - a. An underdrain consisting of a minimum of six inches of gravel, perforated high density polyethylene (HDPE) collection pipes and an eight ounce non-woven, needle punched geotextile with three oil seep collection pipes and sumps (Drawing C-02, Vault Application).
 - b. A primary 60 mil textured HDPE synthetic membrane liner and a secondary 60 mil thick low level density polyethylene (LLDPE) liner each of which exceeds the 30 mil thickness specified in the TSCA Chemical Waste Landfill regulations at 40 CFR § 761.75 for a landfill that is not located on a clay pan.
 - c. A primary and secondary liner each comprised of 12 inches of re-compacted clay and a Geocomposite Clay Liner (GCL). Twelve inches of re-compacted clay and the GCL is an acceptable substitute for the 36 inches of re-compacted clay which is the TSCA Chemical Waste Landfill minimum requirement (40 CFR § 761.75). The hydraulic conductivity of the clay and the GCL meet the required hydraulic conductivity of 10^{-7} cm/sec.
 - d. A compound leachate collection system that consists of a primary leachate collection system and a secondary leak detection system. The primary leachate collection system consists of 6 inch HDPE perforated piping installed within 12 inches of $\frac{1}{2}$ inch diameter gravel. The secondary leak detection system consists of a geocomposite drainage net placed between the 12 inches of clay in the primary liner and the LLDPE liner with geotextile fabric on either side of the geonet. The compound leachate collection system meets the requirements for a TSCA Chemical Waste Landfill under 40 CFR § 761.75.
 - e. A secondary LLDPE liner above the secondary clay/GCL liner and below the secondary leachate collection system. Above this is the primary clay/GCL liner overlain by the HDPE liner and the primary leachate collection system. The underdrain is below this double liner/double leachate collection system.
20. When the vault is filled, it will be covered with a cap constructed of 24 inches of compacted clay, a 60 mil textured flexible membrane liner (fml), a geonet, 18 inches of cover fill, 6 inches of top soil and a vegetative cover.
21. The vault will have a maximum capacity of approximately 135,000 cubic yards based on 4H:1V slopes on the cap.

22. Disposal in the vault involves the following:
 - a. Placement of approximately 110,000 cubic yards of PCB contaminated soil and incidental debris from the excavation of 50 ppm and over PCB contaminated fill or overburden soil within the East Plant Area of the Site into the vault including:
 - i. Material from the staging pad immediately north of the storm water pond, which will be placed into the vault first.
 - ii. Material from the east parking lot, currently staged in Grading Area 4, which will be placed into the vault second.
 - iii. Material from the Phase I excavation in the Zipp Trucking parking lot.
 - iv. 50 ppm and over PCB contaminated material that will be excavated from the east parking lot.
 - v. 50 ppm and over PCB contaminated material excavated from AOI 4.
 - b. Placement in the vault of 50 ppm and over PCB contaminated material from the northern tributary fill area excavation.
 - c. Placement in the vault of sediments collected from the wheel wash operation.
 - d. Placement in the vault of imported granular material originally used for access road construction but which has contacted PCB contaminated fill or soil excavated from the East Plant Area.
23. The leachate from the collection system and the leak detection system and the water from the underdrain will be treated at the temporary water treatment facility under requirements established under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) until the new water treatment system is operational when it will be discharged under a National Pollutant Discharge Elimination System (NPDES) Permit.
24. While the vault is actively operating and accepting PCB contaminated material, the Permittee will maintain an operating log that contains the following information:
 - i. Source (i.e., location) of excavated material.
 - ii. Estimated quantity (volume and/or weight) of excavated material.
 - iii. The estimated volume of excavated material disposed of in the vault on a daily basis.
25. The Permittee has filed the document, "Notification of PCB Waste Activity," Form 7710-53 (12-89) and has received the U.S. EPA identification number IND 006036099.

CONDITIONS OF APPROVAL

SCOPE OF WORK

1. The Permittee can dispose of the following PCB contaminated waste in the vault located at latitude North 38° 52' 54" and longitude West 86° 28' 52": approximately 110,000 cubic yards of PCB contaminated soil generated from the excavation of 50 ppm and over PCB contaminated soil within the East Plant Area of the Site, PCB contaminated soil generated from the excavation of 50 ppm and over PCB contaminated soil from the northern tributary, sediments collected from the wheel wash operation and imported granular material originally used for access road construction but which has contacted PCB contaminated fill or soils excavated from the East Plant Area.
2. The leachate from the leachate collection system and the leak detection system, the water from the underdrain and groundwater from the groundwater collection trench must be treated at the temporary water treatment facility until the permanent water treatment facility is operational. Water released from the temporary water treatment facility must be discharged under requirements established under CERCLA. Water released from the permanent water treatment facility must be discharged under a NPDES Permit.

WASTE PLACEMENT

3. The PCB contaminated waste placed in the vault must be capable of attaining sufficient strength to prevent subsidence, ponding on the waste or on the cap, and slope movement, i.e., creep.
4. All vehicles delivering waste to the vault must be washed before entering the public road. Waste water generated from truck washing activities must be collected and treated for disposal.
5. If a truck leaves an exclusion zone or switches use to a material other than PCB contaminated waste, it must be decontaminated.

UNDERDRAIN WATER MONITORING AND DISPOSAL

6. The level of water in the underdrain must be monitored daily and any accumulation must be discharged to the temporary water treatment facility. The Permittee can propose an alternate schedule once the permanent water treatment facility is operational.
7. The level of water in the underdrain must be maintained at less than one foot. Should the level increase beyond one foot in response to a storm event, accumulated water must be removed for treatment at the maximum achievable removal rate until the level is reduced to below one foot.

LEACHATE AND LEAK DETECTION SYSTEM WATER MONITORING AND DISPOSAL

8. While the vault is open and receiving PCB contaminated material, the Permittee must sample the leachate and the leak detection system water monthly for PCBs before it is sent to the temporary water treatment facility. This same schedule will apply once the leachate and leak detection water is sent to the permanent water treatment facility.
9. After closure of the vault, the Permittee may submit an alternate leachate and leak detection monitoring schedule, as part of the East Plant Area long-term monitoring plan, for U.S. EPA, Region 5 review and approval.
10. The leachate and leak detection system water must be managed in accordance with the following TSCA leachate management policy:
 - a. Leachate and leak detection water whose PCB content is equal to or greater than 50 ppm PCBs is PCB waste and must be treated or disposed of in accordance with the PCB regulations.
 - b. Leachate and leak detection water with PCB concentrations from 1 ppm to, but not including, 50 ppm is TSCA reportable material that must be managed in compliance with the U.S. EPA CERCLA order or a NPDES permit.
 - c. Leachate and leak detection water with a PCB concentration of less than 1 ppm must be managed in compliance with the U.S. EPA CERCLA order or a NPDES permit.
11. Leachate samples must be tested for
 - a. PCBs
 - b. pH
 - c. Specific Conductance
 - d. Chlorinated Organics identified in Table 1 (attached) and analyzed according to Method 8260B.
 - e. Physicochemical characteristics necessary to characterize the leachate for treatment in the temporary and permanent water treatment facility.
12. The secondary leak detection system must be monitored for:
 - a. Quantity of water
 - b. PCBs

- c. Sufficient physiochemical characteristics of the water produced in order to determine whether a leak of the membrane has occurred and to characterize the water for treatment in the temporary and permanent water treatment facility.
13. While the vault is open and receiving PCB contaminated material, the Permittee must monitor the water level over the primary liner to ensure that it does not exceed one foot. Should the level increase beyond one foot in response to a storm event, accumulated water shall be removed for treatment at the maximum achievable removal rate until the level is reduced below one foot. The maximum water elevation must be recorded monthly and reported annually.
14. After closure of the vault, the Permittee may submit an alternate schedule for monitoring the water level over the primary liner, as part of the East Plant Area long-term monitoring plan, for U.S. EPA, Region 5 review and approval.

GROUNDWATER MONITORING

15. The Permittee must construct a groundwater collection trench around the perimeter of the East Plant Area. If the trench is not constructed, the U.S. EPA may terminate this Approval and might require the PCB waste to be removed from the vault and disposed of at a facility permitted to accept this waste.
16. The construction and monitoring schedule for the perimeter groundwater collection trench must be submitted to the U.S. EPA, Region 5 for review and approval.
17. Groundwater, including background samples, must be monitored for:
 - a. PCBs
 - b. pH
 - c. Specific Conductance
 - d. Chlorinated Organics identified in Table 1 (attached) and analyzed according to Method 8260B.
18. The groundwater must be treated at the temporary or permanent water treatment facility and discharged in compliance with the U.S. EPA CERCLA order or a NPDES permit.

SPILL CLEANUP

19. Cleanup of onsite PCB spills which are outside of the Exclusion Zones established in accordance with the Site Health and Safety Plan must begin upon discovery by the Permittee. These spills must be cleaned up in accordance with 40 CFR Part 761, Subpart G, PCB Spill Cleanup Policy, or 40 CFR § 761.61, PCB Remediation Waste, as applicable. PCB spills on public roads must be cleaned up in accordance with 40 CFR Part 761,

Subpart G, PCB Spill Cleanup Policy. The cleanup standards in the PCB Spill Cleanup Policy may only be applied for spills of PCBs that are less than 72 hours old.

20. Any debris or solid wastes generated as a result of cleanup or decontamination of a PCB spill or release may be disposed of in the vault.

AMBIENT AIR MONITORING

21. While the vault is open and accepting PCB contaminated material, total suspended particulate (TSP) and high volume PCB air monitoring must be conducted in accordance with the report submitted by the Permittee titled Air Monitoring Requirements During the Over 50 mg/kg PCB Soil Removal for the East Plant Area.

FLOOD PROTECTION

22. If the vault is ever determined to be in the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map 100 year flood plain, the waste in the vault must be removed or protected by a flood control structure whose minimum elevation is at least 2 feet above the respective 100 year flood plain elevation. Rainwater falling on the vault must not be allowed to accumulate to a level that would allow its entry to the leachate collection system or the secondary leak detection system through the manhole risers or clean outs.

QUALITY ASSURANCE FOR ENVIRONMENTAL DATA AND INFORMATION

23. The Permittee must perform sampling and analysis in accordance with the Quality Assurance Project Plan RCRA Facility Investigation and Removal Action Work Plans Addendum No. 2 dated July 19, 2006.

FINAL CONSTRUCTION REPORT

24. The Final Construction Report for the vault must contain the information as described in the vault application plus all photographs taken during the construction of the vault.

RECORDKEEPING

25. The Permittee must record the following information in a log:
 - a. Daily waste information.
 - i. identification of the source (i.e., location) of excavated material
 - ii. estimated quantity (volume and/or weight) of material excavated and placed in the vault
 - b. The quantity of liquid collected from the leachate collection system.

- c. The quantity of liquid collected from the leak detection system.
 - d. The quantity of liquid collected from the underdrain.
 - e. The water elevation in the underdrain and over the primary liner.
 - f. The amount of water treated in the water treatment facility and the PCB concentration, if known.
26. All required documents must be collected and maintained for at least 20 years after the vault is no longer used for the disposal of PCB waste. The required documents must be kept at one central location and must be made available for inspection by authorized representatives of the U.S. EPA, Region 5.

REPORTING

27. An annual report for the previous calendar year must be submitted to the U.S. EPA, Region 5 by July 15 of each year. The report must include:
- a. A summary of the information itemized in the log required by Condition 25 of this Approval.
 - b. All analytical results from the monitoring of the air, groundwater, leachate, leak detection and underdrain and the water treatment facility analytical results.
 - c. The volume, PCB concentration and disposal destination for leachate and leak detection water with a PCB concentration equal or greater than 1 ppm.
 - d. A summary of the water elevation over the primary liner and in the underdrain.
 - e. Spill cleanup reports, if any.
 - f. Updated financial assurance for the operation, closure and post-closure care costs adjusted annually.
28. The first annual report submitted under this Approval must contain the most recent analytical results for groundwater collected from the closest wells around the vault, prior to any placement of PCB contaminated waste in the vault.

NOTICE

29. Within one working day of discovery, the Permittee must notify the U.S. EPA, Region 5 by telephone of any incident, anomaly or accident that may affect the disposal conditions of this Approval or that has or may result in the release of PCBs to the environment. The Permittee also must provide a written notification within seven days.

30. Within one working day of discovery, the Permittee must notify the U.S. EPA, Region 5 by telephone of any statistically significant increase in leak detection system samples. The Permittee also must provide a written notification within seven days.
31. Within one working day of discovery, the Permittee must notify the U.S. EPA, Region 5 by phone if the water level over the primary liner or in the underdrain exceeds one foot.
32. Within five days of discovery, the Permittee must verbally notify the U.S. EPA, Region 5 of any non-compliance of the NPDES permit at Outfall 003 or the requirements established under CERCLA followed by a written report regarding the incident and the steps taken or that will be taken to correct the situation.
33. For the one working day telephone notification, the Permittee must contact the U.S. EPA, Region 5, Toxics Program Section, at (312) 886-6003. For the seven day written notification, the Permittee must submit the report to the Director of the Waste Pesticides and Toxics Division at the following address:

WPTD Director (D-8J)
U.S. EPA, Region 5
77 W. Jackson Blvd.
Chicago, Illinois 60604-3590
34. If there is a spill or release of the equivalent of 1 pound or more of pure PCBs, the Permittee must notify the National Response Center at (800) 424-8802 within 24 hours.

VAULT SECURITY

35. The vault must be secured to restrict public access in accordance with the procedures outlined in Section 8.0 of the Vault Development Plan.

INSPECTION

36. The Agency reserves the right for its employees and authorized representatives to perform inspections, review records, and take samples at any reasonable time.

CLOSURE AND POST-CLOSURE

37. PCB waste may not be disposed of in the vault after the placement of:
 - a. Approximately 110,000 cubic yards of PCB contaminated soil generated from the excavation of 50 ppm and over PCB contaminated soil within the East Plant Area of the Site.
 - b. PCB contaminated soil generated from the excavation of 50 ppm and over PCB contaminated soil from the northern tributary fill area.

- c. Sediments collected from the wheel wash operation while the 50 ppm and over material excavated from the East Plant Area is being placed in the vault.
 - d. Imported granular materials originally used for access road construction but which has contacted the 50 ppm and over PCB contaminated fill or soils excavated from the East Plant Area.
38. The Permittee must submit a closure and post-closure plan to the U.S. EPA, Region 5 for review and approval a minimum of 21 days prior to closure of the vault.
 39. The closure and post-closure plan must contain the information described in Section 11.0 of the Vault Development Plan plus a detailed estimate of closure and post-closure care costs.
 40. The Permittee cannot close the vault unless the Permittee has received written approval of the closure plan from the Director of the Waste Pesticides and Toxics Division, U.S. EPA, Region 5.
 41. The Permittee must clean any surfaces within the East Plant Area contaminated by spills of PCB material that was to be disposed of in the vault. The surfaces must be cleaned to 50 ppm or $10 \mu\text{g}/100 \text{ cm}^2$.
 42. Upon closure of the vault, the Permittee must remediate the roads and parking lots used during the disposal of the PCB contaminated material, except roads and parking areas which are otherwise addressed as part of the Corrective Action activities, in accordance with the cleanup standards outlined in 40 CFR § 761.61.
 43. The Permittee must care for the vault and perform post-closure environmental monitoring and maintenance in perpetuity.

FINANCIAL ASSURANCE

44. The Permittee must establish financial assurance for the operation, closure and post-closure care costs. The Permittee may use any combination of financial assurance mechanisms described in 40 CFR § 761.65(g). The financial assurance mechanism can be part of the financial assurance mechanism developed for the East Plant Area or the Final Corrective Measure.
45. The Permittee must submit proof of financial assurance to the U.S. EPA, Region 5 annually. If the U.S. EPA, Region 5 determines that the amount is inadequate, the Permittee must obtain additional financial assurance funding.
46. The Permittee must annually adjust the closure and post-closure care cost estimates for inflation. This may require an increase in the financial assurance funding mechanism.

47. The Permittee must adjust the operation, closure and post-closure care cost estimates for any modification or change that increases these costs. This may require an increase in the financial assurance funding mechanism.
48. Financial assurance must be maintained in perpetuity.

MODIFICATIONS

49. The Permittee must notify the U.S. EPA, Region 5 in writing of any intended modifications to this Approval or their application.
50. Any major modification of this Approval requires the written approval of the Director of the Waste Pesticides and Toxics Division, U.S. EPA, Region 5. A major modification is a material change in design or operation of the vault. Such changes include, but are not limited to, changes in the scope of work of the Approval. Increasing disposal capacity beyond that specified in Condition 1 is an example of a major modification.
51. Any minor modification of this Approval requires written approval of the Chief of the Pesticides and Toxic Substances Branch, Waste Pesticides and Toxics Division, U.S. EPA, Region 5. A minor modification is a change in operations that is not a major modification, such as changing the groundwater, leachate or air monitoring locations, the analytical methodology or waste acceptance procedures.
52. If there is any question as to whether a change in operations is a major or minor modification, such question should be raised to the appropriate representative(s) of the U.S. EPA, Region 5 as soon as possible. In such cases, the Agency will determine whether a proposed change is major or minor.

APPROVAL EXPIRATION

53. This Approval does not expire unless and until all PCBs are removed from the vault. Otherwise, the Approval's conditions remain valid in perpetuity.
54. The Permittee's authorization to place PCBs in the vault will expire upon placement of the material itemized in Condition 1.

COMPLIANCE AND APPROVAL SUSPENSION AND TERMINATION

55. Nothing in this Approval relieves the Permittee from the duty to comply with all applicable state and Federal laws, including, but not limited to CERCLA, RCRA and TSCA and the regulations promulgated thereunder.
56. Any knowing or persistent failure of the Permittee to comply with all applicable Federal laws, regulations, requirements or orders could result in the termination of the Permittee's authority to dispose of PCBs in the vault.

57. Failure to comply with any provision of this Approval, TSCA, the Federal PCB regulations found at 40 CFR Part 761, or any other applicable Federal, state or local requirements may constitute a sufficient basis for suspension or termination of the Approval.
58. Failure to completely and effectively implement components and tasks of the East Plant Area Interim Measure in a manner that will not present an unreasonable risk to human health and the environment may result in the termination of this Approval and, subsequently, may result in the requirement to remove the PCB waste from the vault and dispose of the removed material at a permitted facility.
59. This Approval may be terminated if the Director of the Waste, Pesticides and Toxics Division, U.S. EPA, Region 5 determines that the vault poses an unreasonable risk to human health or the environment.

PCB DISPOSAL AUTHORITY REINSTATEMENT

60. The Director of the Waste, Pesticides and Toxics Division, U.S. EPA, Region 5 may reinstate the Approval if it is determined that the Permittee is in compliance with the applicable state and Federal laws and the conditions of the Approval and the vault no longer poses an unreasonable risk to human health or the environment.

SEVERABILITY

61. All terms and/or conditions of this Approval are severable. If any provision(s) of this Approval or any application of any provision, is changed, amended, or held invalid, the remaining terms and conditions will still be valid and not affected thereby.

OWNERSHIP TRANSFER

62. The requirement and responsibilities for perpetual care transfers with ownership of the vault.
63. The Permittee must provide a written notice to the U.S. EPA, Region 5 at least 90 days in advance of any planned transfer in ownership of the vault. The name of the prospective transferee must be included in the notice
64. The prospective transferee must submit to the U.S. EPA, Region 5 at least 90 days before the transfer:
 - a. A notarized affidavit signed by the transferee which states that the transferee will abide by the conditions of the Approval.
 - b. A listing of past environmental violations by the transferee, its employees or assigns.
 - c. The qualifications of the principals and key employees.

- d. Documentation of acceptable financial assurance and funding pursuant to the TSCA regulations at 40 C.F.R. § 761.65(g).
65. After reviewing the notification, affidavit and background information, the U.S. EPA, Region 5 will either issue a modified approval substituting the transferee's name for the transferor's name, or require the transferee to apply for a new PCB disposal approval. The transferee must abide by the conditions of the Approval and the application submitted by General Motors Corporation on October 17, 2005 and the revised application submitted by General Motors Corporation on June 16, 2006, until the U.S. EPA, Region 5 issues a modified approval or until notified otherwise.
66. If the U.S. EPA, Region 5 requires the transferee to apply for a new PCB disposal approval, the transferee must submit to the Regional Administrator a complete TSCA application for disposal, closure and post-closure care. The Regional Administrator may also require any additional information necessary to ensure that the vault poses no unreasonable risk to health and the environment.

BANKRUPTCY

67. In the event that the Permittee, or its successor or assigns, declare bankruptcy, the Permittee shall immediately provide written notice of such to the Director of the Waste, Pesticides and Toxics Division, U.S. EPA, Region 5.


APPROVAL

Approval is hereby granted to General Motors Corporation to dispose of PCB contaminated material from the East Plant Area of the Bedford Powertrain Facility in a vault constructed on the Site at 105 GM Drive in Bedford, Indiana at latitude North 38° 52' 54" and longitude West 86° 28' 52", subject to the Approval Conditions stated herein, and based on the information described in the application submitted by General Motors Corporation on October 17, 2005; the Vault Development Plan submitted by General Motors Corporation on February 28, 2006; the revised application submitted by General Motors Corporation on June 16, 2006 and additional information submitted by General Motors at the request of the U.S. EPA, Region 5.

The Approval shall become effective on the date of the signature and remain in effect unless revoked, suspended or terminated in accordance with the Approval Conditions stated herein

General Motors Corporation is responsible for all actions of any of its agents, assigns, employees and contractors when those actions are within the scope of operating or administering the vault. This Approval does not relieve General Motors Corporation from compliance with all applicable Federal, state and local regulatory requirements, including the Federal PCB regulations at 40 CFR Part 761.

The United States Environmental Protection Agency reserves the right for its employees or agents to inspect the vault and the support facilities at any reasonable time. The U.S. EPA also reserves all legal rights available under all applicable statutes and regulations.



Bruce Sypniewski, Deputy Director
Waste, Pesticides and Toxics Division
United States Environmental Protection Agency
Region 5

10/18/06

Date

TABLE I

Parameter	STORET No.	CAS No.
Bromodichloromethane	32101	75-27-4
Bromoform	32104	75-25-2
Bromomethane	34413	74-83-9
Carbon tetrachloride	32102	56-23-5
Chlorobenzene	34301	108-90-7
Chloroethane	34311	75-00-3
2-Chloroethylvinyl ether	34576	100-75-8
Chloroform	32106	67-66-3
Chloromethane	34418	74-87-3
Dibromochloromethane	32105	124-48-1
1,2-Dichlorobenzene	34536	95-50-1
1,3-Dichlorobenzene	34566	541-73-1
1,4-Dichlorobenzene	34571	106-46-7
Dichlorodifluoromethane	34668	75-71-8
1,1-Dichloroethane	34496	75-34-3
1,2-Dichloroethane	34531	107-06-2
1,1-Dichloroethene	34501	75-35-4
trans-1,2-Dichloroethene	34546	156-60-5
1,2-Dichloropropane	34541	78-87-5
cis-1,3-Dichloropropene	34704	10061-01-5
trans-1,3-Dichloropropene	34699	10061-02-6
Methylene chloride	34423	75-09-2
1,1,2,2-Tetrachloroethane	34516	79-34-5
Tetrachloroethene	34475	127-18-4
1,1,1-Trichloroethane	34506	71-55-6
1,1,2-Trichloroethane	34511	79-00-5
Tetrachloroethene	39180	79-01-6
Trichlorofluoromethane	34488	75-69-4
Vinyl chloride	39715	75-01-4

Parameter	STORET No.	CAS No.
Benzene	34030	71-43-2
Chlorobenzene	34301	108-90-7
1,2-Dichlorobenzene	34536	95-50-1
1,3-Dichlorobenzene	34566	541-73-1
1,4-Dichlorobenzene	34571	106-46-7
Ethylbenzene	34371	100-41-4
Toluene	34010	108-88-3



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGIONS 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

MAY 09 2007

REPLY TO THE ATTENTION OF:

DT-8J

Cheryl R. Hiatt, Project Manager
General Motors Corporation
Worldwide Facilities Group Remediation Team
2000 Centerpoint Parkway (483-520-190)
Pontiac, Michigan 48341-3147

Re: Toxic Substances Control Act Approval to Dispose of Polychlorinated Biphenyls

Dear Ms. Hiatt:

This letter is to confirm that General Motors (GM) may dispose of approximately 20 cubic yards of sediment into the Toxic Substances Control Act (TSCA) approved disposal facility (vault) located at the East Plant Area of GM's Bedford, Indiana facility.

The TSCA approval allows GM to dispose of PCB contaminated soil from the East Plant area into the vault. This sediment was generated from construction and dewatering activities associated with GM's excavation of soil and rock for the installation of a 48-inch gravity sewer pipe within the East Plant area.

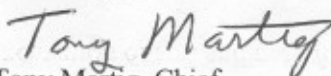
You may dispose of the sediment into the vault provided you comply with our conditions regarding stabilization of the sediment and removal and disposal of the oil in the sediment. These conditions are discussed in the following paragraphs.

GM must remove the oil droplets from the sediment in accordance with the procedure described in your April 12, 2007 email to Jean Greensley. This must be done before GM transfers the sediment from a frac tank to a double lined roll-off box. The oil and the remediation waste associated with the collection of the oil must be incinerated.

GM may use bed ash to stabilize the sediment provided it does not raise the temperature and volatilize PCBs that may be in the sediment. The amount of bed ash added to the sediment must be sufficient to strengthen the material so it can support the vault cap.

If you have any questions regarding the conditions in this letter, please contact Jean Greensley, of my staff, at 312-353-1171.

Sincerely,


Tony Martig, Chief
Toxics Program Section

cc: Jerry O'Callahan – IDEM
George Ritchotte – IDEM
Peter Ramanauskas – U.S. EPA



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

APR 15 2008

REPLY TO THE ATTENTION OF:

L-8J

Cheryl R. Hiatt, Project Manager
General Motors Corporation
Worldwide Facilities Group Remediation Team
2000 Centerpoint Parkway (483-520-190)
Pontiac, Michigan 48341-3147

Re: General Motors Corporation Request for Modification to the October 26, 2006
Toxic Substances Control Act Approval to Dispose of Polychlorinated Biphenyls

Dear Ms. Hiatt:

The U.S. Environmental Protection Agency has reviewed your October 5, 2007 request for a modification to the October 26, 2006 Approval (Approval) EPA issued to General Motors Corporation (GM). The Approval allowed GM to dispose of over 50 parts per million (ppm) material excavated from the Northern Tributary and East Plant Area at GM's Bedford Powertrain Facility (Facility) into the on-site constructed landfill vault (vault).

You are requesting a change to the Scope of Work of the Approval that would allow GM to dispose of approximately 1,407 cubic yards (cy) excavated from a portion of the Facility located west of GM Drive (West Plant Area) into the vault. Additionally, material excavated from Parcel 201 of the East Plant Area would be disposed of in the vault.

We are granting this modification to the Approval based on our review of information in your October 5, 2007 request, additional information provided in the *Request for Amendment 40 CFR 761.61(c) Approval Over 50 mg/kg PCB Soil Source Removal and Cover System Design West Plant Area* dated December 12, 2007, and supplemental information provided in response to EPA comments. EPA approves this modification provided disposal of the material excavated from the West Plant Area and Parcel 201 does not exceed the 135,000 cy capacity of the vault. If it does, the excess material must be disposed of in an off-site facility permitted to accept PCB material. To verify that GM has not exceeded the capacity of the vault, you must submit a weekly report to EPA itemizing the amount of material from the West Plant Area and Parcel 201 deposited in the vault and the remaining capacity of the vault. This report must be sent to Jean Greensley, of my staff, at the above address or submitted via email to greensley.jean@epa.gov.

This modification to the Approval is effective today and is issued pursuant to 40 CFR § 761.61(c) of the federal PCB regulations. This modification is solely for the disposal of the material generated from the West Plant Area. Disposal of the material excavated from Parcel 201 is covered under the Scope of Work of the October 26, 2006 Approval. No other PCB contaminated material may be disposed of in the vault. EPA will decide whether GM's backfilling and restoration plan for the West Plant Area excavation is acceptable once additional investigative activities in this area are performed to EPA's satisfaction. EPA will notify GM of our decision on the West Plant Area excavation in a separate letter.

This modification to the Approval does not relieve GM from the responsibility to comply with all applicable provisions of the Toxic Substances Control Act (TSCA) and the federal PCB regulations or any other applicable federal, state or local regulations. Since the State of Indiana has adopted the federal PCB regulations, no material from the West Plant Area may be disposed of in the vault until GM receives an approval for this activity from the state. This modification to the Approval does not preclude EPA from initiating an enforcement action, including seeking civil penalties, for violations of TSCA or the federal PCB regulations.

If you have any questions regarding this approval, please contact Jean Greensley at (312) 353-1171.

Sincerely,

A handwritten signature in black ink, appearing to read "Bruce F. Sypniewski", written in a cursive style.

Bruce F. Sypniewski, Deputy Director
Land and Chemicals Division

cc: Gerald O'Callahan, IDEM
George Ritchotte, IDEM

McGuigan, Jim

From: McGuigan, Jim
Sent: Tuesday, February 06, 2007 3:04 PM
To: 'Ramanauskas.Peter@epamail.epa.gov'; cheryl.r.hiatt@gm.com; ed.e.peterson@gm.com
Cc: Stimple.Brad@epamail.epa.gov; Grady, Sean; Romzick, Peter; Kamm, Katie; Bridcut, Pete; Filing
Subject: 13968 Bedford RE: Manifesting Question - TSCA Waste to On-Site Vault

Pete,
Thanks for the confirmation.

Jim McGuigan

-----Original Message-----

From: Ramanauskas.Peter@epamail.epa.gov [mailto:Ramanauskas.Peter@epamail.epa.gov]
Sent: Tuesday, February 06, 2007 2:39 PM
To: cheryl.r.hiatt@gm.com; ed.e.peterson@gm.com
Cc: McGuigan, Jim; Stimple.Brad@epamail.epa.gov
Subject: Manifesting Question

Cheryl/Ed/Jim,

According to Jean & Tony, since GM is the generator and the disposer, there is no need to manifest.

From the EPA PCB Q&A Manual:

§761.207 The Manifest - General Requirements

Q: Can a company that sends PCB wastes to its affiliated company for purposes of consolidation prior to disposal treat those shipments as internal consolidation not subject to the PCB manifesting requirements at 40 C.F.R. §761.207?

A: Yes, provided the "affiliated company" qualifies as a "related company" as discussed in the definition of "commercial storer" in §761.3.

Let me know if you have other questions.

P

Appendix B

Photographic Log



Photo No.1: East AOI-4 – Grading Fill Placement (Facing North).
February 2007



Photo No.2: AOI-5 – 750 ppm Excavation Activities (Facing East).
June 2006

**EAST PLANT AREA COVER SYSTEM
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GM CET BEDFORD FACILITY
BEDFORD, INDIANA**





Photo No.3: Parcel 216 - Loading Excavated Creek Material to be used for Grading Fill (Facing Northeast). June 2005



Photo No.4: AOI-8 - Access Road Construction (Facing North). May 2008

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Photo No.5: Parcel 201 - Grading Fill Placement (Facing Northeast).
October 2008



Photo No.6: AOI-6 - Grading Fill Placement (Facing Southeast). May 2008

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Photo No.7: East AOI-10 - Grading Fill Placement (Facing East). June 2007



Photo No.8: East AOI-10 - Grading Fill Placement (Facing Northeast).
October 2007

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BEDFORD, INDIANA**





Photo No.9: AOI-5 - Grading Fill Placement (Facing Northeast). April 2008



Photo No.10: AOI-4 - Grading Fill Placement (Facing North).
December 2007

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Photo No.11: AOI-6 – Clay Barrier Layer Placement (Facing North).
May 2008



Photo No.12: Parcel 201 - Clay Barrier Layer Placement (Facing West).
February 2010

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Photo No.13: AOI-6 - Clay Barrier Layer Placement (Facing North).
May 2008



Photo No.14: AOI-6 - Clay Barrier Layer Placement (Facing North).
May 2008

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Photo No.15: East AOI-10 - Clay Barrier Layer Placement (Facing Northeast). October 2007



Photo No.16: East AOI-11 - Clay Barrier Layer Placement (Facing North). October 2007

**EAST PLANT AREA COVER SYSTEM
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Photo No.17: AOI-5 - Clay Barrier Layer Placement (Facing South).
July 2008



Photo No.18: AOI-5 - Clay Barrier Layer Placement (Facing Northwest).
August 2008

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Photo No.19: AOI-4 - Clay Barrier Layer Placement (Facing South).
June 2011



Photo No.20: AOI-15 - Clay Barrier Layer Placement (Facing South).
August 2011

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Photo No.21: Parcel 201 - LLDPE liner installation (Facing Southeast).
April 2010



Photo No.22: AOI-8 - LLDPE liner installation (Facing North).
November 2008

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Photo No.23: AOI-8 - LLDPE liner installation (Facing South).
November 2008



Photo No.24: AOI-6 - LLDPE liner installation (Facing East). August 2008

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Photo No.25: East AOI-10 - LLDPE liner installation (Facing East). July 2008



Photo No.26: East AOI-7 - LLDPE Liner Installation (Facing Southeast).
July 2008

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Photo No.27: AOI-4 - LLDPE liner installation (Facing South). July 2011



Photo No.28: AOI-4 - LLDPE liner installation (Facing South). July 2011

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Photo No.29: AOI-4 - LLDPE liner installation (Facing East).
November 2010



Photo No.30: AOI-4 - LLDPE liner installation (Facing North). August 2011

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Photo No.31: Parcel 201 - Drainage geocomposite material installation (Facing Downwards). April 2010



Photo No.32: Parcel 201 - Drainage geocomposite material installation (Facing South). April 2010

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Photo No.33: AOI-11 - Drainage Geocomposite Material Installation (Facing East). October 2008



Photo No.34: AOI-11 - Drainage Geocomposite Material (Facing North). September 2010

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Photo No.35: East AOI-10 - Drainage geocomposite material installation (Facing North). August 2008



Photo No.36: East AOI-10 - Installed drainage geocomposite material (Facing Northwest). August 2008

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Photo No.37: AOI-4 - Installation of perforated drainage pipe and geocomposite material (Facing North). October 2008



Photo No.38: AOI-10 – Drainage geocomposite material installation (Facing West). July 2011

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Photo No.39: AOI-4 - Drainage geocomposite material installation (Facing Southwest). September 2011



Photo No.40: Detention Basin 5 - Drainage geocomposite material installation (Facing West). September 2011

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Photo No.41: Parcel 201 - Common fill placement (Facing Northeast).
May 2010



Photo No.42: Parcel 201 - Common fill placement (Facing Southeast).
May 2010

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Photo No.43: AOI-5 – Common fill placement (Facing Northwest).
October 2008



Photo No.44: AOI-6 - Common fill placement (Facing South).
December 2008

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BEDFORD, INDIANA**





Photo No.45: East AOI-10 - Common fill placement (Facing West).
July 2011



Photo No.46: East AOI-10 - Common fill placement (Facing Southeast).
October 2008

**EAST PLANT AREA COVER SYSTEM
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BEDFORD, INDIANA**





Photo No.47: AOI-4 - Common fill placement (Facing Southwest).
July 2011



Photo No.48: AOI-4 - Common fill placement (Facing Southwest).
July 2011

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GM CET BEDFORD FACILITY
BEDFORD, INDIANA**



Photo No.49: AOI-4 – Common fill placement (Facing South).
September 2011



Photo No.50: AOI-4 - Common fill placement (Facing South). August 2011

**EAST PLANT AREA COVER SYSTEM
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GM CET BEDFORD FACILITY
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Photo No.51: Parcel 201 - Topsoil placement (Facing East). June 2010



Photo No.52: Parcel 201 - Topsoil placement (Facing South). June 2010

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Photo No.53: East AOI-10 – Topsoil placement (Facing Northeast).
October 2010



Photo No.54: AOI-8 - Topsoil placement (Facing South). July 2010

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Photo No.55: East AOI-10 - Topsoil Placement (Facing Northeast).
July 2010



Photo No.56: East AOI-10 - Topsoil placement (Facing Southeast).
July 2010

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Photo No.57: AOI-5 - Topsoil placement (Facing Southwest). October 2010



Photo No.58: AOI-5 - Topsoil placement (Facing Southeast). October 2010

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Photo No.59: AOI-4 - Topsoil placement (Facing West). August 2011



Photo No.60: AOI-4 - Topsoil placement (Facing West). August 2011

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Photo No.61: Parcel 201 - Erosion control matting placement (Facing South). June 2010



Photo No.62: AOI-8 - Erosion control matting placement (Facing North). July 2010

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Photo No.63: AOI-11 - Erosion control matting placement (Facing East).
July 2010



Photo No.64: East AOI-10 - Erosion control matting placement (Facing
North). August 2010

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Photo No.65: AOI-5 - Erosion control matting placement (Facing North).
October 2010



Photo No.66: East AOI-10 - Overview of temporary liner and vegetation
growth (Facing Southeast). November 2010

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Photo No.67: AOI-5 - Vegetative growth (Facing Northeast). May 2011



Photo No.68: East AOI-10 - Vegetative growth (Facing Southwest).
March 2012

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Photo No.69: AOI-15 - Vegetative growth (Facing North). June 2014



Photo No.70: AOI-10 - Vegetative growth (Facing South). June 2014

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Photo No.71: Parcel 201 - Vegetative growth (Facing South). June 2014



Photo No.72: AOI-4 - Vegetative growth (Facing West). June 2014

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Photo No.73: East AOI-10 - Vegetative growth (Facing Southwest).
June 2014



Photo No.74: AOI-5 - Access Road Construction (Facing Northeast).
April 2011

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Photo No.75: AOI-5 - Access Road Construction (Facing East). May 2011



Photo No.76: AOI-5 - Access Road Construction (Facing South). May 2011

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Photo No.77: AOI-5 - Access Road Construction (Facing North). May 2011



Photo No.78: AOI-8 – Gravel Base for Asphalt Cover System (Facing Northeast). October 2010

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Photo No.79: AOI-8 – Gravel Base for Asphalt Cover System (Facing Northeast). October 2010



Photo No.80: AOI-8 - Asphalt Cover System (Facing Southwest). November 2010

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Photo No.81: AOI-5 - Asphalt Cover System (Facing North).
November 2010

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Appendix C

Air Monitoring Results for TSPs and PCBs

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
03-Nov-03	STATION 1	TSP-4	2616	1.89	0.1518	UPWIND
	STATION 2	TSP-3	1636	1.17	0.0775	31
	STATION 3	TSP-1	1806	1.26	0.0355	14
	STATION 4	TSP-2	3006	2.12	0.0231	9
	STATION 4	TSP-5	1652	1.17	0.0337	13
04-Nov-03	STATION 1	TSP-4	3154	2.18	0.1102	UPWIND
	STATION 2	TSP-3	2180	1.51	0.0699	38
	STATION 3	TSP-1	1904	1.30	0.0420	23
	STATION 4	TSP-2	2937	2.02	0.0282	15
	STATION 4	TSP-5	1804	1.28	0.0386	21
05-Nov-03	STATION 3	TSP-1	1843	1.27	0.0198	UPWIND
	STATION 1	TSP-4	3267	2.28	0.0222	67
	STATION 2	TSP-3	2080	1.47	0.0170	51
	STATION 4	TSP-5	1694	1.18	0.0262	79
	STATION 4	TSP-2	3069	2.13	0.0245	74
06-Nov-03	STATION 3	TSP-1	1961	1.42	0.0064	UPWIND
	STATION 1	TSP-4	3563	2.62	0.0512	479 ⁺
	STATION 2	TSP-3	2128	1.55	0.0177	166 ⁺
	STATION 4	TSP-5	1610	1.20	0.0227	212 ⁺
	STATION 4	TSP-2	1924	1.42	0.0303	283 ⁺
10-Nov-03	STATION 1	TSP-4	2393	1.72	0.1758	UPWIND
	STATION 2	TSP-3	2338	1.61	0.0538	18
	STATION 3	TSP-1	2033	1.37	0.0368	13
	STATION 4	TSP-2	1969	1.37	0.0387	13
	STATION 4	TSP-5	1760	1.19	0.0357	12
11-Nov-03	STATION 1	TSP-4	4431	3.06	0.0142	UPWIND
	STATION 2	TSP-3	1792	1.23	0.0422	178 ⁺
	STATION 3	TSP-1	1901	1.29	0.0298	126 ⁺
	STATION 4	TSP-2	1868	1.27	0.0171	72
	STATION 4	TSP-5	1729	1.18	0.0320	135 ⁺
12-Nov-03	STATION 2	TSP-3	1770	1.21	0.0393	UPWIND
	STATION 1	TSP-4	3528	2.44	0.0326	50
	STATION 3	TSP-1	2034	1.28	0.0288	44
	STATION 4	TSP-5	636	*	*	*
02-Dec-03	STATION 3	TSP-1	1487	1.01	0.0245	UPWIND
	STATION 1	TSP-4	1718	1.20	0.1302	318 ⁺
	STATION 2	TSP-3	1699	1.20	0.0180	44
	STATION 4	TSP-9	1567	1.17	0.0328	80
	STATION 4	TSP-5	1660	1.22	0.0151	37

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
03-Dec-03	STATION 4	TSP-9	1721	1.21	0.0251	UPWIND
	STATION 4	TSP-5	1728	1.22	0.0193	UPWIND
	STATION 1	TSP-4	1696	1.20	0.2022	627 ⁺
	STATION 2	TSP-3	1777	1.24	0.0135	42
	STATION 3	TSP-1	1461	1.01	0.0199	62
04-Dec-03	STATION 4	TSP-9	1767	1.22	0.0136	UPWIND
	STATION 4	TSP-5	1688	1.17	0.0116	UPWIND
	STATION 1	TSP-4	1744	1.21	0.0161	83
	STATION 2	TSP-3	1753	1.23	0.0107	55
	STATION 3	TSP-1	1530	1.04	0.0122	63
05-Dec-03	STATION 3	TSP-1	1487	0.98	0.0165	UPWIND
	STATION 1	TSP-4	1795	1.20	0.0164	60
	STATION 2	TSP-3	1851	1.23	0.0118	43
	STATION 4	TSP-9	1784	1.21	0.0174	63
	STATION 4	TSP-5	1731	1.18	0.0109	40
11-Dec-03	STATION 1	TSP-4	1196	0.84	0.1797	380 ⁺
	STATION 3	TSP-1	1428	1.02	0.0275	58
	STATION 4	TSP-9	1729	1.21	0.0216	46
	STATION 4	TSP-5	1695	1.19	0.0153	32
12-Dec-03	STATION 3	TSP-1	1514	1.02	0.0287	UPWIND
	STATION 1	TSP-4	1217	0.88	0.1150	240 ⁺
	STATION 4	TSP-5	1707	1.18	0.0233	49
	STATION 4	TSP-9	1788	1.24	0.0279	58
15-Dec-03	STATION 1	TSP-4	2175	1.55	0.0180	UPWIND
	STATION 3	TSP-1	1404	0.99	0.0452	150 ⁺
	STATION 4	TSP-5	1610	1.17	0.0195	65
	STATION 4	TSP-9	1146	0.83	0.0257	85
16-Dec-03	STATION 1	TSP-4	1808	1.26	0.0910	303 ⁺
	STATION 3	TSP-1	1448	0.99	0.0296	98
	STATION 4	TSP-5	1666	1.16	0.0217	72
	STATION 4	TSP-9	1226	0.85	0.0281	93
05-Jan-04	STATION 1	TSP-4	1229	1.06	0.0504	149 ⁺
	STATION 3	TSP-1	1154	0.97	0.0231	68
	STATION 4	TSP-9	1035	0.89	0.0185	55
	STATION 4	TSP-5	935	0.79	0.0232	69
06-Jan-04	STATION 1	TSP-4	1686	1.20	0.0575	UPWIND
	STATION 3	TSP-1	1500	1.03	0.0369	38
	STATION 4	TSP-9	1331	0.93	0.0378	39
	STATION 4	TSP-5	1359	0.93	0.0323	34

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
07-Jan-04	STATION 1	TSP-4	1801	1.25	0.1415	UPWIND
	STATION 3	TSP-1	1435	1.00	0.0444	19
	STATION 4	TSP-9	1305	0.94	0.0327	14
	STATION 4	TSP-5	1192	0.88	0.0342	14
08-Jan-04	STATION 1	TSP-4	1771	1.25	0.225 J	UPWIND
	STATION 3	TSP-1	1454	1.00	0.0453 J	12
	STATION 4	TSP-9	1370	0.95	0.044 J	12
09-Jan-04	STATION 3	TSP-1	1407	0.97	0.0314	UPWIND
	STATION 1	TSP-4	1599	1.10	0.0323	62
	STATION 4	TSP-9	1361	0.93	0.0382	73
12-Jan-04	STATION 1	TSP-4	1006	0.73	0.1056	UPWIND
	STATION 3	TSP-1	1367	0.94	0.0375	21
	STATION 4	TSP-9	1332	0.91	0.0333	19
13-Jan-04	STATION 3	TSP-1	1376	0.94	0.0355	UPWIND
	STATION 1	TSP-4	730	0.50	0.1029	174 ⁺
	STATION 4	TSP-9	1369	0.93	0.0323	54
14-Jan-04	STATION 3	TSP-1	1318	0.96	0.0398	UPWIND
	STATION 1	TSP-4	1137	0.83	0.1251	188 ⁺
	STATION 4	TSP-9	1268	0.93	0.0345	52
15-Jan-04	STATION 3	TSP-1	1579	0.91	0.0287	UPWIND
	STATION 1	TSP-4	1242	0.80	0.1919	400 ⁺
	STATION 4	TSP-9	1600	0.92	0.0260	54
16-Jan-04	STATION 4	TSP-9	1367	1.21	0.0237	UPWIND
	STATION 1	TSP-4	1390	1.10	0.1944	491 ⁺
	STATION 3	TSP-1	1726	1.47	0.0217	55
19-Jan-04	STATION 3	TSP-1	2092	1.49	0.0166	UPWIND
	STATION 1	TSP-4	1299	0.95	0.0539	194 ⁺
	STATION 4	TSP-9	1337	1.18	0.0153	55
20-Jan-04	STATION 3	TSP-1	2204	1.52	0.0208	UPWIND
	STATION 1	TSP-4	1220	0.86	0.0648 J	187 ⁺
	STATION 4	TSP-9	1754	1.22	0.0204	59
21-Jan-04	STATION 1	TSP-4	3631	1.26	0.1223 J	135 ⁺
	STATION 3	TSP-1	264162	1.52	0.0006 J	1
	STATION 4	TSP-9	3586	1.22	0.0393 J	43
23-Jan-04	STATION 1	TSP-4	1854	1.30	0.1287	UPWIND
	STATION 3	TSP-1	2122	1.50	0.0301	14
	STATION 4	TSP-9	1569	1.12	0.0298	14

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
26-Jan-04	STATION 3	TSP-1	2089	1.44	0.0235	UPWIND
	STATION 1	TSP-4	1832	1.29	0.0255	65
	STATION 4	TSP-9	1669	1.16	0.0223	57
27-Jan-04	STATION 1	TSP-4	1503	1.06	0.0125	UPWIND
	STATION 3	TSP-1	2143	1.49	0.0176	84
	STATION 4	TSP-9	1723	1.21	0.0111	53
29-Jan-04	STATION 1	TSP-4	2168	1.33	0.0252	43
	STATION 3	TSP-1	1771	1.09	0.0342 J	58
	STATION 4	TSP-9	2050	1.27	0.0210	36
02-Feb-04	STATION 4	TSP-5	1279	0.90	0.0212	UPWIND
	STATION 4	TSP-9	1712	1.20	0.0159	UPWIND
	STATION 1	TSP-4	581	*	*	*
	STATION 3	TSP-1	1521	1.05	0.0227	85
03-Feb-04	STATION 1	TSP-4	1700	1.21	0.0225	UPWIND
	STATION 3	TSP-1	1606	1.10	0.0275	73
	STATION 4	TSP-5	1300	0.90	0.0298	79
	STATION 4	TSP-9	1703	1.18	0.0235	63
04-Feb-04	STATION 3	TSP-1	1672	1.09	0.0467	UPWIND
	STATION 1	TSP-4	1790	1.19	0.0228	29
	STATION 4	TSP-9	1851	1.23	0.0353	45
	STATION 4	TSP-5	1324	0.88	0.0486	62
05-Feb-04	STATION 3	TSP-1	1461	1.07	0.0149	UPWIND
	STATION 1	TSP-4	1898	1.41	0.0130	52
	STATION 4	TSP-9	1629	1.21	0.0185	74
	STATION 4	TSP-5	1234	0.92	0.0190	76
06-Feb-04	STATION 1	TSP-4	1929	1.35	0.0179	UPWIND
	STATION 3	TSP-1	1501	1.06	0.0186	62
	STATION 4	TSP-9	1715	1.23	0.0137	46
09-Feb-04	STATION 1	TSP-4	1752	1.30	0.0608	UPWIND
	STATION 3	TSP-1	1539	1.06	0.0303	30
	STATION 4	TSP-9	1850	1.23	0.0265	26
10-Feb-04	STATION 1	TSP-4	1736	1.24	0.1799	UPWIND
	STATION 3	TSP-1	1447	1.11	0.0341	11
	STATION 4	TSP-9	1574	1.23	0.0281	9
	STATION 4	TSP-5	1100	0.86	0.0384	13
11-Feb-04	STATION 1	TSP-4	1868	1.29	0.2372	UPWIND
	STATION 3	TSP-1	1751	1.17	0.0507	13
	STATION 4	TSP-9	1779	1.25	0.0355	9

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
12-Feb-04	STATION 1	TSP-4	2010	1.27	0.2329	262 ⁺
	STATION 3	TSP-1	1831	1.15	0.0336	38
	STATION 4	TSP-9	1984	1.26	0.0207	23
16-Feb-04	STATION 3	TSP-1	1663	1.16	0.0446	UPWIND
	STATION 1	TSP-4	1740	1.29	0.4839	650 ⁺
	STATION 4	TSP-9	1774	1.23	0.0359	48
	STATION 4	TSP-5	1326	0.92	0.0250	34
17-Feb-04	STATION 1	TSP-4	1736	1.21	0.4054	240 ⁺
	STATION 3	TSP-1	1418	0.98	0.0767	45
	STATION 4	TSP-9	1821	1.29	0.0530	31
	STATION 4	TSP-5	1775	1.26	0.0571	34
18-Feb-04	STATION 1	TSP-4	1646	1.17	0.3988	UPWIND
	STATION 3	TSP-1	1393	0.98	0.0704	11
	STATION 4	TSP-9	1814	1.30	0.0372	6
	STATION 4	TSP-5	1784	1.28	0.0309	5
19-Feb-04	STATION 1	TSP-4	1807	1.22	0.4055 J	UPWIND
	STATION 3	TSP-1	1434	0.95	0.0710 J	10
	STATION 4	TSP-9	1930	1.30	0.0338 J	5
	STATION 4	TSP-5	1831	1.22	0.0500 J	7
20-Feb-04	STATION 1	TSP-4	1640	1.16	0.1401	UPWIND
	STATION 3	TSP-1	1285	0.91	0.0487	21
	STATION 4	TSP-9	1663	1.22	0.0286	12
	STATION 4	TSP-5	1568	1.16	0.0319	14
23-Feb-04	STATION 3	TSP-1	1482	0.97	0.0516	UPWIND
	STATION 1	TSP-4	1689	1.19	0.3382	392 ⁺
	STATION 4	TSP-9	1899	1.26	0.0351	41
	STATION 4	TSP-5	1795	1.19	0.0403	47
24-Feb-04	STATION 3	TSP-1	1472	1.01	0.0288	UPWIND
	STATION 1	TSP-4	1494	1.09	0.0329	68
	STATION 4	TSP-5	1747	1.22	0.0217	45
	STATION 4	TSP-9	1836	1.28	0.0210	44
25-Feb-04	STATION 3	TSP-1	1358	0.97	0.0235	UPWIND
	STATION 1	TSP-4	1697	1.18	0.1023	261 ⁺
	STATION 4	TSP-9	1819	1.30	0.0089	23
	STATION 4	TSP-5	1787	1.28	0.0265	68
26-Feb-04	STATION 3	TSP-1	1643	0.97	0.0312	UPWIND
	STATION 1	TSP-4	1901	1.13	0.1620 J	311 ⁺
	STATION 4	TSP-9	2106	1.27	0.0197	38

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
05-Mar-04	STATION 1	TSP-4	1382	1.02	0.1020 J	UPWIND
	STATION 3	TSP-1	1150	0.83	0.0636 J	37
	STATION 4	TSP-5	1582	1.16	0.0505 J	30
	STATION 4	TSP-9	1722	1.26	0.0331	19
08-Mar-04	STATION 3	TSP-1	1352	0.96	0.0258	58
	STATION 4	TSP-5	1648	1.19	0.0211	47
	STATION 4	TSP-9	1749	1.26	0.0196	44
09-Mar-04	STATION 3	TSP-1	1357	0.96	0.0322	UPWIND
	STATION 1	TSP-4	1676	1.23	0.1745	325 ⁺
	STATION 4	TSP-5	1728	1.23	0.0240	45
	STATION 4	TSP-9	1802	1.28	0.0211	39
10-Mar-04	STATION 1	TSP-4	1902	1.19	0.3311	UPWIND
	STATION 3	TSP-1	1430	0.91	0.0468	8
	STATION 4	TSP-5	1801	1.23	0.0318	6
	STATION 4	TSP-9	1817	1.24	0.0301	5
11-Mar-04	STATION 1	TSP-4	1558	1.20	0.0801	57
	STATION 3	TSP-1	1385	1.04	0.0468	33
	STATION 4	TSP-9	1579	1.20	0.0573	41
12-Mar-04	STATION 1	TSP-4	1762	1.25	0.1337	119 ⁺
	STATION 3	TSP-1	1370	0.97	0.0399	36
	STATION 4	TSP-9	1701	1.22	0.0329	29
15-Mar-04	STATION 3	TSP-1	1377	0.94	0.0194	UPWIND
	STATION 1	TSP-4	1724	1.22	0.1058	327 ⁺
	STATION 4	TSP-9	1694	1.17	0.0200	62
	STATION 4	TSP-5	1692	1.17	0.0192	59
16-Mar-04	STATION 3	TSP-1	1384	0.95	0.0306	UPWIND
	STATION 1	TSP-4	1668	1.19	0.0508	99
	STATION 4	TSP-9	1702	1.19	0.0197	39
	STATION 4	TSP-5	1672	1.17	0.0192	38
17-Mar-04	STATION 1	TSP-4	1842	1.31	0.2627	UPWIND
	STATION 3	TSP-1	1623	1.12	0.0275	6
	STATION 4	TSP-5	1790	1.25	0.0328	7
	STATION 4	TSP-9	1765	1.23	0.0329	7
18-Mar-04	STATION 1	TSP-4	1652	1.21	0.2076	71
	STATION 3	TSP-1	1307	0.95	0.0339	12
	STATION 4	TSP-9	2100	1.22	0.0224	8
	STATION 4	TSP-5	1648	1.21	0.0302	10

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
19-Mar-04	STATION 1	TSP-4	1805	1.27	0.4263	UPWIND
	STATION 3	TSP-1	1552	1.09	0.0314	4
	STATION 4	TSP-5	1720	1.24	0.0203	3
	STATION 4	TSP-9	1679	1.21	0.0256	4
22-Mar-04	STATION 1	TSP-4	1794	1.26	0.2653	UPWIND
	STATION 3	TSP-1	1425	0.93	0.0443	10
	STATION 4	TSP-5	1905	1.24	0.0349	8
	STATION 4	TSP-9	1878	1.22	0.0360	8
23-Mar-04	STATION 1	TSP-4	1284	0.93	0.4050	UPWIND
	STATION 3	TSP-1	1283	0.96	0.0535	8
	STATION 4	TSP-9	1645	1.32	0.0302	4
	STATION 4	TSP-5	1529	1.23	0.0358	5
24-Mar-04	STATION 1	TSP-4	1212	0.87	0.4589	UPWIND
	STATION 3	TSP-1	1317	0.93	0.0685	9
	STATION 4	TSP-9	1731	1.25	0.0526	7
	STATION 4	TSP-5	1645	1.19	0.0576	8
25-Mar-04	STATION 1	TSP-4	1231	0.88	0.5464	UPWIND
	STATION 3	TSP-1	1316	0.92	0.0703	8
	STATION 4	TSP-5	1781	1.27	0.0300	3
	STATION 4	TSP-9	1754	1.25	0.0465	5
26-Mar-04	STATION 1	TSP-4	1232	0.86	0.0895	UPWIND
	STATION 3	TSP-1	1339	0.92	0.0390	26
	STATION 4	TSP-9	1776	1.25	0.0209	14
	STATION 4	TSP-5	1660	1.17	0.0279	19
29-Mar-04	STATION 1	TSP-4	1292	0.88	0.1603	UPWIND
	STATION 3	TSP-1	1429	0.95	0.0274	10
	STATION 4	TSP-9	1854	1.24	0.0144	5
	STATION 4	TSP-5	1777	1.19	0.0156	6
30-Mar-04	STATION 1	TSP-4	1270	0.90	0.1113	260 ⁺
	STATION 3	TSP-1	1041	0.73	0.1112	260 ⁺
	STATION 4	TSP-9	1902	1.23	0.0122	29
	STATION 4	TSP-5	1899	1.23	0.0073	17
31-Mar-04	STATION 3	TSP-1	1484	0.98	0.0158	UPWIND
	STATION 1	TSP-4	1317	0.90	0.0307	116 ⁺
	STATION 4	TSP-9	1689	1.25	0.0119	45
	STATION 4	TSP-5	1594	1.18	0.0116	44

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
01-Apr-04	STATION 3	TSP-1	1457	1.00	0.0251	UPWIND
	STATION 1	TSP-4	1299	0.91	0.1551	370 ⁺
	STATION 4	TSP-9	1839	1.27	0.0147	35
	STATION 4	TSP-5	1763	1.22	0.0161	38
02-Apr-04	STATION 3	TSP-1	1456	1.00	0.0264	UPWIND
	STATION 1	TSP-4	1297	0.89	0.7525	1707 ⁺
	STATION 4	TSP-9	1782	1.25	0.0153	35
	STATION 4	TSP-5	1679	1.18	0.0132	30
05-Apr-04	STATION 1	TSP-4	1398	0.92	0.3666	UPWIND
	STATION 3	TSP-1	2016	1.24	0.0214	3
	STATION 4	TSP-5	1940	1.19	0.0277	5
	STATION 4	TSP-9	2058	1.26	0.0266	4
06-Apr-04	STATION 1	TSP-4	1753	1.33	0.3018	UPWIND
	STATION 3	TSP-1	1207	0.94	0.0988	20
	STATION 4	TSP-5	1484	1.22	0.0652	13
	STATION 4	TSP-9	1134	0.93	0.0723	14
07-Apr-04	STATION 1	TSP-4	1667	1.14	0.3366	UPWIND
	STATION 3	TSP-1	1735	1.14	0.0749	13
	STATION 4	TSP-9	1356	0.90	0.0678	12
	STATION 4	TSP-5	1806	1.20	0.0653	12
08-Apr-04	STATION 1	TSP-4	192	*	*	*
	STATION 3	TSP-1	1340	0.93	0.0523	32
	STATION 4	TSP-9	1284	0.90	0.0431	26
	STATION 4	TSP-5	1727	1.21	0.0435	27
09-Apr-04	STATION 3	TSP-1	1374	0.97	ND(0.0001)	
	STATION 1	TSP-4	1686	1.20	0.0338	21
	STATION 4	TSP-9	1243	0.90	0.0321	20
	STATION 4	TSP-5	1710	1.24	0.0244	15
12-Apr-04	STATION 3	TSP-1	1728	1.12	0.0289	UPWIND
	STATION 1	TSP-4	1899	1.27	0.0297	62
	STATION 4	TSP-5	1885	1.24	0.0222	46
	STATION 4	TSP-9	1328	0.87	0.0323	67
13-Apr-04	STATION 3	TSP-1	1329	0.97	0.0301	UPWIND
	STATION 1	TSP-4	1696	1.23	0.0557	111 ⁺
	STATION 4	TSP-5	1701	1.25	0.0199	40
	STATION 4	TSP-9	1194	0.88	0.0214	43

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
14-Apr-04	STATION 3	TSP-1	1397	0.98	0.0558	UPWIND
	STATION 1	TSP-4	1808	1.27	0.2845	305 ⁺
	STATION 4	TSP-9	1313	0.94	0.0334	36
	STATION 4	TSP-5	1745	1.25	0.0346	37
15-Apr-04	STATION 1	TSP-4	2134	1.47	0.4466	UPWIND
	STATION 3	TSP-1	1421	0.95	0.0662	9
	STATION 4	TSP-9	1351	0.92	0.0322	4
	STATION 4	TSP-5	1820	1.24	0.0472	6
16-Apr-04	STATION 1	TSP-4	2640	1.40	0.2528	UPWIND
	STATION 3	TSP-1	2	*	*	*
	STATION 4	TSP-9	1588	0.90	0.0394	9
	STATION 4	TSP-5	2221	1.26	0.0590	14
19-Apr-04	STATION 1	TSP-4	1793	1.21	0.2332	UPWIND
	STATION 3	TSP-1	0	*	*	*
	STATION 4	TSP-9	1218	0.81	0.0979	25
	STATION 4	TSP-5	1819	1.21	0.0863	22
20-Apr-04	STATION 1	TSP-4	1408	1.00	0.3311	UPWIND
	STATION 3	TSP-1	0	*	*	*
	STATION 4	TSP-5	1662	1.19	0.0938	17
	STATION 4	TSP-9	1162	0.83	0.0941	17
21-Apr-04	STATION 1	TSP-4	1170	0.80	0.2500	UPWIND
	STATION 3	TSP-1	1010	0.86	0.0439	11
	STATION 4	TSP-9	1294	0.83	0.0451	11
	STATION 4	TSP-5	1883	1.21	0.0439	11
22-Apr-04	STATION 3	TSP-1	1485	1.17	0.0090	UPWIND
	STATION 1	TSP-4	1079	0.84	0.0263	175 ⁺
	STATION 4	TSP-9	1025	0.83	0.0227	151 ⁺
	STATION 4	TSP-5	1481	1.20	0.0195	130 ⁺
23-Apr-04	STATION 3	TSP-1	1771	1.22	0.0277	UPWIND
	STATION 1	TSP-4	1248	0.79	0.2300	497 ⁺
	STATION 4	TSP-5	1345	0.95	0.0383	83
	STATION 4	TSP-9	1584	1.12	0.0272	59
26-Apr-04	STATION 1	TSP-4	1172	0.85	0.2242	UPWIND
	STATION 3	TSP-1	1702	1.19	0.0445 J	12
	STATION 4	TSP-5	1274	0.92	0.0738 J	20
	STATION 4	TSP-9	1552	1.12	0.0514 J	14

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
27-Apr-04	STATION 1	TSP-4	1207	0.82	0.2800	UPWIND
	STATION 3	TSP-1	1810	1.22	0.0238	5
	STATION 4	TSP-5	1397	0.96	0.0408	9
	STATION 4	TSP-9	1660	1.14	0.0265	6
28-Apr-04	STATION 1	TSP-4	1162	0.83	0.6122	UPWIND
	STATION 3	TSP-1	1727	1.21	0.0415	4
	STATION 4	TSP-5	1293	0.92	0.0882	9
	STATION 4	TSP-9	1566	1.11	0.0536	5
29-Apr-04	STATION 1	TSP-4	1284	0.83	0.3560	UPWIND
	STATION 3	TSP-1	2008	1.26	0.0333	6
	STATION 4	TSP-9	1677	1.08	0.0429	7
	STATION 4	TSP-5	1480	0.95	0.0647	11
03-May-04	STATION 1	TSP-4	1203	0.84	0.1177	UPWIND
	STATION 3	TSP-1	1899	1.23	0.0183	9
	STATION 4	TSP-9	1718	1.12	0.0197	10
	STATION 4	TSP-5	1406	0.92	0.0292	15
04-May-04	STATION 1	TSP-4	1329	0.96	0.1995	UPWIND
	STATION 3	TSP-1	1736	1.23	0.0257	8
	STATION 4	TSP-5	1303	0.93	0.0384	12
	STATION 4	TSP-9	1571	1.12	0.0300	9
05-May-04	STATION 1	TSP-4	1605	1.13	0.4800	UPWIND
	STATION 3	TSP-1	1080	0.78	0.0530	7
	STATION 4	TSP-5	1038	0.79	0.0487	6
	STATION 4	TSP-9	1565	1.19	0.0309	4
06-May-04	STATION 1	TSP-4	1616	1.12	0.4573	UPWIND
	STATION 3	TSP-1	1130	0.77	0.0771	10
	STATION 4	TSP-9	1689	1.17	0.0535	7
	STATION 4	TSP-5	1052	0.73	0.0798	10
07-May-04	STATION 3	TSP-1	1418	0.84	0.0401	UPWIND
	STATION 1	TSP-4	1897	1.11	0.1824	272 ⁺
	STATION 4	TSP-9	1889	1.15	0.0391	58
	STATION 4	TSP-5	1215	0.74	0.0640	96
10-May-04	STATION 1	TSP-4	1520	1.11	0.5203	UPWIND
	STATION 3	TSP-1	1101	0.78	0.0807	9
	STATION 4	TSP-9	1532	1.10	0.0572	7
	STATION 4	TSP-5	1069	0.77	0.0785	9
11-May-04	STATION 1	TSP-4	1517	1.08	0.3162	UPWIND
	STATION 3	TSP-1	1120	0.78	0.0692	13
	STATION 4	TSP-9	1421	1.08	0.0529	10
	STATION 4	TSP-5	973	0.74	0.0716	14

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
12-May-04	STATION 1	TSP-4	1626	1.11	0.2585	UPWIND
	STATION 3	TSP-1	1183	0.79	0.0740	17
	STATION 4	TSP-9	1694	1.16	0.0351	8
	STATION 4	TSP-5	1210	0.83	0.0479	11
13-May-04	STATION 1	TSP-4	1792	1.17	0.1930	UPWIND
	STATION 3	TSP-1	1238	0.81	0.0466	14
	STATION 4	TSP-5	1248	0.85	0.0296	9
	STATION 4	TSP-9	428	*	*	*
14-May-04	STATION 3	TSP-1	1145	0.81	0.0344	UPWIND
	STATION 1	TSP-4	1491	1.08	0.0266	46
	STATION 4	TSP-5	1201	0.85	0.0230	40
	STATION 4	TSP-9	1654	1.17	0.0198	34
18-May-04	STATION 1	TSP-4	1606	1.13	0.3658	UPWIND
	STATION 3	TSP-1	1120	0.76	0.0565	9
	STATION 4	TSP-5	1210	0.90	0.0426	7
	STATION 4	TSP-9	995	0.74	0.0404	7
19-May-04	STATION 1	TSP-4	1096	0.77	0.3604	UPWIND
	STATION 3	TSP-1	1050	0.76	0.0496	8
	STATION 4	TSP-9	1100	0.81	0.0334	6
	STATION 4	TSP-5	1181	0.87	0.0418	7
20-May-04	STATION 1	TSP-4	1423	1.08	0.5294 J	UPWIND
	STATION 3	TSP-1	1059	0.79	0.0686 J	8
	STATION 4	TSP-9	1059	0.80	0.0636 J	7
	STATION 4	TSP-5	1165	0.88	0.0684 J	8
21-May-04	STATION 1	TSP-4	1649	1.01	0.4566	UPWIND
	STATION 3	TSP-1	1218	0.74	0.0781	10
	STATION 4	TSP-5	1419	0.88	0.0707	9
	STATION 4	TSP-9	1241	0.77	0.0681	9
25-May-04	STATION 1	TSP-4	998	0.90	0.2023	UPWIND
	STATION 3	TSP-1	873	0.76	0.0474	14
	STATION 4	TSP-9	856	0.77	0.0417	12
	STATION 4	TSP-5	944	0.85	0.0502	15
26-May-04	STATION 1	TSP-4	1452	1.02	0.0767	UPWIND
	STATION 3	TSP-1	1075	0.75	0.0247	19
	STATION 4	TSP-9	1058	0.75	0.0160	12
	STATION 4	TSP-5	1213	0.86	0.0215	17
27-May-04	STATION 1	TSP-4	1563	1.10	0.0488	UPWIND
	STATION 3	TSP-1	1098	0.77	0.0342	42
	STATION 4	TSP-9	1090	0.78	0.0322	40
	STATION 4	TSP-5	1193	0.85	0.0387	47

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
2-Jun-04	STATION 1	TSP-4	2205	1.54	0.0867	103 ⁺
	STATION 3	TSP-1	1244	0.86	0.0249	29
	STATION 4	TSP-9	1479	1.02	0.0347	41
	STATION 4	TSP-5	1277	0.88	0.0291	34
3-Jun-04	STATION 1	TSP-4	2234	1.57	0.0345	38
	STATION 3	TSP-1	1253	0.87	0.1155	128 ⁺
	STATION 4	TSP-9	1506	1.06	0.0177	20
	STATION 4	TSP-5	1236	0.87	0.0181	20
4-Jun-04	STATION 3	TSP-1	1592	0.84	0.0715	UPWIND
	STATION 1	TSP-4	2933	1.56	0.0818	69
	STATION 4	TSP-5	1562	0.84	0.0467	39
	STATION 4	TSP-9	2177	1.17	0.0188	16
7-Jun-04	STATION 1	TSP-4	2273	1.57	0.2419	UPWIND
	STATION 3	TSP-1	1170	0.78	0.0582	14
	STATION 4	TSP-9	1591	1.07	0.0357	9
	STATION 4	TSP-5	1221	0.82	0.0437	11
8-Jun-04	STATION 1	TSP-4	2211	1.54	0.3502	UPWIND
	STATION 3	TSP-1	1143	0.79	0.0638	11
	STATION 4	TSP-5	1150	0.81	0.0662	11
	STATION 4	TSP-9	1491	1.05	0.0428	7
9-Jun-04	STATION 1	TSP-4	2231	1.56	0.2948	UPWIND
	STATION 3	TSP-1	1168	0.81	0.0459	9
	STATION 4	TSP-9	1456	1.03	0.0332	7
	STATION 4	TSP-5	1188	0.84	0.0497	10
10-Jun-04	STATION 1	TSP-4	2229	1.56	0.3252	UPWIND
	STATION 3	TSP-1	1262	0.83	0.0608	11
	STATION 4	TSP-9	1597	1.05	0.0391	7
	STATION 4	TSP-5	1307	0.86	0.0561	10
11-Jun-04	STATION 1	TSP-4	2213	1.52	0.2645	UPWIND
	STATION 3	TSP-1	1170	0.82	0.0711	16
	STATION 4	TSP-5	1113	0.81	0.0659	15
	STATION 4	TSP-9	1402	1.02	0.0433	10
14-Jun-04	STATION 1	TSP-4	1951	1.41	0.1807	UPWIND
	STATION 3	TSP-1	1109	0.77	0.0547	18
	STATION 4	TSP-9	1455	1.02	0.0340	11
	STATION 4	TSP-5	1140	0.80	0.0509	17

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
15-Jun-04	STATION 1	TSP-4	2023	1.43	0.1029	UPWIND
	STATION 3	TSP-1	1146	0.79	0.0402	23
	STATION 4	TSP-5	1189	0.80	0.0493	29
	STATION 4	TSP-9	1489	1.00	0.0393	23
17-Jun-04	STATION 1	TSP-4	1895	1.38	0.0809	UPWIND
	STATION 3	TSP-1	1105	0.79	0.0352	26
	STATION 4	TSP-9	1532	1.16	0.0224	17
	STATION 4	TSP-5	1137	0.86	0.0182	13
18-Jun-04	STATION 1	TSP-4	2173	1.51	0.0763	73
	STATION 3	TSP-1	1167	0.80	0.0410	39
	STATION 4	TSP-9	1595	1.12	0.0255	24
	STATION 4	TSP-5	1054	0.74	0.0361	34
21-Jun-04	STATION 1	TSP-4	1815	1.22	0.1897	UPWIND
	STATION 3	TSP-1	1177	0.77	0.0585	18
	STATION 4	TSP-5	1121	0.73	0.0556	18
	STATION 4	TSP-9	1720	1.12	0.0365	12
22-Jun-04	STATION 1	TSP-4	2328	1.65	0.0652	104 ⁺
	STATION 3	TSP-1	1112	0.81	0.0333	53
	STATION 4	TSP-9	1574	1.12	0.0193	31
	STATION 4	TSP-5	1052	0.75	0.0291	46
23-Jun-04	STATION 1	TSP-4	2272	1.59	0.1697	UPWIND
	STATION 3	TSP-1	1189	0.81	0.0301	11
	STATION 4	TSP-5	1123	0.77	0.0273	10
	STATION 4	TSP-9	1692	1.16	0.0212	7
24-Jun-04	STATION 1	TSP-4	2230	1.55	0.3660	UPWIND
	STATION 3	TSP-1	1171	0.80	0.0526	9
	STATION 4	TSP-9	1626	1.13	0.0349	6
	STATION 4	TSP-5	1136	0.79	0.0408	7
25-Jun-04	STATION 1	TSP-4	2836	1.51	0.0715	51
	STATION 3	TSP-1	1539	0.82	0.0274	20
	STATION 4	TSP-9	2184	1.18	0.0154	11
	STATION 4	TSP-5	1350	0.73	0.0266	19
28-Jun-04	STATION 1	TSP-4	2257	1.55	0.1595	24
	STATION 3	TSP-1	1292	0.83	0.0536	8
	STATION 4	TSP-5	1314	0.85	0.0308	5
	STATION 4	TSP-9	1732	1.12	0.0335	5

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
29-Jun-04	STATION 3	TSP-1	1106	0.80	0.0345	UPWIND
	STATION 1	TSP-4	1442	1.03	0.1924	334 ⁺
	STATION 4	TSP-9	1597	1.16	0.0225	39
	STATION 4	TSP-5	1156	0.84	0.0292	51
30-Jun-04	STATION 3	TSP-1	1639	1.16	0.0325	UPWIND
	STATION 1	TSP-4	1420	1.02	0.1880	346 ⁺
	STATION 4	TSP-9	1156	0.85	0.0282	52
	STATION 4	TSP-9	1442	1.06	0.0321	59
1-Jul-04	STATION 3	TSP-1	1896	1.15	0.0445	UPWIND
	STATION 1	TSP-4	1637	0.96	0.2522	339 ⁺
	STATION 4	TSP-9	1710	1.05	0.0346	47
	STATION 4	TSP-5	1515	0.93	0.0450	61
7-Jul-04	STATION 1	TSP-4	1630	1.14	0.0398	UPWIND
	STATION 3	TSP-1	1660	1.14	0.0274	41
	STATION 4	TSP-9	1447	1.03	0.0158	24
	STATION 4	TSP-5	1179	0.84	0.0309	46
8-Jul-04	STATION 1	TSP-4	1673	1.17	0.0911	UPWIND
	STATION 3	TSP-1	1663	1.15	0.0444	29
	STATION 4	TSP-9	760	*	*	*
	STATION 4	TSP-5	599	*	*	*
9-Jul-04	STATION 1	TSP-4	1595	1.10	0.1310	UPWIND
	STATION 3	TSP-1	1647	1.15	0.0361	17
	STATION 4	TSP-9	1598	1.10	0.0228	10
	STATION 4	TSP-5	1280	0.88	0.0406	19
13-Jul-04	STATION 1	TSP-4	1537	1.07	0.0604	UPWIND
	STATION 3	TSP-1	1285	1.08	0.0409	41
	STATION 4	TSP-9	1482	0.99	0.0215	21
	STATION 4	TSP-5	1284	0.84	0.0388	38
14-Jul-04	STATION 1	TSP-4	1461	1.05	0.0424	85
	STATION 3	TSP-1	1635	1.15	0.0369	74
	STATION 4	TSP-5	1289	0.91	0.0215	43
	STATION 4	TSP-9	1445	1.02	0.0151	30
15-Jul-04	STATION 1	TSP-4	1516	1.06	0.1401	127 ⁺
	STATION 3	TSP-1	1565	1.12	0.0434	39
	STATION 4	TSP-5	1294	1.00	0.0395	36
	STATION 4	TSP-9	1190	0.92	0.0166	15

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
16-Jul-04	STATION 1	TSP-4	2100	1.09	0.1542	UPWIND
	STATION 3	TSP-1	1396	0.73	0.0858	33
	STATION 4	TSP-9	1252	0.66	0.0454	18
	STATION 4	TSP-5	1650	0.87	0.0425	17
19-Jul-04	STATION 1	TSP-4	1427	1.04	0.2056	UPWIND
	STATION 4	TSP-9	926	0.66	0.0463	13
	STATION 4	TSP-5	1185	0.85	0.0435	13
20-Jul-04	STATION 1	TSP-4	1494	1.04	0.5297	UPWIND
	STATION 3	TSP-1	1070	0.73	0.1078	12
	STATION 4	TSP-9	959	0.67	0.4175	47
	STATION 4	TSP-5	1246	0.87	0.0620	7
21-Jul-04	STATION 1	TSP-4	1482	1.04	0.3168	UPWIND
	STATION 3	TSP-1	1379	0.96	0.0575	11
	STATION 4	TSP-5	1263	0.89	0.0677	13
	STATION 4	TSP-9	981	0.69	0.0594	11
22-Jul-04	STATION 1	TSP-4	1558	1.08	0.2556	UPWIND
	STATION 3	TSP-1	1156	0.79	0.0755	18
	STATION 4	TSP-5	1260	0.88	0.0547	13
	STATION 4	TSP-9	933	0.65	0.0597	14
23-Jul-04	STATION 3	TSP-1	1162	0.76	0.0624	UPWIND
	STATION 1	TSP-4	1623	1.09	0.0983	94
	STATION 4	TSP-5	1222	0.84	0.0312	30
	STATION 4	TSP-9	974	0.67	0.0369	35
26-Jul-04	STATION 1	TSP-4	1526	1.07	0.1287	251 ⁺
	STATION 3	TSP-1	989	0.77	0.0366	71
	STATION 4	TSP-9	1034	0.68	0.0178	35
	STATION 4	TSP-5	1322	0.87	0.0253	49
27-Jul-04	STATION 1	TSP-4	1143	*	*	*
	STATION 3	TSP-1	1033	0.78	0.0390	55
	STATION 4	TSP-5	1159	0.86	0.0350	49
	STATION 4	TSP-9	944	0.70	0.0281	40
28-Jul-04	STATION 3	TSP-1	1122	0.75	0.0675	UPWIND
	STATION 1	TSP-4	1209	0.96	0.2777	246 ⁺
	STATION 4	TSP-5	452	*	*	*
	STATION 4	TSP-9	387	*	*	*
29-Jul-04	STATION 1	TSP-4	1374	0.97	0.4184	UPWIND
	STATION 3	TSP-1	1180	0.85	0.0603	9
	STATION 4	TSP-9	365	*	*	*
	STATION 4	TSP-5	434	*	*	*

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
30-Jul-04	STATION 1	TSP-4	1304	0.88	0.1054	UPWIND
	STATION 3	TSP-1	842	0.71	0.1198	68
	STATION 4	TSP-5	1084	0.75	0.0400	23
	STATION 4	TSP-9	910	0.63	0.0454	26
2-Aug-04	STATION 3	TSP-1	1234	0.87	0.095	UPWIND
	STATION 1	TSP-4	1108	0.95	0.1671	105 ⁺
	STATION 4	TSP-5	1040	0.74	0.0559	35
	STATION 4	TSP-9	914	0.65	0.0508	32
3-Aug-04	STATION 1	TSP-4	1226	0.94	0.3584	UPWIND
	STATION 3	TSP-1	1263	0.87	0.1207	20
	STATION 4	TSP-5	1119	0.78	0.0855	14
	STATION 4	TSP-9	961	0.67	0.0817	14
4-Aug-04	STATION 3	TSP-1	1305	0.9	0.0564	UPWIND
	STATION 1	TSP-4	1360	0.95	0.146	155 ⁺
	STATION 4	TSP-9	1160	0.8	0.0236	25
	STATION 4	TSP-5	1102	0.76	0.0507	54
5-Aug-04	STATION 1	TSP-4	1340	0.94	0.0363	82
	STATION 3	TSP-1	1251	0.87	0.1973	448 ⁺
	STATION 4	TSP-5	1097	0.78	0.0366	83
	STATION 4	TSP-9	944	0.67	0.0371	84
6-Aug-04	STATION 3	TSP-1	1573	0.93	0.1198	UPWIND
	STATION 1	TSP-4	1600	0.96	0.0806	40
	STATION 4	TSP-9	1096	0.66	0.0249	12
	STATION 4	TSP-5	1345	0.81	0.0274	14
10-Aug-04	STATION 1	TSP-4	1342	0.92	0.1206	174 ⁺
	STATION 3	TSP-1	1302	0.88	0.0685	99
	STATION 4	TSP-5	1076	0.75	0.044	63
	STATION 4	TSP-9	974	0.68	0.037	53
11-Aug-04	STATION 1	TSP-4	1363	0.95	0.1147	152 ⁺
	STATION 3	TSP-1	1388	0.91	0.0756	100 ⁺
	STATION 4	TSP-5	1358	0.95	0.0186	25
	STATION 4	TSP-9	1115	0.78	0.0128	17
12-Aug-04	STATION 1	TSP-4	1295	0.91	0.1118	216 ⁺
	STATION 3	TSP-1	1240	0.91	0.1323	256 ⁺
	STATION 4	TSP-5	1329	0.97	0.0242	47
	STATION 4	TSP-9	1002	0.73	0.0321	62

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
13-Aug-04	STATION 3	TSP-1	1552	0.85	0.1381	UPWIND
	STATION 1	TSP-4	1653	0.9	0.0753	33
	STATION 4	TSP-9	1421	0.79	0.0246	11
	STATION 4	TSP-5	1745	0.97	0.026	11
16-Aug-04	STATION 1	TSP-4	1253	0.88	0.1866	UPWIND
	STATION 3	TSP-1	1155	0.79	0.1229	39
	STATION 4	TSP-9	989	0.68	0.046	15
	STATION 4	TSP-5	1336	0.92	0.0434	14
17-Aug-04	STATION 1	TSP-4	1259	0.88	0.6464	UPWIND
	STATION 3	TSP-1	1335	0.92	0.0563	5
	STATION 4	TSP-9	1007	0.7	0.0517	5
	STATION 4	TSP-5	1353	0.94	0.0511	5
18-Aug-04	STATION 1	TSP-4	1252	0.87	0.6291	UPWIND
	STATION 3	TSP-1	1105	0.76	0.1148	11
	STATION 4	TSP-5	1326	0.91	0.0661	6
	STATION 4	TSP-9	976	0.67	0.0715	7
19-Aug-04	STATION 1A	TSP-4	1003	0.81	0.1195	UPWIND
	STATION 2B	TSP-3	1157	0.93	0.0833	42
	STATION 3	TSP-1	1188	0.79	0.1665	83
	STATION 4	TSP-9	1003	0.68	0.081	41
	STATION 4	TSP-5	1413	0.96	0.0717	36
20-Aug-04	STATION 2B	TSP-3	1553	0.94	0.0298	UPWIND
	STATION 1A	TSP-4	1416	0.86	0.0249	50
	STATION 3	TSP-1	1197	0.74	0.0266	53
	STATION 4	TSP-5	1436	0.9	0.0194	39
	STATION 4	TSP-9	1149	0.72	0.0203	41
23-Aug-04	STATION 4	TSP-9	958	0.69	0.0462	UPWIND
	STATION 4	TSP-5	1222	0.88	0.044	UPWIND
	STATION 1A	TSP-4	1150	0.83	0.2763	376 ⁺
	STATION 2B	TSP-3	1255	0.9	0.0782	106 ⁺
	STATION 3	TSP-1	1074	0.78	0.0841	114 ⁺
24-Aug-04	STATION 1A	TSP-4	1269	0.88	0.0537	UPWIND
	STATION 2B	TSP-3	1402	0.94	0.1317	147 ⁺
	STATION 3	TSP-1	1261	0.83	0.0508	57
	STATION 4	TSP-9	1163	0.81	0.0135	15
	STATION 4	TSP-5	1258	0.88	0.0266	30

TABLE C1.1

**GROUP 1 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
25-Aug-04	STATION 1A	TSP-4	1230	0.88	0.0604	UPWIND
	STATION 2B	TSP-3	1313	0.93	0.0593	59
	STATION 3	TSP-1	1239	0.89	0.0417	41
	STATION 4	TSP-9	976	0.71	0.0282	28
	STATION 4	TSP-5	1149	0.84	0.0289	29
26-Aug-04	STATION 1A	TSP-4	1298	0.9	0.0344	UPWIND
	STATION 2B	TSP-3	1336	0.94	0.0589	103 ⁺
	STATION 3	TSP-1	1305	0.83	0.0715	124 ⁺
	STATION 4	TSP-9	1090	0.69	0.0376	65
	STATION 4	TSP-5	1316	0.83	0.0386	67
27-Aug-04	STATION 1A	TSP-4	1602	0.9	0.0699	UPWIND
	STATION 2B	TSP-3	1419	0.93	0.0426	36
	STATION 3	TSP-1	1282	0.78	0.0814	70
	STATION 4	TSP-5	1356	0.84	0.0538	46
	STATION 4	TSP-9	1116	0.69	0.0418	36
30-Aug-04	STATION 2B	TSP-3	1326	0.92	0.0357	UPWIND
	STATION 1A	TSP-4	1264	0.89	0.2072	348 ⁺
	STATION 3	TSP-1	1222	0.83	0.0559	94
	STATION 4	TSP-5	1234	0.85	0.0331	56
	STATION 4	TSP-9	987	0.68	0.0349	59
31-Aug-04	STATION 3	TSP-1	1204	0.84	0.0939	UPWIND
	STATION 1A	TSP-4	1299	0.91	0.1956	125 ⁺
	STATION 2B	TSP-3	1320	0.92	0.0311	20
	STATION 4	TSP-5	1237	0.88	0.0325	21
	STATION 4	TSP-9	1012	0.72	0.0299	19

Notes:

- * Result not reported due to machine malfunction.
- J Estimated result. Results if less than reporting limit.
- ND Not detected.
- + Cause of exceedances included disposal truck and Zipp truck traffic in the Zipp lot, grading of fill material in close proximity of the air monitoring stations, inadequate watering of the haul roads, and dust generated during street sweeping activities.

TABLE C1.2

**GROUP 1A TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
1-Sep-04	STATION 2B	TSP-3	1327	0.92	0.0518	UPWIND
	STATION 1A	TSP-4	1281	0.89	0.1689	195 ⁽¹⁾
	STATION 3	TSP-1	1201	0.83	0.2805	324 ⁽²⁾
	STATION 4	TSP-5	1254	0.89	0.0451	52
	STATION 4	TSP-9	1000	0.71	0.0439	51
2-Sep-04	STATION 3	TSP-1	1273	0.87	0.231	UPWIND
	STATION 1A	TSP-4	1294	0.91	0.1495	39
	STATION 2B	TSP-3	1327	0.92	0.0585	15
	STATION 4	TSP-5	1268	0.87	0.0572	15
	STATION 4	TSP-9	1020	0.7	0.0532	14
3-Sep-04	STATION 1A	TSP-4	1345	0.9	0.1097	UPWIND
	STATION 2B	TSP-3	1344	0.9	0.0778	42
	STATION 3	TSP-1	1348	0.91	0.057	31
	STATION 4	TSP-5	1220	0.84	0.0628	34
	STATION 4	TSP-9	1073	0.74	0.0621	34
8-Sep-04	STATION 2B	TSP-3	1373	0.92	0.039	UPWIND
	STATION 1A	TSP-4	1277	0.89	0.1559	239 ⁽¹⁾
	STATION 3	TSP-1	1312	0.87	0.2942	452 ⁽²⁾
	STATION 4	TSP-9	921	0.67	0.053	81
	STATION 4	TSP-5	1224	0.89	0.0372	57
9-Sep-04	STATION 3	TSP-1	1214	0.83	0.1769	UPWIND
	STATION 1A	TSP-4	1239	0.89	0.1408	48
	STATION 2B	TSP-3	1216	0.9	0.0291	10
	STATION 4	TSP-5	1185	0.83	0.0343	12
	STATION 4	TSP-9	771	0.54	0.0341	12
10-Sep-04	STATION 3	TSP-1	1384	0.8	0.152	UPWIND
	STATION 1A	TSP-4	1583	0.9	0.1468	58
	STATION 2B	TSP-3	1309	0.77	0.0901	35
	STATION 4	TSP-9	199	*	*	*
	STATION 4	TSP-5	1466	0.86	0.0384	15
13-Sep-04	STATION 1A	TSP-4	1194	0.83	0.1287	UPWIND
	STATION 2B	TSP-3	941	0.65	0.3053	142 ⁽³⁾
	STATION 3	TSP-1	1112	0.78	0.1122	52
	STATION 4	TSP-9	1120	0.8	0.0634	29
	STATION 4	TSP-9	1146	0.82	0.0512	24
14-Sep-04	STATION 4	TSP-5	1296	0.87	0.0579	UPWIND
	STATION 4	TSP-9	1225	0.82	0.0487	UPWIND
	STATION 1A	TSP-4	1293	0.88	0.1149	141 ⁽¹⁾
	STATION 2B	TSP-3	1111	0.75	0.1392	171 ⁽³⁾
	STATION 3	TSP-1	1269	0.85	0.1125	138 ⁽²⁾

TABLE C1.2

**GROUP 1A TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
15-Sep-04	STATION 1A	TSP-4	1235	0.87	0.0985	UPWIND
	STATION 2B	TSP-3	1072	0.75	0.2613	159 ⁽³⁾
	STATION 3	TSP-1	1223	0.85	0.0708	43
	STATION 4	TSP-5	1250	0.89	0.0462	28
	STATION 4	TSP-9	1182	0.84	0.0393	24
16-Sep-04	STATION 3	TSP-1	1202	0.83	0.0886	UPWIND
	STATION 1A	TSP-4	1241	0.87	0.0939	63
	STATION 2B	TSP-3	1076	0.75	0.049	33
	STATION 4	TSP-9	1152	0.81	0.0455	31
	STATION 4	TSP-5	1191	0.84	0.0451	30
17-Sep-04	STATION 3	TSP-1	1227	0.83	0.1213	UPWIND
	STATION 1A	TSP-4	1227	0.84	0.1881	93
	STATION 2B	TSP-3	1107	0.75	0.0528	26
	STATION 4	TSP-9	1148	0.79	0.0426	21
	STATION 4	TSP-5	1278	0.88	0.0392	19
18-Sep-04	STATION 3	TSP-1	1340	0.85	0.0664	UPWIND
	STATION 1A	TSP-4	143	*	*	*
	STATION 2B	TSP-3	1243	0.79	0.078	70
	STATION 4	TSP-9	872	0.83	0.0342	31
	STATION 4	TSP-5	1425	0.92	0.0196	18
20-Sep-04	STATION 4	TSP-9	1083	0.84	0.0257	UPWIND
	STATION 4	TSP-5	1145	0.89	0.0252	UPWIND
	STATION 1A	TSP-4	1078	0.86	0.1644	391 ⁽¹⁾
	STATION 2B	TSP-3	1000	0.75	0.1069	254 ⁽³⁾
	STATION 3	TSP-1	1079	0.83	0.1361	323 ⁽²⁾
21-Sep-04	STATION 1A	TSP-4	1112	0.89	0.2897	UPWIND
	STATION 2B	TSP-3	1139	0.8	0.1011	21
	STATION 3	TSP-1	1348	0.93	0.1424	29
	STATION 4	TSP-9	1213	0.86	0.0614	13
	STATION 4	TSP-5	1313	0.93	0.0577	12
22-Sep-04	STATION 3	TSP-1	1215	0.84	0.2358	UPWIND
	STATION 1A	TSP-4	1243	0.86	0.1897	48
	STATION 2B	TSP-3	1149	0.79	0.0871	22
	STATION 4	TSP-9	941	0.71	0.1	25
	STATION 4	TSP-5	1230	0.93	0.0573	15
23-Sep-04	STATION 1A	TSP-4	1180	0.83	0.1417	UPWIND
	STATION 2B	TSP-3	1057	0.74	0.1125	48
	STATION 3	TSP-1	1160	0.79	0.1422	60
	STATION 4	TSP-9	1107	0.7	0.0852	36
	STATION 4	TSP-5	1455	0.92	0.056	24

TABLE C1.2

**GROUP 1A TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
24-Sep-04	STATION 2B	TSP-3	1632	0.96	0.0371	UPWIND
	STATION 1A	TSP-4	1428	0.83	0.1658	268 ⁽³⁾
	STATION 3	TSP-1	1267	0.77	0.1223	197 ⁽²⁾
	STATION 4	TSP-9	1039	0.68	0.0916	148 ⁽⁴⁾
	STATION 4	TSP-5	1314	0.86	0.0803	130 ⁽⁴⁾
27-Sep-04	STATION 3	TSP-1	1174	0.8	0.3129	UPWIND
	STATION 1A	TSP-4	1227	0.86	0.2451	47
	STATION 2B	TSP-3	1031	0.94	0.0493	9
	STATION 4	TSP-9	1076	0.74	0.0951	18
	STATION 4	TSP-5	1279	0.88	0.0923	18
28-Sep-04	STATION 3	TSP-1	1234	0.83	0.1922	UPWIND
	STATION 1A	TSP-4	1120	0.88	0.1979	62
	STATION 2B	TSP-3	1373	0.95	0.0445	14
	STATION 4	TSP-9	1130	0.75	0.0793	25
	STATION 4	TSP-5	1341	0.89	0.0783	24
29-Sep-04	STATION 3	TSP-1	1098	0.78	0.1651	UPWIND
	STATION 1A	TSP-4	1250	0.86	0.1971	71
	STATION 2B	TSP-3	1405	0.96	0.0526	19
	STATION 4	TSP-5	1253	0.9	0.0414	15
	STATION 4	TSP-9	1056	0.76	0.0386	14
30-Sep-04	STATION 3	TSP-1	1172	0.9	0.0776	UPWIND
	STATION 1A	TSP-4	1137	0.88	0.134	103
	STATION 2B	TSP-3	1249	0.96	0.0709	55
	STATION 4	TSP-9	973	0.73	0.0399	31
	STATION 4	TSP-5	1225	0.92	0.035	27
1-Oct-04	STATION 4	TSP-9	1137	0.77	0.0701	UPWIND
	STATION 4	TSP-5	1363	0.92	0.0677	UPWIND
	STATION 1A	TSP-4	1337	0.88	0.0995	88
	STATION 2B	TSP-3	1455	0.95	0.1054	93
	STATION 3	TSP-1	1345	0.87	0.0592	52
2-Oct-04	STATION 3	TSP-1	1243	0.81	0.1762	UPWIND
	STATION 1A	TSP-4	1347	0.88	0.0956	32
	STATION 2B	TSP-3	1469	0.97	0.0208	7
	STATION 4	TSP-5	1388	0.9	0.0306	10
	STATION 4	TSP-9	1314	0.85	0.0234	8
4-Oct-04	STATION 3	TSP-1	1127	0.79	0.1732	UPWIND
	STATION 1A	TSP-4	1180	0.87	0.1931	67
	STATION 2B	TSP-3	1292	0.93	0.0276	10
	STATION 4	TSP-9	1031	0.73	0.0661	23
	STATION 4	TSP-5	1257	0.89	0.0639	22

TABLE C1.2

**GROUP 1A TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
5-Oct-04	STATION 3	TSP-1	1338	0.86	0.0939	UPWIND
	STATION 1A	TSP-4	1298	1.02	0.1359	87
	STATION 2B	TSP-3	1514	0.97	0.0396	25
	STATION 4	TSP-9	1210	0.8	0.0326	21
	STATION 4	TSP-5	1448	0.96	0.0244	16
7-Oct-04	STATION 4	TSP-9	1125	0.79	0.0777	UPWIND
	STATION 4	TSP-5	1283	0.9	0.0687	UPWIND
	STATION 1A	TSP-4	1478	1.01	0.0951	83
	STATION 2B	TSP-3	1403	0.95	0.0855	75
	STATION 3	TSP-1	1164	0.78	0.1411	123 ⁽²⁾
8-Oct-04	STATION 4	TSP-9	1181	0.77	0.0994	UPWIND
	STATION 4	TSP-5	1380	0.89	0.0851	UPWIND
	STATION 1A	TSP-4	1607	1	0.0826	58
	STATION 2B	TSP-3	1521	0.94	0.0945	66
	STATION 3	TSP-1	1305	0.84	0.0855	60
11-Oct-04	STATION 3	TSP-1	1223	0.83	0.0966	UPWIND
	STATION 1A	TSP-4	1233	1	0.0817	51
	STATION 2B	TSP-3	1330	0.93	0.052	32
	STATION 4	TSP-9	1017	0.7	0.0601	37
	STATION 4	TSP-5	1280	0.88	0.0476	30
12-Oct-04	STATION 3	TSP-1	1165	0.8	0.0523	UPWIND
	STATION 1A	TSP-4	374	*	*	*
	STATION 2B	TSP-3	1355	0.94	0.0575	66
	STATION 4	TSP-9	1063	0.74	0.0449	51
	STATION 4	TSP-5	1235	0.86	0.0447	51
13-Oct-04	STATION 2B	TSP-3	1591	0.94	0.0468	UPWIND
	STATION 1A	TSP-4	1110	1.03	0.0277	35
	STATION 3	TSP-1	1130	0.78	0.0561	72
	STATION 4	TSP-9	1086	0.76	0.0444	57
	STATION 4	TSP-5	1257	0.88	0.0372	48
14-Oct-04	STATION 2B	TSP-3	1182	0.96	0.0397	UPWIND
	STATION 1A	TSP-4	901	0.94	0.0471	71
	STATION 3	TSP-1	1342	0.88	0.0317	48
	STATION 4	TSP-9	1188	0.79	0.0471	71
	STATION 4	TSP-5	1339	0.89	0.039	59
15-Oct-04	STATION 1A	TSP-4	1590	0.89	0.0366	UPWIND
	STATION 2B	TSP-3	1676	0.93	0.0332	54
	STATION 3	TSP-1	1519	0.88	0.0122	20
	STATION 4	TSP-9	1257	0.74	0.0364	60
	STATION 4	TSP-5	1547	0.91	0.0287	47

TABLE C1.2

**GROUP 1A TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
19-Oct-04	STATION 3	TSP-1	1202	0.79	0.0433	UPWIND
	STATION 1A	TSP-4	1334	0.89	0.0453	63
	STATION 2B	TSP-3	1369	0.92	0.0397	55
	STATION 4	TSP-9	1104	0.72	0.0482	67
	STATION 4	TSP-5	1351	0.88	0.0419	58
20-Oct-04	STATION 3	TSP-1	1145	0.83	0.0362	UPWIND
	STATION 1A	TSP-4	1224	0.95	0.0303	50
	STATION 2B	TSP-3	1283	0.95	0.035	58
	STATION 4	TSP-9	1084	0.8	0.0412	68
	STATION 4	TSP-5	1204	0.89	0.0392	65
21-Oct-04	STATION 3	TSP-1	1180	0.81	0.0561	UPWIND
	STATION 1A	TSP-4	1214	0.92	0.045	48
	STATION 2B	TSP-3	1421	0.97	0.0397	42
	STATION 4	TSP-5	1659	1.22	0.1288	137 ⁽²⁾
	STATION 4	TSP-9	1129	0.83	0.0612	65
22-Oct-04	STATION 1A	TSP-4	1479	0.9	0.0492	UPWIND
	STATION 2B	TSP-3	1567	0.95	0.0421	51
	STATION 3	TSP-1	1331	0.81	0.0658	80
	STATION 4	TSP-9	1362	0.84	0.0537	65
	STATION 4	TSP-5	1976	1.22	0.0332	40
25-Oct-04	STATION 1A	TSP-4	1184	0.83	0.1139	UPWIND
	STATION 2B	TSP-3	1304	0.91	0.1031	54
	STATION 3	TSP-1	1207	0.77	0.1593	84
	STATION 4	TSP-9	1239	0.79	0.05	26
	STATION 4	TSP-5	1882	1.2	0.0335	18
26-Oct-04	STATION 1A	TSP-4	1278	0.89	0.0883	UPWIND
	STATION 2B	TSP-3	1391	0.96	0.0357	24
	STATION 3	TSP-1	1064	0.75	0.0796	54
	STATION 4	TSP-9	1166	0.83	0.0401	27
	STATION 4	TSP-5	1728	1.23	0.028	19
27-Oct-04	STATION 3	TSP-1	1147	0.77	0.0411	UPWIND
	STATION 1A	TSP-4	1074	0.87	0.0395	58
	STATION 2B	TSP-3	1310	0.93	0.0263	38
	STATION 4	TSP-5	1871	1.27	0.0399	58
	STATION 4	TSP-9	1193	0.81	0.0389	57
28-Oct-04	STATION 1A	TSP-4	1299	0.89	0.0534	UPWIND
	STATION 2B	TSP-3	1336	0.91	0.0585	66
	STATION 3	TSP-1	1110	0.77	0.111	124 ⁽²⁾
	STATION 4	TSP-9	1188	0.83	0.0526	59
	STATION 4	TSP-5	1763	1.23	0.0361	40

TABLE C1.2

**GROUP 1A TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
29-Oct-04	STATION 1A	TSP-4	1790	0.91	0.0358	UPWIND
	STATION 2B	TSP-3	2272	1.15	0.0628	105 ⁽⁶⁾
	STATION 3	TSP-1	1312	0.71	0.0806	135 ⁽²⁾
	STATION 4	TSP-9	1453	0.8	0.0432	72
	STATION 4	TSP-5	2179	1.2	0.0339	57
1-Nov-04	STATION 1A	TSP-4	1319	0.88	0.0174	UPWIND
	STATION 2B	TSP-3	1687	1.22	0.0261	90
	STATION 3	TSP-1	921	0.71	0.0433	149 ⁽²⁾
	STATION 4	TSP-9	980	0.68	0.0299	103 ⁽⁷⁾
	STATION 4	TSP-5	1712	1.19	0.0164	56
2-Nov-04	STATION 3	TSP-1	1237	0.83	0.1014	UPWIND
	STATION 1A	TSP-4	1152	0.86	0.0132	8
	STATION 2B	TSP-3	1366	0.94	0.0107	6
	STATION 4	TSP-9	1150	0.77	0.0347	20
	STATION 4	TSP-5	1821	1.22	0.0187	11
3-Nov-04	STATION 3	TSP-1	1144	0.81	0.3685	UPWIND
	STATION 1A	TSP-4	1108	0.86	0.0242	4
	STATION 2B	TSP-3	1353	0.95	0.02	3
	STATION 4	TSP-9	1193	0.84	0.0551	9
	STATION 4	TSP-5	1800	1.27	0.0203	3
4-Nov-04	STATION 2B	TSP-3	1439	1	0.0216	UPWIND
	STATION 1A	TSP-4	1266	0.89	0.0397	110 ⁽¹⁾
	STATION 3	TSP-1	1154	0.83	0.0549	152 ⁽²⁾
	STATION 4	TSP-9	1182	0.85	0.027	75
	STATION 4	TSP-5	1779	1.28	0.0172	48
5-Nov-04	STATION 1A	TSP-4	1709	0.91	0.0429	UPWIND
	STATION 2B	TSP-3	1782	0.94	0.0447	62
	STATION 3	TSP-1	1480	0.8	0.0912	127 ⁽²⁾
	STATION 4	TSP-9	1562	0.85	0.0276	39
	STATION 4	TSP-5	2316	1.26	0.0246	34
8-Nov-04	STATION 1A	TSP-4	1355	0.9	0.4277	UPWIND
	STATION 2B	TSP-3	1414	0.92	0.0805	11
	STATION 3	TSP-1	1286	0.83	0.4071	57
	STATION 4	TSP-9	1562	1.21	0.0408	6
	STATION 4	TSP-5	1640	1.27	0.0369	5
9-Nov-04	STATION 4	TSP-9	1648	1.23	0.0403	UPWIND
	STATION 1A	TSP-4	1745	1.29	0.0472	70
	STATION 2B	TSP-3	1431	0.98	0.0426	63
	STATION 3	TSP-1	1330	0.9	0.2183	324 ⁽²⁾

TABLE C1.2

**GROUP 1A TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
10-Nov-04	STATION 1A	TSP-4	1626	1.31	0.0469	UPWIND
	STATION 2B	TSP-3	1477	0.98	0.1238	158 ⁽⁸⁾
	STATION 3	TSP-1	1178	0.8	0.0648	83
	STATION 4	TSP-9	1840	1.26	0.024	31
11-Nov-04	STATION 3	TSP-1	1123	0.84	0.0217	UPWIND
	STATION 1A	TSP-4	1678	1.24	0.015	41
	STATION 2B	TSP-3	1263	0.92	0.013	36
	STATION 4	TSP-9	1678	1.24	0.0181	50
12-Nov-04	STATION 3	TSP-1	1637	0.84	0.4295	UPWIND
	STATION 1A	TSP-4	2499	1.3	0.0279	4
	STATION 2B	TSP-3	1979	1.02	0.014	2
	STATION 4	TSP-9	2323	1.22	0.0703	10
15-Nov-04	STATION 1A	TSP-4	1848	1.28	0.0697	UPWIND
	STATION 2B	TSP-3	2038	1.4	0.0663	57
	STATION 3	TSP-1	1071	0.81	0.1678	144 ⁽²⁾
	STATION 4	TSP-9	1404	1.17	0.0426	37
16-Nov-04	STATION 1A	TSP-4	2002	1.32	0.0538	UPWIND
	STATION 2B	TSP-3	1658	1.1	0.0556	62
	STATION 3	TSP-1	1414	0.89	0.1339	149 ⁽²⁾
	STATION 4	TSP-9	2029	1.25	0.0324	36
17-Nov-04	STATION 1A	TSP-4	1533	1.28	0.0505	UPWIND
	STATION 2B	TSP-3	1629	1.04	0.1114	132 ⁽⁹⁾
	STATION 3	TSP-1	1241	0.85	0.1068	127 ⁽²⁾
	STATION 4	TSP-9	2228	1.28	0.0364	43
18-Nov-04	STATION 1A	TSP-4	1599	1.27	0.0253	UPWIND
	STATION 2B	TSP-3	1126	0.92	0.0559	132 ⁽⁹⁾
	STATION 3	TSP-1	1218	0.89	0.0489	116 ⁽²⁾
	STATION 4	TSP-9	1688	1.22	0.0284	67
19-Nov-04	STATION 1A	TSP-4	2330	1.27	0.0331 J	UPWIND
	STATION 2B	TSP-3	1861	1.01	0.0477 J	86
	STATION 3	TSP-1	1524	0.82	0.0402 J	73
	STATION 4	TSP-9	2146	1.27	0.0193 J	35
22-Nov-04	STATION 4	TSP-9	2051	1.2	0.0195	UPWIND
	STATION 1A	TSP-4	2166	1.25	0.0187	57
	STATION 2B	TSP-3	1968	1.13	0.0256	79
	STATION 3	TSP-1	1451	0.84	0.0364	112 ⁽²⁾

TABLE C1.2

**GROUP 1A TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
29-Nov-04	STATION 3	TSP-1	1248	0.83	0.0975	UPWIND
	STATION 1A	TSP-4	2020	1.28	0.016	10
	STATION 2B	TSP-3	1763	1.12	0.0205	13
	STATION 4	TSP-9	1847	1.26	0.0206	13
30-Nov-04	STATION 1A	TSP-4	1826	1.31	0.0075	UPWIND
	STATION 2B	TSP-3	1540	1.08	0.0112	89
	STATION 3	TSP-1	1443	0.86	0.0182	145 ⁽²⁾
	STATION 4	TSP-9	1830	1.24	0.0077	61
1-Dec-04	STATION 1A	TSP-4	1551	1.3	0.0317	UPWIND
	STATION 2B	TSP-3	1625	1.08	0.0674	127 ⁽¹⁰⁾
	STATION 3	TSP-1	1104	0.83	0.0753	142 ⁽²⁾
	STATION 4	TSP-9	1752	1.25	0.0276	52
2-Dec-04	STATION 1A	TSP-4	1326	1.02	0.0539	UPWIND
	STATION 2B	TSP-3	1411	1.01	0.0714	79
	STATION 3	TSP-1	1077	0.87	0.1072	119 ⁽²⁾
3-Dec-04	STATION 1A	TSP-4	1712	0.97	0.0811	UPWIND
	STATION 2B	TSP-3	1654	0.98	0.0739	55
	STATION 3	TSP-1	1573	0.88	0.0898	66
	STATION 4	TSP-9	1482	0.93	0.0364	27
6-Dec-04	STATION 1A	TSP-4	1272	0.87	0.0198	UPWIND
	STATION 2B	TSP-3	1547	0.97	0.0185	56
	STATION 3	TSP-1	1226	0.85	0.0171	52
	STATION 4	TSP-9	1101	0.82	0.0202	61
7-Dec-04	STATION 2B	TSP-3	1365	0.96	0.0147	UPWIND
	STATION 1A	TSP-4	1303	0.93	0.0255	104 ⁽¹⁰⁾
	STATION 3	TSP-1	1241	0.84	0.0401	163 ⁽²⁾
	STATION 4	TSP-9	1330	0.91	0.0168	68
8-Dec-04	STATION 4	TSP-9	1173	0.87	0.0752	UPWIND
	STATION 1A	TSP-4	1212	0.98	0.024	19
	STATION 2B	TSP-3	1427	0.98	0.0184	15
	STATION 3	TSP-1	1117	0.83	0.1834	146 ⁽²⁾
9-Dec-04	STATION 1A	TSP-4	1338	0.88	0.0287	UPWIND
	STATION 2B	TSP-3	1389	0.91	0.029	61
	STATION 3	TSP-1	1229	0.84	0.0587	122 ⁽²⁾
	STATION 4	TSP-9	1158	0.86	0.0326	68

TABLE C1.2

**GROUP 1A TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
10-Dec-04	STATION 2B	TSP-3	1698	0.93	0.009	UPWIND
	STATION 1A	TSP-4	1676	0.93	0.0151	100 ⁽⁸⁾
	STATION 3	TSP-1	1352	0.74	0.0168	112 ⁽²⁾
	STATION 4	TSP-9	1541	0.88	0.0155	103 ⁽¹⁰⁾
13-Dec-04	STATION 2B	TSP-3	1380	0.95	0.0221	UPWIND
	STATION 1A	TSP-4	1349	0.94	0.0964	261 ⁽⁸⁾
	STATION 3	TSP-1	1505	1.21	0.055	149 ⁽²⁾
	STATION 4	TSP-9	1299	0.9	0.0206	56
14-Dec-04	STATION 2B	TSP-3	1474	1.04	0.0322	UPWIND
	STATION 1A	TSP-4	1484	1.06	0.037	69
	STATION 3	TSP-1	1775	1.26	0.0666	124 ⁽²⁾
	STATION 4	TSP-9	1238	0.92	0.039	73
15-Dec-04	STATION 1A	TSP-4	1266	0.99	0.033	UPWIND
	STATION 2B	TSP-3	1526	0.99	0.0899	163 ⁽⁸⁾
	STATION 3	TSP-1	1808	1.25	0.0365	66
	STATION 4	TSP-9	1396	0.97	0.0265	48
20-Dec-04	STATION 1A	TSP-4	1285	0.93	0.0705	UPWIND
	STATION 2B	TSP-3	1317	0.94	0.1273	108 ⁽⁸⁾
	STATION 4	TSP-9	1197	0.88	0.0335	28
21-Dec-04	STATION 1A	TSP-4	1513	0.98	0.0217	UPWIND
	STATION 2B	TSP-3	1459	0.95	0.0143	39
	STATION 3	TSP-1	1716	1.18	0.053	146 ⁽²⁾
	STATION 4	TSP-9	1279	0.94	0.0433	119 ⁽²⁾
4-Jan-05	STATION 3	TSP-1	1820	1.19	0.0053	UPWIND
	STATION 1A	TSP-4	1452	0.92	0.0678	766 ⁽¹¹⁾
	STATION 2B	TSP-3	1470	0.92	0.0099	112 ⁽¹²⁾
	STATION 4	TSP-9	1199	0.81	0.0468	529 ⁽¹⁰⁾
6-Jan-05	STATION 2B	TSP-3	1736	1.03	0.0147	UPWIND
	STATION 1A	TSP-4	1584	0.95	0.0296	121 ⁽¹¹⁾
	STATION 3	TSP-1	2009	1.25	0.0341	139 ⁽²⁾
	STATION 4	TSP-9	1384	0.89	0.0353	144 ⁽²⁾
7-Jan-08	STATION 4	TSP-9	1035	0.89	0.038	UPWIND
	STATION 1A	TSP-4	1150	0.78	0.0136	21
	STATION 2B	TSP-3	1276	1.03	0.0109	17
	STATION 3	TSP-1	1813	1.24	0.0382	60

TABLE C1.2

**GROUP 1A TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
10-Jan-05	STATION 1A	TSP-4	1354	0.93	0.0417	41
	STATION 2B	TSP-3	1085	1.01	0.0285	28
	STATION 3	TSP-1	1813	1.16	0.0981	96
	STATION 4	TSP-9	1204	0.81	0.0611	UPWIND
10-Jan-05	STATION 1A	TSP-4	1322	0.93	0.023	UPWIND
	STATION 3	TSP-1	1677	1.16	0.019	59
	STATION 4	TSP-9	1106	0.8	0.0215	56
12-Jan-05	STATION 1A	TSP-4	1119	0.9	0.0364	UPWIND
	STATION 2B	TSP-3	1399	0.95	0.038	63
	STATION 3	TSP-1	1647	1.19	0.0237	39
	STATION 4	TSP-9	1029	0.77	0.0254	42
13-Jan-05	STATION 1A	TSP-4	1398	1.01	0.0136	UPWIND
	STATION 3	TSP-1	1272	0.93	0.0252	111 ⁽¹¹⁾
	STATION 4	TSP-9	1162	0.83	0.0473	208 ⁽²⁾
	STATION 2B	TSP-3	1098	0.81	0.0197	87
14-Jan-05	STATION 2B	TSP-3	1024	1.05	0.0291	UPWIND
	STATION 1A	TSP-4	1757	0.98	0.058	119 ⁽¹¹⁾
	STATION 3	TSP-1	1569	0.9	0.2271	467 ⁽²⁾
	STATION 4	TSP-9	1534	0.92	0.0777	160 ⁽²⁾
17-Jan-05	STATION 1A	TSP-4	1386	1.04	0.0439	108 ⁽¹¹⁾
	STATION 2B	TSP-3	1208	1.07	0.0244	UPWIND
	STATION 3	TSP-1	1288	0.89	0.0661	162 ⁽²⁾
	STATION 4	TSP-9	1174	0.84	0.0371	91
18-Jan-05	STATION 1A	TSP-4	1499	1.01	0.0465	UPWIND
	STATION 2B	TSP-3	1584	1.04	0.0908	117 ⁽¹²⁾
	STATION 3	TSP-1	1337	0.91	0.0933	120 ⁽²⁾
	STATION 4	TSP-9	1163	0.86	0.063	81
19-Jan-08	STATION 1A	TSP-4	1137	0.95	0.0384	105 ⁽¹¹⁾
	STATION 2B	TSP-3	1456	1.03	0.0218	UPWIND
	STATION 3	TSP-1	1229	0.86	0.0464	127 ⁽¹¹⁾
	STATION 4	TSP-9	1084	0.79	0.0377	104 ⁽²⁾
20-Jan-05	STATION 1A	TSP-4	1396	0.95	0.0385	68
	STATION 2B	TSP-3	489	*	*	*
	STATION 3	TSP-1	1252	0.86	0.0337	UPWIND
	STATION 4	TSP-9	1047	0.75	0.0715	127 ⁽¹⁰⁾
21-Jan-05	STATION 1A	TSP-4	1763	0.97	0.0341	42
	STATION 3	TSP-1	1523	0.86	0.0491	UPWIND
	STATION 4	TSP-9	1350	0.79	0.0388	47

TABLE C1.2

**GROUP 1A TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
24-Jan-05	STATION 1A	TSP-4	1306	1	0.0551	UPWIND
	STATION 2B	TSP-3	1344	1.02	0.0878	95
	STATION 3	TSP-1	1259	0.84	0.0695	76
	STATION 4	TSP-9	1111	0.75	0.0512	56
25-Jan-05	STATION 1A	TSP-4	1384	0.97	0.0677	UPWIND
	STATION 2B	TSP-3	1662	1.13	0.0847	75
	STATION 3	TSP-1	1211	0.84	0.0738	65
	STATION 4	TSP-9	1083	0.76	0.0739	65

Notes:

- * Result not reported due to machine malfunction.
- J Estimated result. Results if less than reporting limit.
- ND Not detected.
- (1) Exceedance attributed to truck traffic in Zipp lot.
- (2) Exceedance attributed to truck traffic at Parcel 216 laydown area.
- (3) No work conducted in the vicinity of the air monitoring station. Exceedance attributed to area conditions due to lack of rainfall.
- (4) Exceedance attributed to excavation in NAOI4.
- (5) Exceedance attributed to moving gravel stockpile in area of Station 1A.
- (6) Exceedance attributed to project truck traffic along haul road.
- (7) Exceedance attributed to rock breaking in NAOI4 for seep collection system H.
- (8) Exceedance attributed to topsoil stockpiling activities in Zipp laydown area.
- (9) Exceedance attributed to topsoil placement activities along Branch A in NAOI4.
- (10) No work conducted in the vicinity of the air monitoring station.
- (11) Exceedance attributed to project and Zipp traffic in Zipp laydown area.
- (12) Exceedance attributed to restoration activities in NAOI4 area.

TABLE C1.3

**GROUP 5 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
01-Oct-04	STATION 3	TSP-1	1345	0.87	0.0592	UPWIND
	STATION 14	TSP-11	932	0.89	0.1035	105 ⁽¹⁾
02-Oct-04	STATION 3	TSP-1	1243	0.81	0.1762	283 ⁽¹⁾
	STATION 14	TSP-11	1413	0.95	0.0151	24
04-Oct-04	STATION 3	TSP-1	1127	0.79	0.1732	217 ⁽¹⁾
	STATION 14	TSP-11	1245	0.89	0.0339	42
05-Oct-04	STATION 3	TSP-1	1338	0.86	0.0939	123 ⁽¹⁾
	STATION 14	TSP-11	1526	0.97	0.0288	38
06-Oct-04	STATION 14	TSP-11	1327	0.98	0.0406	23
07-Oct-04	STATION 3	TSP-1	1164	0.78	0.1411	67
	STATION 14	TSP-11	1399	0.94	0.0719	34
08-Oct-04	STATION 3	TSP-1	1305	0.84	0.0855	UPWIND
	STATION 14	TSP-11	1473	0.96	0.0469	33
11-Oct-04	STATION 3	TSP-1	1223	0.83	0.0966	33
	STATION 14	TSP-11	1298	0.91	0.0409	14
12-Oct-04	STATION 3	TSP-1	1165	0.8	0.0523	23
	STATION 14	TSP-11	1317	0.93	0.0336	15
13-Oct-04	STATION 3	TSP-1	1130	0.78	0.0561	107 ⁽²⁾
	STATION 14	TSP-11	1428	0.91	0.0314	UPWIND
14-Oct-04	STATION 3	TSP-1	1342	0.88	0.0317	45
	STATION 14	TSP-11	1213	0.92	0.0425	UPWIND
21-Oct-04	STATION 3	TSP-1	1180	0.81	0.0561	81
	STATION 14	TSP-11	1344	0.93	0.0408	59
26-Oct-04	STATION 3	TSP-1	1064	0.75	0.0796	UPWIND
	STATION 14	TSP-11	1328	0.92	0.0342	26
27-Oct-04	STATION 3	TSP-1	1147	0.77	0.0411	32
	STATION 14	TSP-11	1339	0.96	0.0667	52
28-Oct-04	STATION 3	TSP-1	1110	0.77	0.111	UPWIND
	STATION 14	TSP-11	1321	0.91	0.0693	37

TABLE C1.3

GROUP 5 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
29-Oct-04	STATION 3	TSP-1	1312	0.71	0.0806	UPWIND
	STATION 14	TSP-11	1730	0.92	0.0432	32
01-Nov-04	STATION 3	TSP-1	921	0.71	0.0433	UPWIND
	STATION 14	TSP-11	1001	0.91	0.0241	33
02-Nov-04	STATION 3	TSP-1	1237	0.83	0.1014	399 ⁽²⁾
	STATION 14	TSP-11	917	0.91	0.0152	UPWIND
03-Nov-04	STATION 3	TSP-1	1144	0.81	0.3685	467 ⁽²⁾
	STATION 14	TSP-11	1578	1.16	0.0337	43
04-Nov-04	STATION 3	TSP-1	1154	0.83	0.0549	227 ⁽²⁾
	STATION 14	TSP-11	1686	1.2	0.0145	UPWIND
05-Nov-04	STATION 3	TSP-1	1480	0.8	0.0912	UPWIND
	STATION 14	TSP-11	2213	1.2	0.0249	16
08-Nov-04	STATION 3	TSP-1	1286	0.83	0.4071	750 ⁽²⁾
	STATION 14	TSP-11	1771	1.18	0.0325	UPWIND
09-Nov-04	STATION 3	TSP-1	1330	0.9	0.2183	326 ⁽²⁾
	STATION 14	TSP-11	1403	1.2	0.0682	102 ⁽²⁾
	STATION 14	TSP-5	1442	1.23	0.0664	99
10-Nov-04	STATION 3	TSP-1	1178	0.8	0.0648	UPWIND
	STATION 14	TSP-11	1775	1.19	0.0464	43
	STATION 14	TSP-5	1848	1.24	0.0463	43
11-Nov-04	STATION 3	TSP-1	1123	0.84	0.0217	94
	STATION 14	TSP-5	1647	1.21	0.0084	36
	STATION 14	TSP-11	1606	1.18	0.0073	32
12-Nov-04	STATION 3	TSP-1	1637	0.84	0.4295	1231 ⁽²⁾
	STATION 14	TSP-11	2279	1.19	0.014	40
	STATION 14	TSP-5	2472	1.29	0.0072	21
15-Nov-04	STATION 3	TSP-1	1071	0.81	0.1678	UPWIND
	STATION 14	TSP-11	1708	1.17	0.0438	16
	STATION 14	TSP-5	1825	1.25	0.0339	12

TABLE C1.3

**GROUP 5 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
16-Nov-04	STATION 3	TSP-1	1414	0.89	0.1339	UPWIND
	STATION 14	TSP-11	1803	1.19	0.0491	22
	STATION 14	TSP-5	1966	1.3	0.0342	15
19-Nov-04	STATION 3	TSP-1	1524	0.82	0.0402 J	UPWIND
	STATION 14	TSP-11	1987	1.1	0.0222 J	33
	STATION 14	TSP-5	2147	1.19	0.0174 J	26
06-Dec-04	STATION 3	TSP-1	1226	0.85	0.0171	UPWIND
	STATION 14	TSP-11	1377	0.93	0.02	70
	STATION 14	TSP-5	1861	1.23	0.0184	64
07-Dec-04	STATION 3	TSP-1	1241	0.84	0.0401	329 ⁽²⁾
	STATION 14	TSP-11	1409	0.98	0.0109	UPWIND
	STATION 14	TSP-5	2013	1.4	0.0073	UPWIND
08-Dec-04	STATION 3	TSP-1	1117	0.83	0.1834	439 ⁽²⁾
	STATION 14	TSP-11	1374	1.01	0.0378	UPWIND
	STATION 14	TSP-5	1686	1.24	0.025	UPWIND
09-Dec-04	STATION 3	TSP-1	1229	0.84	0.0587	UPWIND
	STATION 14	TSP-5	1782	1.24	0.0172	18
	STATION 14	TSP-11	1424	0.99	0.0164	18
10-Dec-04	STATION 3	TSP-1	1352	0.74	0.0168 J	287 ⁽²⁾
	STATION 14	TSP-11	1775	0.97	0.0088 J	UPWIND
	STATION 14	TSP-5	2264	1.23	0.0035 J	UPWIND
13-Dec-04	STATION 3	TSP-1	1505	1.21	0.055	281 ⁽²⁾
	STATION 14	TSP-11	1506	1.03	0.0143	UPWIND
	STATION 14	TSP-5	1812	1.25	0.0117	UPWIND
14-Dec-04	STATION 3	TSP-1	1775	1.26	0.0666	327 ⁽²⁾
	STATION 14	TSP-5	1833	1.32	0.0122	UPWIND
	STATION 14	TSP-11	1497	1.07	0.0092	UPWIND
15-Dec-04	STATION 3	TSP-1	1808	1.25	0.0365	UPWIND
	STATION 14	TSP-5	1928	1.26	0.0316	52
	STATION 14	TSP-11	1544	1.01	0.0188	31
20-Dec-04	STATION 14	TSP-5	1952	1.39	0.0273	46
	STATION 14	TSP-11	1373	0.98	0.0229	39

TABLE C1.3

**GROUP 5 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
21-Dec-04	STATION 3	TSP-1	1716	1.18	0.053	UPWIND
	STATION 14	TSP-11	1389	0.95	0.0268	30
	STATION 14	TSP-5	1854	1.27	0.0132	15
03-Jan-05	STATION 3	TSP-1	1309	1.13	0.0126	UPWIND
	STATION 14	TSP-11	1116	0.91	0.0142	67
	STATION 14	TSP-5	1482	1.21	0.0112	53
04-Jan-05	STATION 3	TSP-1	1820	1.19	0.0053	23
	STATION 14	TSP-11	1333	0.92	0.0064	28
	STATION 14	TSP-5	1793	1.24	0.0034	15
05-Jan-05	STATION 3	TSP-1	1740	1.22	0.0021	7
	STATION 14	TSP-11	1315	0.89	0.0175	60
07-Jan-05	STATION 3	TSP-1	1813	1.24	0.0382	131 ⁽²⁾
	STATION 14	TSP-5	2061	1.25	0.0118	40
	STATION 14	TSP-11	1652	1	ND	ND
10-Jan-05	STATION 3	TSP-1	1813	1.16	0.0981	153 ⁽²⁾
	STATION 14	TSP-11	1348	0.9	0.0357	56
	STATION 14	TSP-5	1830	1.22	0.0322	50
11-Jan-05	STATION 3	TSP-1	1677	1.16	0.019	UPWIND
	STATION 14	TSP-11	1396	0.91	0.0259	82
	STATION 14	TSP-5	1844	1.2	0.0185	58
01-Feb-05	STATION 3	TSP-1	1166	0.86	0.2083	177 ⁽²⁾
	STATION 14	TSP-11	1345	0.98	0.0619	53
02-Feb-05	STATION 3	TSP-1	1347	0.89	0.1561	167 ⁽²⁾
	STATION 14	TSP-11	1450	0.92	0.0612	65
03-Feb-05	STATION 3	TSP-1	1280	0.85	0.1127	112 ⁽²⁾
	STATION 14	TSP-11	1380	0.96	0.0604	UPWIND
04-Feb-05	STATION 3	TSP-1	1274	0.88	0.0851	UPWIND
	STATION 14	TSP-5	1387	0.95	0.0721	51
	STATION 14	TSP-11	1447	0.99	0.0641	45
07-Feb-05	STATION 3	TSP-1	1217	0.82	0.0299	UPWIND
	STATION 14	TSP-11	1322	0.88	0.0219	44
	STATION 14	TSP-5	1442	0.96	0.0183	37

TABLE C1.3

**GROUP 5 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
08-Feb-05	STATION 3	TSP-1	1217	0.8	0.0196	98
	STATION 14	TSP-11	1275	0.89	0.012	UPWIND
09-Feb-05	STATION 3	TSP-1	1191	0.85	0.0226	315 ⁽²⁾
	STATION 14	TSP-11	1260	0.88	0.0122	170 ⁽²⁾
10-Feb-05	STATION 3	TSP-1	1816	1.05	0.0272	61
	STATION 14	TSP-11	1569	0.92	0.0268	UPWIND
14-Feb-05	STATION 3	TSP-1	1082	0.76	0.0445	UPWIND
	STATION 14	TSP-11	1147	0.83	0.0189	25
16-Feb-05	STATION 3	TSP-1	1097	0.76	0.0521	134 ⁽²⁾
	STATION 14	TSP-11	1257	0.85	0.0232	UPWIND
17-Feb-05	STATION 3	TSP-1	1190	0.85	0.0916	176 ⁽²⁾
	STATION 14	TSP-11	1304	0.94	0.0311	UPWIND
18-Feb-05	STATION 3	TSP-1	1253	0.85	0.2094	915 ⁽²⁾
	STATION 14	TSP-11	1319	0.91	0.0137	UPWIND
21-Feb-05	STATION 3	TSP-1	1162	0.85	0.041	91
	STATION 14	TSP-11	1013	0.79	0.0269	UPWIND
22-Feb-05	STATION 3	TSP-1	1360	0.92	0.0418	92
	STATION 14	TSP-11	1229	0.83	0.0271	UPWIND
23-Feb-05	STATION 3	TSP-1	1333	0.94	0.0776	185 ⁽²⁾
	STATION 14	TSP-11	1174	0.83	0.0227	54
24-Feb-05	STATION 3	TSP-1	1396	0.92	0.0474	88
	STATION 14	TSP-11	1247	0.83	0.0323	UPWIND
25-Feb-05	STATION 3	TSP-1	1456	0.88	0.0718	UPWIND
	STATION 14	TSP-11	1417	0.86	0.0415	35
28-Feb-05	STATION 3	TSP-1	1219	0.83	0.0234	84
	STATION 14	TSP-11	1072	0.71	0.0167	UPWIND
01-Mar-05	STATION 3	TSP-1	1441	0.93	0.0124	50
	STATION 14	TSP-11	1282	0.81	0.0148	UPWIND

TABLE C1.3

**GROUP 5 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
02-Mar-05	STATION 3	TSP-1	1183	0.9	0.1304	392 ⁽⁴⁾
	STATION 14	TSP-11	1078	0.86	0.0199	UPWIND
03-Mar-05	STATION 3	TSP-1	1566	0.92	0.0877	UPWIND
	STATION 14	TSP-11	1515	0.87	0.0375	26
16-Mar-05	STATION 3	TSP-1	1371	0.89	0.1939	**
	STATION 14	TSP-11	1377	0.87	0.0518	**
17-Mar-05	STATION 3	TSP-1	1541	0.92	0.1163	UPWIND
	STATION 14	TSP-11	1509	0.88	0.0686	35
24-Mar-05	STATION 3	TSP-1	1473	0.96	0.0511	71
	STATION 14	TSP-11	1282	0.84	0.0477	66
08-Apr-05	STATION 3	TSP-1	1580	0.92	0.1897	301 ⁽⁴⁾
	STATION 14	TSP-11	1477	0.86	0.0186	29
11-Apr-05	STATION 3	TSP-1	1186	0.88	0.0919	145 ⁽⁴⁾
	STATION 14	TSP-11	1412	1.05	0.0516	82
12-Apr-05	STATION 3	TSP-1	1381	0.93	0.092	95
	STATION 14	TSP-11	1191	0.81	0.0395	41
13-Apr-05	STATION 3	TSP-1	1357	0.95	0.0728	178 ⁽⁴⁾
	STATION 14	TSP-11	1274	0.9	0.0381	93
14-Apr-05	STATION 3	TSP-1	1367	0.95	0.2078	348 ⁽⁴⁾
	STATION 14	TSP-11	1407	0.94	0.0334	56
15-Apr-05	STATION 3	TSP-1	1558	0.97	0.1099	**
	STATION 14	TSP-11	1379	0.89	0.0489	**
18-Apr-05	STATION 3	TSP-1	974	0.91	0.1238	UPWIND
	STATION 14	TSP-11	1137	0.85	0.1161	56
21-Apr-05	STATION 3	TSP-1	1978	1.2	0.1089	199 ⁽⁴⁾
	STATION 14	TSP-11	2038	1.25	0.0251	46
25-Apr-05	STATION 3	TSP-1	1501	1.11	0.0508	UPWIND
	STATION 14	TSP-11	2082	1.55	0.0226	27

TABLE C1.3

**GROUP 5 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
28-Apr-05	STATION 3	TSP-1	1986	1.19	0.0187	20
	STATION 14	TSP-11	2232	1.35	0.014	15
20-May-05	STATION 3	TSP-1	1931	1.13	0.1644	162 ⁽²⁾
	STATION 14	TSP-11	1917	1.16	0.039	38
	STATION 14	TSP-5	1487	0.9	0.0263	26
23-May-05	STATION 3	TSP-1	1643	1.14	0.0844	113 ⁽²⁾
	STATION 14	TSP-5	1295	0.91	0.0588	UPWIND
	STATION 14	TSP-11	1750	1.23	0.0447	UPWIND
24-May-05	STATION 3	TSP-1	1698	1.17	0.1092	147 ⁽²⁾
	STATION 14	TSP-5	1375	0.94	0.0289	39
	STATION 14	TSP-11	2006	1.37	0.0207	28
25-May-05	STATION 3	TSP-1	1618	1.11	0.1475	146 ⁽²⁾
	STATION 14	TSP-5	1377	0.96	0.0397	39
	STATION 14	TSP-11	1722	1.2	0.0312	31
26-May-05	STATION 3	TSP-1	1628	1.06	0.1243	UPWIND
	STATION 14	TSP-5	1351	0.92	0.0798	38
	STATION 14	TSP-11	1822	1.24	0.0606	29
31-May-05	STATION 3	TSP-1	1539	1.09	0.1211	166 ⁽²⁾
	STATION 14	TSP-5	1329	0.92	0.0479	65
	STATION 14	TSP-11	1792	1.24	0.0382	52
Start of East Plant Area Final Cover System Activities						
01-Jun-05	STATION 3	TSP-1	1564	1.06	0.1559	193 ⁽⁵⁾
	STATION 14	TSP-5	1273	0.92	0.0538	67
02-Jun-05	STATION 3	TSP-1	1553	1.07	0.0314	61
	STATION 14	TSP-11	1045	0.89	0.0369	72
	STATION 14	TSP-5	1113	0.95	0.035	68
06-Jun-05	STATION 3	TSP-1	1738	1.13	0.1389	UPWIND
	STATION 14	TSP-11	1302	0.85	0.0826	36
	STATION 14	TSP-5	1408	0.92	0.0664	29
07-Jun-05	STATION 3	TSP-1	1385	1.01	0.123	UPWIND
	STATION 14	TSP-11	1136	0.86	0.0858	42
	STATION 14	TSP-5	1340	0.97	0.0516	25

TABLE C1.3

**GROUP 5 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
09-Jun-05	STATION 3	TSP-1	1363	0.95	0.0821	UPWIND
	STATION 14	TSP-11	1255	0.88	0.0865	63
	STATION 14	TSP-5	1312	0.92	0.0492	36
15-Jun-05	STATION 3	TSP-1	1357	0.99	0.0889 J	136 ⁽⁵⁾
	STATION 14	TSP-5	1227	0.88	0.0474 J	UPWIND
	STATION 14	TSP-11	1160	0.83	0.0391 J	UPWIND
16-Jun-05	STATION 3	TSP-1	1875	1.06	0.2675	344 ⁽⁵⁾
	STATION 14	TSP-11	786	0.73	0.0561	UPWIND
	STATION 14	TSP-5	839	0.78	0.0466	UPWIND
20-Jun-05	STATION 3	TSP-1	1080	0.97	0.3136	257 ⁽⁵⁾
	STATION 14	TSP-11	1145	0.83	0.0617	50
	STATION 14	TSP-5	1230	0.89	0.0595	49
21-Jun-05	STATION 3	TSP-1	12	0.87	*	*
	STATION 14	TSP-11	1067	0.81	**	**
	STATION 14	TSP-5	1199	0.91	**	**
22-Jun-05	STATION 14	TSP-11	1245	0.88	0.0693	58
	STATION 14	TSP-5	1274	0.9	0.0691	58
23-Jun-05	STATION 3	TSP-1	883	0.81	0.0955	UPWIND
	STATION 14	TSP-5	1213	0.88	0.096	60
	STATION 14	TSP-11	1185	0.86	0.0897	56
08-Sep-05	STATION 3	TSP-1	2	0.72	*	*
	STATION 14	TSP-11	850	0.82	**	**
	STATION 14	TSP-5	0	0.94	**	**

Notes:

- * Results not reported due to machine malfunction.
- ** UPWIND machine did not run, therefore percent allowable not calculable.
- J Estimated result. Results if less than reporting limit.
- (1) No work conducted in the vicinity of the air monitoring station.
- (2) Exceedance attributed to Project truck traffic at Parcel 216 laydown area
- (3) Exceedance attributed to excavation activities along Parcel 15 and Parcel 216.
- (4) Exceedance attributed to Project truck traffic at Parcel 216 laydown area within the clean zone.
- (5) Exceedance attributed to Project truck traffic along Bailey Scales Road.

TABLE C1.4

**GROUP 5A TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
14-Nov-05	STATION 3	TSP-1	*	*	*	*
	STATION 14	TSP-11	358	0.77	*	*
	STATION 14	TSP-5	413	0.89	*	*
17-Nov-05	STATION 3	TSP-1	1037	0.9	0.0472	69
	STATION 14	TSP-11	1242	0.9	0.0446	UPWIND
	STATION 14	TSP-5	1240	0.9	0.0407	UPWIND
22-Nov-05	STATION 3	TSP-1	1213	0.82	0.0561	**
	STATION 14	TSP-11	594	0.91	0.0253	**
	STATION 14	TSP-5	610	0.93	0.0202	**

Notes:

- * Results not reported due to machine malfunction.
- ** UPWIND machine did not run, therefore percent allowable not calculable.
- (1) Exceedance attributed to hauling activities related to restoration work.

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
19-May-06	STATION 1B	TSP-12	954	0.58	0.0869	**
	STATION 22B	TSP-9	1437	0.87	0.0711	**
	STATION 23	TSP-3	954	0.61	0.0611	**
	STATION 29	TSP-8	1509	0.89	0.0528	**
	STATION 30	TSP-1	87	*	*	*
22-May-06	STATION 1B	TSP-12	927	0.61	0.0548	49
	STATION 14	TSP-11	1256	0.9	0.0589	UPWIND
	STATION 14	TSP-5	1268	0.91	0.0676	UPWIND
	STATION 22B	TSP-9	1339	0.89	0.0624	55
	STATION 23	TSP-3	776	0.56	0.0684	61
	STATION 29	TSP-8	1418	0.9	0.0461	41
	STATION 30	TSP-1	987	0.73	0.0428	38
23-May-06	STATION 1B	TSP-12	935	0.68	0.0718	67
	STATION 14	TSP-11	1389	0.92	0.0551	51
	STATION 14	TSP-5	1402	0.93	0.0524	49
	STATION 22B	TSP-9	1279	0.93	0.0686 J	64
	STATION 23	TSP-3	974	0.66	0.0496 J	46
	STATION 29	TSP-8	1295	0.96	0.0643 J	UPWIND
	STATION 30	TSP-1	1135	0.76	0.08	75
24-May-06	STATION 1B	TSP-12	1780	1.14	0.1049	126 ⁽¹⁾
	STATION 14	TSP-11	1237	0.9	0.0721	87
	STATION 14	TSP-5	1334	0.97	0.0643	77
	STATION 22B	TSP-9	2110	1.38	0.0499	UPWIND
	STATION 23	TSP-3	960	0.71	0.0608	73
	STATION 29	TSP-8	1511	0.93	0.0719	86
	STATION 30	TSP-1	1034	0.73	0.0734	88
25-May-06	STATION 1B	TSP-12	1410	1.1	0.0799	83
	STATION 14	TSP-11	1193	0.87	0.0581	60
	STATION 14	TSP-5	1315	0.96	0.0637	66
	STATION 22B	TSP-9	1560	1.29	0.0576	UPWIND
	STATION 23	TSP-3	843	0.62	0.0706	73
	STATION 29	TSP-8	1230	0.94	0.0711	74
	STATION 30	TSP-1	968	0.71	0.0799	83
30-May-06	STATION 1B	TSP-12	1588	1.08	0.0773	44
	STATION 14	TSP-11	1380	0.95	0.0638	36
	STATION 14	TSP-5	1454	1	0.0587	34
	STATION 22B	TSP-9	2084	1.33	0.0436	25
	STATION 23	TSP-3	851	0.59	0.0766	44
	STATION 29	TSP-8	1328	0.9	0.1047	UPWIND
	STATION 30	TSP-1	1017	0.69	0.0572	33

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
31-May-06	STATION 1B	TSP-12	1615	1.12	0.0695	34
	STATION 14	TSP-11	1441	0.97	0.0713	35
	STATION 14	TSP-5	1411	0.95	0.0629	31
	STATION 22B	TSP-9	1852	1.37	0.0454	22
	STATION 23	TSP-3	728	0.5	0.1059	52
	STATION 29	TSP-8	1370	0.94	0.1214	UPWIND
	STATION 30	TSP-1	1066	0.72	0.0655	32
01-Jun-06	STATION 1B	TSP-12	1596	1.11	0.0493	42
	STATION 14	TSP-11	1358	0.97	0.0644	UPWIND
	STATION 14	TSP-5	1329	0.95	0.0709	UPWIND
	STATION 22B	TSP-9	1939	1.36	0.0464	39
	STATION 23	TSP-3	707	0.5	0.1184	100 ⁽²⁾
	STATION 29	TSP-8	1199	0.82	0.1261	107 ⁽³⁾
	STATION 30	TSP-1	1140	0.81	0.0611	52
02-Jun-06	STATION 1B	TSP-12	1647	1.11	0.0326	32
	STATION 14	TSP-11	1440	0.98	0.0572	UPWIND
	STATION 14	TSP-5	1380	0.94	0.0609	UPWIND
	STATION 22B	TSP-9	1956	1.34	0.0451	44
	STATION 23	TSP-3	895	0.61	0.0555	55
	STATION 29	TSP-8	1284	0.84	0.0379	37
	STATION 30	TSP-1	1270	0.86	0.0404	40
05-Jun-06	STATION 1B	TSP-12	1566	1.08	0.0321	35
	STATION 14	TSP-11	1362	0.93	0.0566	UPWIND
	STATION 14	TSP-5	1405	0.96	0.0547	UPWIND
	STATION 22B	TSP-9	2018	1.38	0.0538	59
	STATION 23	TSP-3	1282	0.89	0.0333	36
	STATION 29	TSP-8	956	0.65	0.0521	57
	STATION 30	TSP-1	1089	0.74	0.0667	73
06-Jun-06	STATION 1B	TSP-12	1617	1.08	0.1007	84
	STATION 14	TSP-11	1546	1.01	0.0752	63
	STATION 14	TSP-5	1454	0.95	0.0803	67
	STATION 22B	TSP-9	1994	1.36	0.0699	59
	STATION 23	TSP-3	1006	0.67	0.0678	57
	STATION 29	TSP-8	1244	0.86	0.0714	UPWIND
	STATION 30	TSP-1	1192	0.85	0.0868	73

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
07-Jun-06	STATION 1B	TSP-12	1523	1.11	0.0486	71
	STATION 14	TSP-11	1334	0.96	0.041	60
	STATION 14	TSP-5	1293	0.93	0.0444	65
	STATION 22B	TSP-9	1916	1.35	0.0501	74
	STATION 23	TSP-3	830	0.61	0.0752	110 ⁽⁴⁾
	STATION 29	TSP-8	1152	0.78	0.0408	UPWIND
	STATION 30	TSP-1	1249	0.82	0.0484	71
08-Jun-06	STATION 1B	TSP-12	1302	0.89	0.047	54
	STATION 14	TSP-11	1322	0.97	0.0578	UPWIND
	STATION 14	TSP-5	1343	0.98	0.0517	UPWIND
	STATION 22B	TSP-9	1382	0.95	0.0517	60
	STATION 23	TSP-3	891	0.67	0.0569	66
	STATION 29	TSP-8	1363	0.87	0.0426	49
	STATION 30	TSP-1	513	*	*	*
09-Jun-06	STATION 1B	TSP-12	1171	0.84	0.0681	59
	STATION 14	TSP-11	1373	0.97	0.0597	UPWIND
	STATION 14	TSP-5	1279	0.91	0.069	UPWIND
	STATION 22B	TSP-9	1293	0.93	0.0681	59
	STATION 23	TSP-3	1154	0.83	0.0378	33
	STATION 29	TSP-8	1224	0.86	0.0391	34
	STATION 30	TSP-1	1145	0.81	0.0561	49
10-Jun-06	STATION 1B	TSP-12	522	*	*	*
	STATION 14	TSP-11	583	*	*	*
	STATION 14	TSP-5	572	*	*	*
	STATION 22B	TSP-9	501	*	*	*
	STATION 23	TSP-3	362	*	*	*
	STATION 29	TSP-8	468	*	*	*
	STATION 30	TSP-1	292	*	*	*
12-Jun-06	STATION 1B	TSP-12	1337	0.81	0.0462	67
	STATION 14	TSP-11	1494	1.02	0.0386	UPWIND
	STATION 14	TSP-5	1377	0.94	0.0415	UPWIND
	STATION 22B	TSP-9	1379	0.89	0.0616	89
	STATION 23	TSP-3	1168	0.67	0.0566	82
	STATION 29	TSP-8	1218	0.71	0.0345	50
	STATION 30	TSP-1	4	*	*	*

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
13-Jun-06	STATION 1B	TSP-12	1042	0.84	0.0647	91
	STATION 14	TSP-11	1397	0.92	0.0278	UPWIND
	STATION 14	TSP-5	1426	0.94	0.0426	UPWIND
	STATION 22B	TSP-9	1278	0.94	0.0738	104 ⁽⁴⁾
	STATION 23	TSP-3	919	0.74	0.0631	89
	STATION 29	TSP-8	981	0.84	0.0382	54
	STATION 30	TSP-1	957	0.86	0.0404	57
14-Jun-06	STATION 1B	TSP-12	1110	0.84	0.0841	85
	STATION 14	TSP-11	1210	0.89	0.0534	UPWIND
	STATION 14	TSP-5	1249	0.92	0.0589	UPWIND
	STATION 22B	TSP-9	1238	0.92	0.1083	110 ⁽⁴⁾
	STATION 23	TSP-3	803	0.6	0.074	75
	STATION 29	TSP-8	1352	0.92	0.0564	57
	STATION 30	TSP-1	1155	0.82	0.0624	63
15-Jun-06	STATION 1B	TSP-12	1313	0.89	0.2136	168 ⁽⁵⁾
	STATION 14	TSP-11	1298	0.9	0.0994	78
	STATION 14	TSP-5	1314	0.91	0.1002	79
	STATION 22B	TSP-9	1411	0.92	0.079	62
	STATION 23	TSP-3	286	*	*	*
	STATION 29	TSP-8	1348	0.92	0.0763	UPWIND
	STATION 30	TSP-1	1160	0.81	0.0734	58
16-Jun-06	STATION 1B	TSP-12	1175	0.84	0.2638	304 ⁽⁵⁾
	STATION 14	TSP-11	1276	0.9	0.0731	84
	STATION 14	TSP-5	1318	0.93	0.0774	89
	STATION 22B	TSP-9	1236	0.92	0.0725	84
	STATION 23	TSP-3	13	*	*	*
	STATION 29	TSP-8	1318	0.92	0.0519	UPWIND
	STATION 30	TSP-1	1153	0.81	0.0709	82
17-Jun-06	STATION 1B	TSP-12	1359	0.83	0.177	169 ⁽⁵⁾
	STATION 14	TSP-11	1431	0.91	0.0348	33
	STATION 14	TSP-5	1430	0.91	0.0518	50
	STATION 22B	TSP-9	1490	0.91	0.0626	UPWIND
	STATION 29	TSP-8	1525	0.91	0.056	54
	STATION 30	TSP-1	1286	0.81	0.0868	83

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
19-Jun-06	STATION 1B	TSP-12	1114	0.8	0.123	121 ⁽⁵⁾
	STATION 14	TSP-11	1194	0.84	0.0456	45
	STATION 14	TSP-5	1222	0.86	0.0459	45
	STATION 22B	TSP-9	1331	0.95	0.0609	UPWIND
	STATION 23	TSP-3	1256	0.92	0.0498	49
	STATION 29	TSP-8	1250	0.88	0.055	54
	STATION 30	TSP-1	1097	0.77	0.0549	54
20-Jun-06	STATION 14	TSP-11	1283	0.88	0.0536	38
	STATION 14	TSP-5	1293	0.89	0.0561	40
	STATION 22B	TSP-9	1621	0.96	0.0835	UPWIND
	STATION 23	TSP-3	1343	0.96	0.0572	41
	STATION 29	TSP-8	1323	0.91	0.0661	47
	STATION 30	TSP-1	1176	0.8	0.0571	41
21-Jun-06	STATION 1C	TSP-12	742	0.66	0.1716	122 ⁽⁵⁾
	STATION 14	TSP-11	1248	0.88	0.0772	55
	STATION 14	TSP-5	1278	0.9	0.0864	62
	STATION 22B	TSP-9	1342	0.97	0.084	UPWIND
	STATION 23	TSP-3	1340	0.95	0.0726	52
	STATION 29	TSP-8	1486	0.9	0.123	88
	STATION 30	TSP-1	1158	0.8	0.0959	68
22-Jun-06	STATION 1C	TSP-12	1154	0.81	0.0939	91
	STATION 14	TSP-11	1335	0.93	0.0553	54
	STATION 14	TSP-5	1278	0.89	0.0667	65
	STATION 22B	TSP-9	1435	0.96	0.0617	UPWIND
	STATION 23	TSP-3	1309	0.93	0.0731	71
	STATION 29	TSP-8	1376	0.91	0.062	60
	STATION 30	TSP-1	1174	0.81	0.0575	56
23-Jun-06	STATION 1C	TSP-12	1249	0.91	0.0392	57
	STATION 14	TSP-11	1395	0.97	0.0338	UPWIND
	STATION 14	TSP-5	1392	0.97	0.0409	UPWIND
	STATION 22B	TSP-9	1151	0.97	0.0602	88
	STATION 23	TSP-3	586	*	*	*
	STATION 29	TSP-8	1048	0.9	0.0344	50
	STATION 30	TSP-1	1260	0.87	0.0209	31

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
24-Jun-06	STATION 1C	TSP-12	1093	0.77	0.0554	55
	STATION 14	TSP-11	1272	0.87	0.0616	UPWIND
	STATION 14	TSP-5	1362	0.93	0.0599	UPWIND
	STATION 22B	TSP-9	1361	0.97	0.0699	70
	STATION 23	TSP-3	0	*	*	*
	STATION 29	TSP-8	1297	0.9	0.0465	46
	STATION 30	TSP-1	1238	0.86	0.0426	43
26-Jun-06	STATION 1C	TSP-12	1044	0.78	0.0839	87
	STATION 14	TSP-11	1243	0.85	0.0507	52
	STATION 14	TSP-5	1256	0.86	0.0515	53
	STATION 22B	TSP-9	1302	0.93	0.0624	65
	STATION 29	TSP-8	1131	0.86	0.0579	UPWIND
	STATION 30	TSP-1	1223	0.83	0.038	39
27-Jun-06	STATION 1C	TSP-12	1192	0.83	0.1694	163 ⁽⁵⁾
	STATION 14	TSP-11	1332	0.92	0.0572	55
	STATION 14	TSP-5	1332	0.92	0.0589	57
	STATION 22B	TSP-9	1350	0.97	0.1087	105 ⁽⁶⁾
	STATION 29	TSP-8	1358	0.94	0.0703	68
	STATION 30	TSP-1	1226	0.86	0.0484	47
28-Jun-06	STATION 1C	TSP-12	1189	0.83	0.1779	118 ⁽⁵⁾
	STATION 14	TSP-11	1357	0.92	0.0474	31
	STATION 14	TSP-5	1355	0.92	0.0496	33
	STATION 22B	TSP-9	1402	0.97	0.0904	UPWIND
	STATION 23	TSP-3	1110	0.92	0.0803	53
	STATION 29	TSP-8	1259	0.87	0.0901	60
	STATION 30	TSP-1	1265	0.86	0.045	30
29-Jun-06	STATION 1C	TSP-12	1191	0.83	0.1082	107 ⁽⁵⁾
	STATION 14	TSP-11	1406	0.92	0.0546	UPWIND
	STATION 14	TSP-5	1377	0.9	0.0606	UPWIND
	STATION 22B	TSP-9	1319	0.91	0.1029	102 ⁽⁴⁾
	STATION 23	TSP-3	1283	0.92	0.0686	68
	STATION 29	TSP-8	1392	0.96	0.0545	54
	STATION 30	TSP-1	1258	0.87	0.0417	41
30-Jun-06	STATION 1C	TSP-12	1500	0.88	0.1177	82
	STATION 14	TSP-11	1332	0.9	0.0637	45
	STATION 14	TSP-5	1363	0.92	0.0643	45
	STATION 22B	TSP-9	1541	0.91	0.0857	UPWIND
	STATION 23	TSP-3	1437	0.92	0.0588	41
	STATION 29	TSP-8	1581	0.9	0.0662	46
	STATION 30	TSP-1	1359	0.87	0.0699	49

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
03-Jul-06	STATION 1C	TSP-12	1293	0.8	0.1259	93
	STATION 14	TSP-11	1799	0.97	0.0565	42
	STATION 14	TSP-5	1663	0.96	0.0384	28
	STATION 22B	TSP-9	1392	0.87	0.0815	UPWIND
	STATION 23	TSP-3	1721	1	0.0679	50
	STATION 29	TSP-8	1407	0.85	0.0828	61
	STATION 30	TSP-1	3	*	*	*
05-Jul-06	STATION 1C	TSP-12	919	0.72	0.069	82
	STATION 14	TSP-11	1565	1.08	0.0231	UPWIND
	STATION 14	TSP-5	1290	0.89	0.0505	UPWIND
	STATION 22B	TSP-9	1137	0.88	0.0898	106
	STATION 23	TSP-3	1507	1.06	0.05	59
	STATION 29	TSP-8	1264	0.91	0.0305	36
	STATION 30	TSP-1	4	*	*	*
06-Jul-06	STATION 1C	TSP-12	1241	0.81	0.0493	61
	STATION 14	TSP-11	1623	1.09	0.0404	UPWIND
	STATION 14	TSP-5	1448	0.97	0.0484	UPWIND
	STATION 22B	TSP-9	1437	0.92	0.0869	108 ⁽⁴⁾
	STATION 23	TSP-3	1554	1.07	0.0244	30
	STATION 29	TSP-8	1384	0.96	0.0516	64
	STATION 30	TSP-1	1248	0.96	0.027	33
07-Jul-06	STATION 1C	TSP-12	1040	0.8	0.0312	41
	STATION 14	TSP-11	1550	1.09	0.0344	UPWIND
	STATION 14	TSP-5	1294	0.91	0.0457	UPWIND
	STATION 22B	TSP-9	1252	0.92	0.16	210 ⁽⁴⁾
	STATION 23	TSP-3	1458	1.02	0.0396	52
	STATION 29	TSP-8	1341	0.97	0.0257	34
	STATION 30	TSP-1	1165	0.82	0.0489	64
08-Jul-06	STATION 1C	TSP-12	1256	0.8	0.1763 J	239 ⁽⁴⁾
	STATION 14	TSP-11	1763	1.15	0.04 J	54
	STATION 14	TSP-5	1424	0.93	0.0581 J	79
	STATION 22B	TSP-9	1427	0.95	0.0672 J	91
	STATION 23	TSP-3	1391	0.95	0.0597 J	81
	STATION 29	TSP-8	1456	0.95	0.0442 J	UPWIND
	STATION 30	TSP-1	1228	0.81	0.0628 J	85

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
10-Jul-06	STATION 1C	TSP-12	997	0.7	0.1099	86
	STATION 14	TSP-11	1366	0.95	0.0592	46
	STATION 14	TSP-5	1324	0.92	0.0514	40
	STATION 22B	TSP-9	1227	0.86	0.0769	UPWIND
	STATION 23	TSP-3	1174	0.84	0.0575	45
	STATION 29	TSP-8	1283	0.89	0.0627	49
	STATION 30	TSP-1	1098	0.77	0.0805	63
17-Jul-06	STATION 1C	TSP-12	1088	0.75	0.0867	62
	STATION 14	TSP-11	1401	0.97	0.0594	42
	STATION 14	TSP-5	1312	0.91	0.0607	43
	STATION 22B	TSP-9	1237	0.86	0.084	UPWIND
	STATION 23	TSP-3	1196	0.83	0.0735	52
	STATION 29	TSP-8	1269	0.87	0.0735	52
	STATION 30	TSP-1	17	*	*	*
18-Jul-06	STATION 1C	TSP-12	1106	0.78	0.0023	**
	STATION 14	TSP-11	436	*	*	*
	STATION 14	TSP-5	457	*	*	*
	STATION 22B	TSP-9	1130	0.8	0.1603	**
	STATION 23	TSP-3	1365	0.98	0.076	**
	STATION 29	TSP-8	1292	0.9	0.0685	**
	STATION 30	TSP-1	792	0.78	0.09	**
19-Jul-06	STATION 14	TSP-11	1436	0.97	0.0841	58
	STATION 22B	TSP-9	1240	0.85	0.105	73
	STATION 23	TSP-3	1389	0.96	0.0896	62
	STATION 29	TSP-8	1335	0.9	0.0866	UPWIND
	STATION 30	TSP-1	1174	0.8	0.0958	66
20-Jul-06	STATION 1C	TSP-12	1178	0.8	0.0789	66
	STATION 14	TSP-11	1194	0.86	0.0729	61
	STATION 14	TSP-5	1291	0.93	0.0649	54
	STATION 22B	TSP-9	1267	0.83	0.0997	83
	STATION 23	TSP-3	1064	0.79	0.0914	76
	STATION 29	TSP-8	1442	0.92	0.0716	UPWIND
	STATION 30	TSP-1	1109	0.8	0.0814	68
21-Jul-06	STATION 1C	TSP-12	1124	0.83	0.052	60
	STATION 14	TSP-11	1182	0.86	0.057	UPWIND
	STATION 14	TSP-5	1304	0.95	0.0518	UPWIND
	STATION 22B	TSP-9	1164	0.86	0.0519	60
	STATION 23	TSP-3				
	STATION 29	TSP-8	1238	0.9	0.0536	62
	STATION 30	TSP-1	1094	0.8	0.0512	59

TABLE C1.5

**GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
22-Jul-06	STATION 1C	TSP-12	1662	0.95	0.0278	82
	STATION 14	TSP-11	1411	0.83	0.0322	UPWIND
	STATION 14	TSP-5	1634	0.96	0.0204	UPWIND
	STATION 22B	TSP-9				
	STATION 23	TSP-3				
	STATION 29	TSP-8	1582	0.91	0.0273	80
	STATION 30	TSP-1	1408	0.81	0.0276	81
	24-Jul-06	STATION 1C	TSP-12	1125	0.84	0.0421
STATION 14		TSP-11	1108	0.87	0.0562	52
STATION 14		TSP-5	1172	0.92	0.0529	49
STATION 22B		TSP-9	1073	0.79	0.077	72
STATION 23		TSP-3				
STATION 29		TSP-8	1314	0.95	0.0644	UPWIND
STATION 30		TSP-1	1132	0.92	0.0107	10
25-Jul-06		STATION 14				
	STATION 1C	TSP-12	1289	0.88	0.0874	45
	STATION 14	TSP-11	1312	0.86	0.0723	37
	STATION 14	TSP-5	1324	0.95	0.0725	37
	STATION 22B	TSP-9	1235	0.84	0.1161	UPWIND
	STATION 23	TSP-3	1067	0.79	0.0991	51
	STATION 29	TSP-8	1428	0.96	0.0884	46
	STATION 30	TSP-1	1268	0.92	0.0677	35
26-Jul-06	STATION 1C	TSP-12	1291	0.87	0.0787	50
	STATION 14	TSP-11	1300	0.88	0.0771	49
	STATION 14	TSP-5	1383	0.93	0.0645	41
	STATION 22B	TSP-9	1241	0.82	0.0943	UPWIND
	STATION 23	TSP-3	1108	0.78	0.0702	45
	STATION 29	TSP-8	1452	0.94	*	*
	STATION 30	TSP-1	1348	0.91	0.1115	71
	28-Jul-06	STATION 1C	TSP-12	1057	0.75	0.0702
STATION 14		TSP-11	1223	0.84	0.0459	30
STATION 14		TSP-5	1371	0.94	0.0441	29
STATION 22B		TSP-9	495	0.35	0.0923	UPWIND
STATION 23		TSP-3	1186	0.83	0.0617	40
STATION 29		TSP-8	1063	0.74	0.0685	44
STATION 30		TSP-1	1282	0.89	0.0542	35

TABLE C1.5

**GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
29-Jul-06	STATION 1C	TSP-12	1276	0.88	0.0614	40
	STATION 14	TSP-11	1226	0.84	0.0662	43
	STATION 14	TSP-5	1477	1.01	0.0538	35
	STATION 22B	TSP-9	1187	0.81	0.093	UPWIND
	STATION 23	TSP-3	1150	0.81	0.0863	56
	STATION 29	TSP-8	1144	0.77	0.0853	55
	STATION 30	TSP-1	1357	0.94	0.0629	40
31-Jul-06	STATION 1C	TSP-12	1218	0.88	0.0632	53
	STATION 14	TSP-11	1363	0.98	0.0836	71
	STATION 14	TSP-5	1739	1.25	ND	*
	STATION 22B	TSP-9	1320	0.94	0.0735	62
	STATION 23	TSP-3	1195	0.88	0.0837	71
	STATION 29	TSP-8	1172	0.82	0.0708	UPWIND
	STATION 30	TSP-1	1271	0.92	0.0488	41
01-Aug-06	STATION 1C	TSP-12	1342	0.92	0.0537	36
	STATION 14	TSP-11	1504	1.02	0.0592	40
	STATION 14	TSP-5	1824	1.24	0.0471	32
	STATION 22B	TSP-9	1329	0.92	0.0895	UPWIND
	STATION 23	TSP-3	1189	0.84	0.0732	49
	STATION 29	TSP-8	1192	0.8	0.0956	64
	STATION 30	TSP-1	1307	0.9	0.0765	51
02-Aug-06	STATION 1C	TSP-12	1269	0.88	0.0749	55
	STATION 14	TSP-11	1501	1.02	0.0546	40
	STATION 14	TSP-5	1812	1.23	0.0375	27
	STATION 22B	TSP-9	1393	0.94	0.0818	UPWIND
	STATION 23	TSP-3	1214	0.84	0.0774	57
	STATION 29	TSP-8	1039	0.71	0.0982	72
	STATION 30	TSP-1	1292	0.9	0.0766	56
03-Aug-06	STATION 1C	TSP-12	1143	0.79	0.0744	40
	STATION 14	TSP-11	1489	1.02	0.0564	30
	STATION 14	TSP-5	1793	1.23	0.048	26
	STATION 22B	TSP-9	1227	0.85	0.1108	UPWIND
	STATION 23	TSP-3	1375	0.95	0.0916	50
	STATION 29	TSP-8	1116	0.77	0.1918	104 ⁽⁶⁾
	STATION 30	TSP-1	1117	0.78	0.0734	40

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
04-Aug-06	STATION 1C	TSP-12	1269	0.89	0.0244	83
	STATION 14	TSP-11	1321	1.03	0.0341 J	UPWIND
	STATION 14	TSP-5	1590	1.24	0.0176 J	UPWIND
	STATION 22B	TSP-9	1326	0.91	0.0762	259 ⁽⁴⁾
	STATION 23	TSP-3	1243	0.87	0.0378	129 ⁽²⁾
	STATION 29	TSP-8	1192	0.81	0.0394	134 ⁽⁶⁾
	STATION 30	TSP-1	1167	0.84	0.0171	58
05-Aug-06	STATION 1C	TSP-12	1432	0.88	0.0377	98
	STATION 14	TSP-11	1632	1.03	0.0423 J	UPWIND
	STATION 14	TSP-5	1950	1.23	0.0231 J	UPWIND
	STATION 22B	TSP-9	1595	0.96	0.0571	148 ⁽⁴⁾
	STATION 23	TSP-3	1301	0.83	0.0523	136 ⁽²⁾
	STATION 29	TSP-8	1180	0.7	0.061	158 ⁽⁶⁾
	STATION 30	TSP-1	1305	0.82	0.0743	193 ⁽⁷⁾
07-Aug-06	STATION 1C	TSP-12	1250	0.86	0.064	106 ⁽⁴⁾
	STATION 14	TSP-11	1430	0.99	0.0552	UPWIND
	STATION 14	TSP-5	1747	1.21	0.0361	UPWIND
	STATION 22B	TSP-9	1353	0.91	0.0739	123 ⁽⁴⁾
	STATION 23	TSP-3	1217	0.86	0.0871	144 ⁽²⁾
	STATION 29	TSP-8	990	0.66	0.1253	208 ⁽⁶⁾
	STATION 30	TSP-1	1045	0.72	0.0612	102 ⁽⁷⁾
08-Aug-06	STATION 1C	TSP-12	886	0.74	0.0429	85
	STATION 14	TSP-11	1213	1.01	0.0322	UPWIND
	STATION 14	TSP-5	1429	1.19	0.0301	UPWIND
	STATION 22B	TSP-9	1074	0.89	0.0615	122 ⁽⁴⁾
	STATION 23	TSP-3	773	0.71	0.0414	82
	STATION 29	TSP-8	770	0.63	0.0429	85
	STATION 30	TSP-1	908	0.76	0.0385	77
10-Aug-06	STATION 1C	TSP-12	1126	0.8	0.0533	80
	STATION 14	TSP-11	1329	0.96	0.0346	UPWIND
	STATION 14	TSP-5	1302	0.94	0.0399	UPWIND
	STATION 22B	TSP-9	1365	1.03	0.0498	75
	STATION 23	TSP-3	1175	0.86	0.0451	68
	STATION 29	TSP-8	899	0.67	0.0356	53
	STATION 30	TSP-1	1132	0.82	0.0362	54

TABLE C1.5

**GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
11-Aug-06	STATION 1C	TSP-12	1405	1.01	0.0413	53
	STATION 14	TSP-11	1377	0.95	0.0552	UPWIND
	STATION 14	TSP-5	1392	0.96	0.0467	UPWIND
	STATION 22B	TSP-9	1456	1.01	0.0446	57
	STATION 23	TSP-3	1176	0.83	0.0595	76
	STATION 29	TSP-8	932	0.64	0.0515	66
	STATION 30	TSP-1	1178	0.82	0.034	44
12-Aug-06	STATION 1C	TSP-12	1800	1.02	0.0167	49
	STATION 14	TSP-11	1634	0.96	0.0386 J	UPWIND
	STATION 14	TSP-5	1699	1	0.0206 J	UPWIND
	STATION 22B	TSP-9	1690	0.98	0.0396	115 ⁽⁴⁾
	STATION 23	TSP-3	769	0.46	0.0598	174 ⁽²⁾
	STATION 29	TSP-8	1236	0.71	0.021	61
	STATION 30	TSP-1	1401	0.83	0.0457	133 ⁽⁸⁾
14-Aug-06	STATION 1C	TSP-12	1026	0.73	0.0507	63
	STATION 14	TSP-11	1184	0.84	0.0524	65
	STATION 14	TSP-5	1197	0.85	0.0618	77
	STATION 22B	TSP-9	1355	0.97	0.048	UPWIND
	STATION 23	TSP-3	1100	0.79	0.07	87
	STATION 29	TSP-8	1075	0.76	0.0558	70
	STATION 30	TSP-1	1175	0.84	0.0494	62
15-Aug-06	STATION 1C	TSP-12	1010	0.71	0.0307	17
	STATION 14	TSP-11	1378	0.96	0.0356 J	UPWIND
	STATION 14	TSP-5	1432	1	0.1068 J	UPWIND
	STATION 22B	TSP-9	1464	1.02	0.0546	31
	STATION 23	TSP-3	1139	0.81	0.0536	30
	STATION 29	TSP-8	1412	0.98	0.0191	11
	STATION 30	TSP-1	1255	0.88	0.0582	33
16-Aug-06	STATION 1C	TSP-12	874	0.65	0.0629	173 ⁽⁴⁾
	STATION 14	TSP-11	1363	0.96	0.0455 J	UPWIND
	STATION 14	TSP-5	1420	1	0.0218 J	UPWIND
	STATION 22B	TSP-9	1366	1.02	0.0483	133 ⁽¹⁾
	STATION 23	TSP-3	1142	0.82	0.042	115 ⁽²⁾
	STATION 29	TSP-8	1260	0.86	0.0317	87
	STATION 30	TSP-1	1251	0.89	0.1143	314 ⁽⁸⁾

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
17-Aug-06	STATION 1C	TSP-12	467	*	*	*
	STATION 14	TSP-11	1369	0.95	0.0628	87
	STATION 14	TSP-5	1340	0.93	0.0672	93
	STATION 22B	TSP-9	711	*	*	*
	STATION 23	TSP-3	1105	0.79	0.0561	77
	STATION 29	TSP-8	1221	0.85	0.0434	UPWIND
	STATION 30	TSP-1	1250	0.88	0.2256	311 ⁽⁸⁾
18-Aug-06	STATION 1C	TSP-12	435	*	*	*
	STATION 14	TSP-11	1334	0.95	0.0652	76
	STATION 14	TSP-5	1307	0.93	0.065	76
	STATION 22B	TSP-9	688	*	*	*
	STATION 23	TSP-3	940	0.67	0.0617	72
	STATION 29	TSP-8	1287	0.85	0.0513	UPWIND
	STATION 30	TSP-1	1211	0.87	0.1387	162 ⁽⁸⁾
19-Aug-06	STATION 1C	TSP-12	353	*	*	*
	STATION 14	TSP-11	1309	0.95	0.0481	UPWIND
	STATION 14	TSP-5	1309	0.95	0.0466	UPWIND
	STATION 22B	TSP-9	671	*	*	*
	STATION 23	TSP-3	1139	0.82	0.0781	100 ⁽²⁾
	STATION 29	TSP-8	1013	0.75	0.0731	94
	STATION 30	TSP-1	1137	0.84	0.0607	78
21-Aug-06	STATION 1C	TSP-12	756	0.5	0.0807	95
	STATION 14	TSP-11	1381	0.94	0.0587	UPWIND
	STATION 14	TSP-5	1428	0.97	0.0511	UPWIND
	STATION 22B	TSP-9	1536	1	0.0658	77
	STATION 23	TSP-3	1165	0.82	0.0609	71
	STATION 29	TSP-8	1045	0.77	0.0498	58
	STATION 30	TSP-1	1209	0.83	0.1803	211 ⁽⁸⁾
22-Aug-06	STATION 1C	TSP-12	817	0.58	0.0661	56
	STATION 14	TSP-11	1249	0.89	0.0633	UPWIND
	STATION 14	TSP-5	1304	0.93	0.0713	UPWIND
	STATION 22B	TSP-9	959	0.68	0.1397	117 ⁽⁴⁾
	STATION 23	TSP-3	1144	0.83	0.0778	65
	STATION 29	TSP-8	1179	0.83	0.056	47
	STATION 30	TSP-1	1226	0.89	0.4307	362 ⁽⁸⁾

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
23-Aug-06	STATION 1C	TSP-12	859	0.57	0.1234	120 ⁽⁴⁾
	STATION 14	TSP-11	1291	0.88	0.0883	UPWIND
	STATION 14	TSP-5	1366	0.93	0.0615	UPWIND
	STATION 22B	TSP-9	1088	0.76	0.1232	120 ⁽⁴⁾
	STATION 23	TSP-3	1077	0.74	0.0854	83
	STATION 29	TSP-8	965	0.67	0.1098	107 ⁽⁶⁾
	STATION 30	TSP-1	1222	0.85	0.563	548 ⁽⁸⁾
	24-Aug-06	STATION 1C	TSP-12	781	0.57	0.1293
STATION 14		TSP-11	1269	0.88	0.2025	127 ⁽⁹⁾
STATION 14		TSP-5	1312	0.91	0.1974	124 ⁽⁹⁾
STATION 22B		TSP-9	1064	0.73	0.1081	68
STATION 23		TSP-3	1182	0.86	0.1007	63
STATION 29		TSP-8	922	0.63	0.0954	UPWIND
STATION 30		TSP-1	1240	0.88	1.1726	736 ⁽⁸⁾
25-Aug-06		STATION 1C	TSP-12	710	0.5	0.1366
	STATION 14	TSP-11	1300	0.87	0.1362	86
	STATION 14	TSP-5	1359	0.91	0.1332	84
	STATION 22B	TSP-9	1163	0.81	0.08	50
	STATION 23	TSP-3	1192	0.81	0.0864	54
	STATION 29	TSP-8	840	0.58	0.0952	UPWIND
	STATION 30	TSP-1	1131	0.77	0.3165	199 ⁽⁸⁾
	26-Aug-06	STATION 1C	TSP-12	826	0.47	0.115
STATION 14		TSP-11	1475	0.88	0.0827	71
STATION 14		TSP-5	1526	0.91	0.0826	71
STATION 22B		TSP-9	1324	0.75	0.0702	61
STATION 23		TSP-3	1392	0.84	0.0589	51
STATION 29		TSP-8	1053	0.59	0.0693	UPWIND
STATION 30		TSP-1	1299	0.78	0.2071	179 ⁽⁸⁾
29-Aug-06		STATION 1C	TSP-12	898	0.64	0.0468
	STATION 14	TSP-11	1184	0.84	0.0312	40
	STATION 14	TSP-5	1228	0.87	0.0228	29
	STATION 22B	TSP-9	1129	0.8	0.0399	51
	STATION 23	TSP-3	1097	0.8	0.0693	89
	STATION 29	TSP-8	742	0.52	0.0404	52
	STATION 30	TSP-1	1065	0.76	0.0122	16

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
30-Aug-06	STATION 1C	TSP-12	867	0.6	0.0358	40
	STATION 14	TSP-11	1259	0.86	0.0477	UPWIND
	STATION 14	TSP-5	1317	0.9	0.0532	UPWIND
	STATION 22B	TSP-9	1179	0.8	0.0696	78
	STATION 23	TSP-3	1206	0.86	0.0531	60
	STATION 29	TSP-8	833	0.56	0.0348	39
	STATION 30	TSP-1	1147	0.79	0.0227	26
31-Aug-06	STATION 1C	TSP-12	879	0.58	0.0387	39
	STATION 14	TSP-11	1286	0.89	0.0638	UPWIND
	STATION 14	TSP-5	1328	0.92	0.0595	UPWIND
	STATION 22B	TSP-9	1217	0.8	0.0863	87
	STATION 23	TSP-3	1316	0.88	0.0608	61
	STATION 29	TSP-8	936	0.61	0.0449	45
	STATION 30	TSP-1	1118	0.79	0.0331	33
05-Sep-06	STATION 1C	TSP-12	696	0.49	0.0618	89
	STATION 14	TSP-11	1243	0.85	0.0418	UPWIND
	STATION 14	TSP-5	1257	0.86	0.0414	UPWIND
	STATION 22B	TSP-9	1119	0.78	0.092	133 ⁽⁴⁾
	STATION 23	TSP-3	1258	0.88	0.0612	89
	STATION 29	TSP-8	847	0.58	0.0626	91
	STATION 30	TSP-1	1146	0.8	0.0279	40
06-Sep-06	STATION 1C	TSP-12	714	0.49	0.049	76
	STATION 14	TSP-11	1317	0.91	0.0342	UPWIND
	STATION 14	TSP-5	1344	0.93	0.0387	UPWIND
	STATION 22B	TSP-9	1273	0.87	0.0542	84
	STATION 23	TSP-3	1067	0.75	0.0459	71
	STATION 29	TSP-8	801	0.54	0.0699	108 ⁽⁶⁾
	STATION 30	TSP-1	1162	0.8	0.031	48
07-Sep-06	STATION 1C	TSP-12	1183	0.84	0.0617	49
	STATION 14	TSP-11	1286	0.91	0.0505	40
	STATION 14	TSP-5	1285	0.91	0.0475	38
	STATION 22B	TSP-9	1094	0.77	0.0868	69
	STATION 23	TSP-3	1077	0.77	0.052	42
	STATION 29	TSP-8	813	0.57	0.075	UPWIND
	STATION 30	TSP-1	1123	0.8	0.0481	38

TABLE C1.5

**GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
08-Sep-06	STATION 1C	TSP-12	1183	0.84	0.0617	49
	STATION 14	TSP-5	1286	0.91	0.0505	40
	STATION 14	TSP-5	1285	0.91	0.0475	38
	STATION 22B	TSP-9	1094	0.77	0.0868	69
	STATION 23	TSP-3	1077	0.77	0.052	42
	STATION 29	TSP-8	813	0.57	0.075	UPWIND
	STATION 30	TSP-1	1123	0.8	0.0481	38
09-Sep-06	STATION 1C	TSP-12	1187	0.7	0.0556	56
	STATION 14	TSP-11	1642	0.97	0.0445	UPWIND
	STATION 14	TSP-5	1573	0.93	0.0598	UPWIND
	STATION 22B	TSP-9	1220	0.71	0.1	100 ⁽⁴⁾
	STATION 23	TSP-3	1599	0.96	0.0588	59
	STATION 29	TSP-8	1293	0.75	0.0688	69
	STATION 30	TSP-1	1422	0.85	0.0506	51
11-Sep-06	STATION 1C	TSP-12	931	0.65	0.043	72
	STATION 14	TSP-11	1072	0.76	0.0401	67
	STATION 14	TSP-5	1281	0.9	0.0367	61
	STATION 22B	TSP-9	995	0.7	0.0492	82
	STATION 23	TSP-3	1324	0.94	0.0393	66
	STATION 29	TSP-8	1060	0.74	0.0358	UPWIND
	STATION 30	TSP-1	1087	0.77	0.0386	65
14-Sep-06	STATION 1C	TSP-12	1035	0.73	0.029	55
	STATION 14	TSP-11	1201	0.83	0.0233	UPWIND
	STATION 14	TSP-5	1201	0.83	0.0316	UPWIND
	STATION 22B	TSP-9	1040	0.72	0.0481	91
	STATION 23	TSP-3	1315	0.92	0.0471	89
	STATION 29	TSP-8	1119	0.77	0.0268	51
	STATION 30	TSP-1	1136	0.8	0.0238	45
15-Sep-06	STATION 1C	TSP-12	1582	1	0.0265	41
	STATION 14	TSP-11	1292	0.88	0.0356	UPWIND
	STATION 14	TSP-5	1366	0.93	0.0388	UPWIND
	STATION 22B	TSP-9	1133	0.73	0.0565	87
	STATION 23	TSP-3	1431	0.99	0.037	57
	STATION 29	TSP-8	1250	0.8	0.0376	58
	STATION 30	TSP-1	1207	0.83	0.034	52

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
16-Sep-06	STATION 1C	TSP-12	1523	1	0.0361	59
	STATION 14	TSP-11	902	0.88	0.0421	69
	STATION 14	TSP-5	951	0.93	0.0389	64
	STATION 22B	TSP-9	1179	0.73	0.0492	80
	STATION 23	TSP-3	1517	0.96	0.0369	60
	STATION 29	TSP-8	1284	0.77	0.0366	UPWIND
	STATION 30	TSP-1	1293	0.82	0.0472	77
18-Sep-06	STATION 1C	TSP-12	856	0.62	0.0479	81
	STATION 14	TSP-11	1110	0.93	0.0162	27
	STATION 14	TSP-5	1364	0.94	0.0117	20
	STATION 22B	TSP-9	958	0.69	0.0355	UPWIND
	STATION 23	TSP-3	1096	0.93	0.0411	69
	STATION 29	TSP-8	1208	0.85	0.0116	20
	STATION 30	TSP-1	1140	0.77	0.014	24
19-Sep-06	STATION 1C	TSP-12	1394	0.98	0.0882	UPWIND
	STATION 14	TSP-11	1329	0.96	0.0105 J	7
	STATION 14	TSP-5	1315	0.95	0.0259 J	18
	STATION 22B	TSP-9	1063	0.74	0.079	54
	STATION 23	TSP-3	1300	0.9	0.0685	47
	STATION 29	TSP-8	1150	0.78	0.0435	30
	STATION 30	TSP-1	1184	0.85	0.0211	14
20-Sep-06	STATION 1C	TSP-12	1246	0.87	0.0257	UPWIND
	STATION 14	TSP-11	1384	0.95	0.0202	47
	STATION 14	TSP-5	1383	0.95	0.0145	34
	STATION 22B	TSP-9	1100	0.77	0.0582	136
	STATION 23	TSP-3	1144	0.8	0.0149	35
	STATION 29	TSP-8	1227	0.83	0.0171	40
	STATION 30	TSP-1	1288	0.89	0.0093	22
21-Sep-06	STATION 1C	TSP-12	1142	0.79	0.0403	94
	STATION 14	TSP-11	1413	0.99	0.0354	83
	STATION 14	TSP-11	1341	0.94	0.038	89
	STATION 22B	TSP-9	1108	0.79	0.097	93
	STATION 23	TSP-3	1055	0.75	0.0237	55
	STATION 29	TSP-8	1134	0.79	0.0256	UPWIND
	STATION 30	TSP-1	1181	0.84	0.0415	97

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
25-Sep-06	STATION 1C	TSP-12	1116	0.78	0.1057	144 ⁽⁴⁾
	STATION 14	TSP-11	1381	0.97	0.0268	37
	STATION 14	TSP-11	1266	0.89	0.034	46
	STATION 22B	TSP-9	1087	0.77	0.0736	100
	STATION 23	TSP-3	930	0.68	0.0301	41
	STATION 29	TSP-8	1117	0.78	0.0439	UPWIND
	STATION 30	TSP-1	1319	0.93	0.0258	35
	26-Sep-06	STATION 1C	TSP-12	1157	0.81	0.083
STATION 14		TSP-11	1386	0.98	0.0339	30
STATION 14		TSP-5	1276	0.9	0.0392	34
STATION 22B		TSP-9	1178	0.83	0.0688	UPWIND
STATION 23		TSP-3	964	0.69	0.0207	18
STATION 29		TSP-8	1172	0.82	0.0427	37
STATION 30		TSP-1	1298	0.92	0.0401	35
27-Sep-06		STATION 1C	TSP-12	1274	0.89	0.062
	STATION 14	TSP-11	1436	1	0.0404	26
	STATION 14	TSP-5	1334	0.93	0.048	31
	STATION 22B	TSP-9	1178	0.82	0.0942	UPWIND
	STATION 23	TSP-3	1033	0.73	0.0339	22
	STATION 29	TSP-8	1202	0.83	0.0632	40
	STATION 30	TSP-1	1286	0.91	0.0435	28
	28-Sep-06	STATION 1C	TSP-12	1451	0.97	0.0296
STATION 14		TSP-11	1516	1.01	0.0178	UPWIND
STATION 14		TSP-5	1364	0.91	0.0242	UPWIND
STATION 22B		TSP-9	1227	0.83	0.0823	204 ⁽⁴⁾
STATION 23		TSP-3	1047	0.7	0.0334	83
STATION 29		TSP-8	1189	0.81	0.0177	44
STATION 30		TSP-1	1399	0.94	0.0129	32
29-Sep-06		STATION 1C	TSP-12	959	0.68	0.0719
	STATION 14	TSP-11	1404	0.99	0.0264	33
	STATION 14	TSP-5	1318	0.93	0.0288	36
	STATION 22B	TSP-9	1199	0.85	0.0475	UPWIND
	STATION 23	TSP-3	918	0.66	0.0251	32
	STATION 29	TSP-8	1232	0.86	0.0325	41
	STATION 30	TSP-1	1323	0.94	0.0325	41

TABLE C1.5

**GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
30-Sep-06	STATION 1C	TSP-12	1614	1.02	0.0316	39
	STATION 14	TSP-11	1569	0.98	0.0312	39
	STATION 14	TSP-5	1539	0.96	0.0221	27
	STATION 22B	TSP-9	1345	0.83	0.0483	UPWIND
	STATION 23	TSP-3	1095	0.7	0.032	40
	STATION 29	TSP-8	1343	0.81	0.0454	56
	STATION 30	TSP-1	1486	0.93	0.033	41
02-Oct-06	STATION 1C	TSP-12	1380	0.91	0.058	51
	STATION 14	TSP-11	1193	0.85	0.0427	38
	STATION 14	TSP-5	1390	0.99	0.046	41
	STATION 22B	TSP-9	1183	0.79	0.0676	UPWIND
	STATION 23	TSP-3	1407	0.98	0.0327	29
	STATION 29	TSP-8	1206	0.8	0.0539	48
	STATION 30	TSP-1	1176	0.85	0.0655	58
04-Oct-06	STATION 1C	TSP-12	1257	0.89	0.0811	51
	STATION 14	TSP-11	1275	0.91	0.0541	34
	STATION 14	TSP-5	1344	0.96	0.0506	32
	STATION 22B	TSP-9	1167	0.82	0.096	UPWIND
	STATION 23	TSP-3	1144	0.82	0.0682	43
	STATION 29	TSP-8	1130	0.79	0.0912	57
	STATION 30	TSP-1	1179	0.84	0.056	35
05-Oct-06	STATION 1C	TSP-12	1238	0.9	0.0147	40
	STATION 14	TSP-11	1579	1.06	0.0266	UPWIND
	STATION 14	TSP-5	1561	1.05	0.0218	UPWIND
	STATION 22B	TSP-9	1238	0.85	0.0759	208 ⁽⁴⁾
	STATION 23	TSP-3	1451	1.01	0.0262	72
	STATION 29	TSP-8	1452	0.97	0.0145	40
	STATION 30	TSP-1	1405	0.96	0.0128	35
06-Oct-06	STATION 1C	TSP-12	1075	0.76	0.0372	72
	STATION 14	TSP-11	1499	1.1	0.02	UPWIND
	STATION 14	TSP-5	1361	1	0.0309	UPWIND
	STATION 22B	TSP-9	1837	1.33	0.0523	101 ⁽⁴⁾
	STATION 23	TSP-3	1328	0.98	0.0392	76
	STATION 29	TSP-8	1144	0.82	0.035	68
	STATION 30	TSP-1	1189	0.88	0.0219	42

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
07-Oct-06	STATION 1C	TSP-12	1377	0.78	0.0414	71
	STATION 14	TSP-11	1819	1.02	0.0231	UPWIND
	STATION 14	TSP-5	1748	1.01	0.0349	UPWIND
	STATION 22B	TSP-9	2279	1.31	0.0351	60
	STATION 23	TSP-3	1640	0.95	0.0402	69
	STATION 29	TSP-8	1483	0.84	0.0243	42
	STATION 30	TSP-1	1559	0.9	0.0276	47
09-Oct-06	STATION 1C	TSP-12	967	0.68	0.1148	142 ⁽⁴⁾
	STATION 14	TSP-11	1373	0.94	0.0393	UPWIND
	STATION 14	TSP-5	1405	0.96	0.0484	UPWIND
	STATION 22B	TSP-9	1777	1.23	0.0557	69
	STATION 23	TSP-3	1312	0.92	0.0488	60
	STATION 29	TSP-8	1200	0.82	0.04	49
	STATION 30	TSP-1	1122	0.78	0.0597	74
10-Oct-06	STATION 1C	TSP-12	1157	0.79	0.1288	123 ⁽⁴⁾
	STATION 14	TSP-11	1476	0.99	0.0562	54
	STATION 14	TSP-5	1490	1	0.0611	58
	STATION 22B	TSP-9	1901	1.28	0.0626	UPWIND
	STATION 23	TSP-3	1367	0.94	0.0649	53
	STATION 29	TSP-8	1221	0.81	0.0647	62
	STATION 30	TSP-1	1207	0.82	0.0953	91
11-Oct-06	STATION 1C	TSP-12	2573	1.82	0.0163	32
	STATION 14	TSP-11	1373	0.95	0.016	32
	STATION 14	TSP-5	1417	0.98	0.0289	57
	STATION 22B	TSP-9	1858	1.3	0.0301	UPWIND
	STATION 23	TSP-3	1447	0.99	0.0415	83
	STATION 29	TSP-8	1213	0.83	0.0528	105 ⁽⁶⁾
	STATION 30	TSP-1	1219	0.85	0.0328	65
12-Oct-06	STATION 1C	TSP-12	1100	0.79	0.0855	122 ⁽⁴⁾
	STATION 14	TSP-11	1114	0.76	0.0377	54
	STATION 14	TSP-5	1378	0.94	0.0377	54
	STATION 22B	TSP-9	1914	1.33	0.0418	UPWIND
	STATION 23	TSP-3	1420	1.02	0.0444	64
	STATION 29	TSP-8	1240	0.85	0.0597	86
	STATION 30	TSP-1	1281	0.88	0.0414	59

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
13-Oct-06	STATION 1C	TSP-12	1155	0.81	0.0788	106 ⁽⁴⁾
	STATION 14	TSP-11	1129	0.76	0.0523	70
	STATION 14	TSP-5	1381	0.93	0.0319	43
	STATION 22B	TSP-9	1967	1.34	0.0447	UPWIND
	STATION 23	TSP-3	1655	1.15	0.035	47
	STATION 29	TSP-8	1365	0.91	0.637	85
	STATION 30	TSP-1	1285	0.88	0.0475	64
14-Oct-06	STATION 1C	TSP-12	1000	0.69	0.085	99
	STATION 14	TSP-11	1066	0.77	0.0432	50
	STATION 14	TSP-5	1313	0.95	0.016	19
	STATION 22B	TSP-9	1223	0.85	0.0515	UPWIND
	STATION 23	TSP-3	1417	1.01	0.055	64
	STATION 30	TSP-1	1227	0.89	0.0367	43
16-Oct-06	STATION 1C	TSP-12	997	0.69	0.0221	95
	STATION 14	TSP-11	988	0.67	0.0152	65
	STATION 14	TSP-5	1327	0.9	0.0151	65
	STATION 22B	TSP-9	1190	0.81	0.0202	87
	STATION 23	TSP-3	1576	1.08	0.0197	85
	STATION 29	TSP-8	1083	0.81	0.0139	UPWIND
	STATION 30	TSP-1	1212	0.81	0.019	82
17-Oct-06	STATION 1C	TSP-12	1024	0.73	0.0283	35
	STATION 14	TSP-11	892	0.65	0.0314	39
	STATION 14	TSP-5	1276	0.93	0.0157	19
	STATION 22B	TSP-9	1179	0.82	0.0483	UPWIND
	STATION 23	TSP-3	1529	1.07	0.0281	35
	STATION 29	TSP-8	1178	0.82	0.0314	39
	STATION 30	TSP-1	1201	0.84	0.0241	30
18-Oct-06	STATION 1C	TSP-12	1442	0.99	0.0347	71
	STATION 14	TSP-11	999	0.68	0.043	88
	STATION 14	TSP-5	1325	0.9	0.0506	103 ⁽⁹⁾
	STATION 22B	TSP-9	1224	0.83	0.0539	110 ⁽⁴⁾
	STATION 23	TSP-3	1255	0.87	0.0478	98
	STATION 29	TSP-8	1299	0.88	0.0293	UPWIND
	STATION 30	TSP-1	1225	0.84	0.0245	50

TABLE C1.5

**GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
19-Oct-06	STATION 1C	TSP-12	1276	0.91	0.0133	UPWIND
	STATION 14	TSP-11	1081	0.76	0.013	59
	STATION 14	TSP-5	1306	0.92	0.0107	48
	STATION 22B	TSP-9	1234	0.87	0.0308	139 ⁽⁴⁾
	STATION 23	TSP-3	1257	0.9	0.0772	348 ⁽²⁾
	STATION 29	TSP-8	1164	0.82	0.0189	85
	STATION 30	TSP-1	1220	0.88	0.0066	30
20-Oct-06	STATION 1C	TSP-12	1523	1.03	0.0525	95
	STATION 14	TSP-11	1051	0.69	0.0533	96
	STATION 14	TSP-5	1449	0.95	0.0317	57
	STATION 22B	TSP-9	1260	0.86	0.0548	99
	STATION 23	TSP-3	1670	1.12	0.0347	63
	STATION 29	TSP-8	1268	0.84	0.0331	UPWIND
	STATION 30	TSP-1	1496	0.94	0.0154	28
21-Oct-06	STATION 1C	TSP-12	1648	1.02	0.0231	60
	STATION 14	TSP-11	1074	0.69	0.0419	109 ⁽⁹⁾
	STATION 14	TSP-5	1461	0.94	0.0226	59
	STATION 22B	TSP-9	1308	0.82	0.026	67
	STATION 23	TSP-3	1457	0.95	0.0213	55
	STATION 29	TSP-8	1300	0.83	0.0231	UPWIND
	STATION 30	TSP-1	1310	0.89	0.0153	10
23-Oct-06	STATION 1C	TSP-12	1347	0.94	0.0505	UPWIND
	STATION 14	TSP-11	1032	0.7	0.0281	33
	STATION 14	TSP-5	1358	0.92	0.0258	31
	STATION 22B	TSP-9	1944	1.34	0.0448	53
	STATION 23	TSP-3	1329	0.92	0.0813	96
	STATION 29	TSP-8	1293	0.88	0.0526	62
	STATION 30	TSP-1	1230	0.84	0.0244	29
24-Oct-06	STATION 1C	TSP-12	1504	1.07	0.0485	UPWIND
	STATION 14	TSP-11	1121	0.78	0.0473	58
	STATION 14	TSP-5	1322	0.92	0.0439	54
	STATION 22B	TSP-9	1963	1.37	0.0438	54
	STATION 23	TSP-3	1308	0.93	0.0497	61
	STATION 29	TSP-8	1294	0.9	0.0325	40
	STATION 30	TSP-1	1252	0.88	0.0184	23

TABLE C1.5

**GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
25-Oct-06	STATION 1C	TSP-12	1589	1.08	0.056	158 ⁽⁴⁾
	STATION 14	TSP-11	826	0.72	0.0593	167 ⁽⁹⁾
	STATION 14	TSP-5	1359	0.93	0.0589	166 ⁽⁹⁾
	STATION 22B	TSP-9	1979	1.32	0.0273	77
	STATION 23	TSP-3	1344	0.93	0.0417	118 ⁽²⁾
	STATION 29	TSP-8	1275	0.87	0.0212	UPWIND
	STATION 30	TSP-1	1297	0.91	0.037	105 ⁽⁷⁾
26-Oct-06	STATION 1C	TSP-12	1235	0.88	0.0162	46
	STATION 14	TSP-11	1029	0.71	0.0175	50
	STATION 14	TSP-5	1364	0.94	0.0177	34
	STATION 22B	TSP-9	1890	1.35	0.0111	32
	STATION 23	TSP-3	1293	0.92	0.0209	UPWIND
	STATION 29	TSP-8	1316	0.91	0.0129	37
	STATION 30	TSP-1	1157	0.79	0.0121	35
27-Oct-06	STATION 1C	TSP-12	1556	1.08	*	*
	STATION 22B	TSP-9	1870	1.29	0.0176	77
	STATION 23	TSP-3	1365	0.93	0.0418	183 ⁽²⁾
	STATION 29	TSP-8	1089	0.73	0.0064	28
	STATION 30	TSP-1	1166	0.77	0.0137	UPWIND
28-Oct-06	STATION 1C	TSP-12	981	0.66	0.0683	124 ⁽⁴⁾
	STATION 14	TSP-11	841	0.6	0.0309	56
	STATION 14	TSP-5	1301	0.93	0.0085	15
	STATION 22B	TSP-9	1211	0.82	0.033	UPWIND
	STATION 23	TSP-3	1309	0.91	0.0474	86
	STATION 29	TSP-8	1124	0.76	0.0383	69
	STATION 30	TSP-1	1119	0.81	0.0223	40
30-Oct-06	STATION 1C	TSP-12	794	0.56	0.1096	194 ⁽⁴⁾
	STATION 14	TSP-11	900	0.62	0.0833	148 ⁽⁹⁾
	STATION 14	TSP-5	1262	0.87	0.0507	90
	STATION 22B	TSP-9	1153	0.81	0.0338	UPWIND
	STATION 23	TSP-3	6	*	*	*
	STATION 29	TSP-8	1040	0.71	0.0654	116 ⁽⁶⁾
	STATION 30	TSP-1	860	0.71	0.1419	251 ⁽⁷⁾

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
31-Oct-06	STATION 1C	TSP-12	985	0.69	0.0538	122 ⁽⁴⁾
	STATION 14	TSP-11	870	0.73	0.0264	UPWIND
	STATION 14	TSP-5	1097	0.92	*	UPWIND
	STATION 22B	TSP-9	1227	0.85	0.0424	96
	STATION 23	TSP-3	15	*	*	*
	STATION 29	TSP-8	1137	0.77	0.0255	58
	STATION 30	TSP-1	0	*	*	*
01-Nov-06	STATION 1C	TSP-12	1048	0.72	0.0821	UPWIND
	STATION 14	TSP-11	1094	0.76	0.0201	15
	STATION 14	TSP-5	1351	0.94	0.0355	26
	STATION 22B	TSP-9	1214	0.84	0.0857	63
	STATION 23	TSP-3	4	*	*	*
	STATION 29	TSP-8	1196	0.82	0.0192	14
	STATION 30	TSP-1	0	*	*	*
02-Nov-06	STATION 1C	TSP-12	1089	0.77	0.0716	58
	STATION 14	TSP-11	1154	0.8	0.0485	40
	STATION 14	TSP-5	1410	0.98	0.0142	12
	STATION 22B	TSP-9	1210	0.85	0.0983	80
	STATION 23	TSP-3	11	*	*	*
	STATION 29	TSP-8	1129	0.78	0.0735	UPWIND
	STATION 30	TSP-1	0	*	*	*
03-Nov-06	STATION 1C	TSP-12	1072	0.73	0.1054	146 ⁽⁴⁾
	STATION 14	TSP-11	669	*	*	*
	STATION 14	TSP-5	868	*	*	*
	STATION 22B	TSP-9	1297	0.85	0.0933	130 ⁽⁴⁾
	STATION 23	TSP-3	33	*	*	*
	STATION 29	TSP-8	1299	0.84	0.0431	UPWIND
	STATION 30	TSP-1	0	*	*	*
04-Nov-06	STATION 1C	TSP-12	1196	0.73	0.0385	56
	STATION 14	TSP-11	1013	0.73	0.0602	88
	STATION 14	TSP-5	1536	0.99	0.0475	69
	STATION 22B	TSP-9	1347	0.84	0.046	67
	STATION 23	TSP-3	1468	1.09	0.0334	49
	STATION 29	TSP-8	1267	0.78	0.041	UPWIND
	STATION 30	TSP-1	0	*	*	*

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
06-Nov-06	STATION 1C	TSP-12	1034	0.76	0.028	35
	STATION 14	TSP-11	449	0.3	0.0735	92
	STATION 14	TSP-5	1301	0.87	0.0323	40
	STATION 22B	TSP-9	953	0.7	0.0325	40
	STATION 23	TSP-3	1296	0.97	0.027	34
	STATION 29	TSP-8	1122	0.82	0.0481	UPWIND
	STATION 30	TSP-1	1	*	*	*
07-Nov-06	STATION 1C	TSP-12	884	0.62	0.0192	79
	STATION 14	TSP-11	323	0.22	0.031	UPWIND
	STATION 14	TSP-5	1378	0.94	0.0145	UPWIND
	STATION 22B	TSP-9	1221	0.84	0.0156	64
	STATION 23	TSP-3	1434	0.99	0.0502	207 ⁽²⁾
	STATION 29	TSP-8	1267	0.86	0.0237	98
	STATION 30	TSP-1	30	*	*	*
08-Nov-06	STATION 1C	TSP-12	1007	0.71	0.0536	24
	STATION 14	TSP-11	327	0.24	0.1193	54
	STATION 14	TSP-5	1239	0.91	0.0484	22
	STATION 22B	TSP-9	1179	0.8	0.1332	UPWIND
	STATION 23	TSP-3	1414	0.98	0.0474	21
	STATION 29	TSP-8	1295	0.86	0.0595	27
	STATION 30	TSP-1	2	*	*	*
09-Nov-06	STATION 1C	TSP-12	877	0.61	0.2178	84
	STATION 14	TSP-11	321	0.21	0.2181	84
	STATION 14	TSP-5	1416	0.93	0.077	30
	STATION 22B	TSP-9	931	0.66	0.1547	UPWIND
	STATION 23	TSP-3	1366	0.98	0.0454	18
	STATION 29	TSP-8	1195	0.83	0.0728	28
	STATION 30	TSP-1	779	0.65	0.086	33
10-Nov-06	STATION 1C	TSP-12	1234	0.88	0.0632	65
	STATION 14	TSP-11	511	0.35	0.0294	30
	STATION 14	TSP-5	1340	0.92	0.0396	41
	STATION 22B	TSP-9	1104	0.77	0.058	UPWIND
	STATION 23	TSP-3	1188	0.84	0.021	22
	STATION 29	TSP-8	1253	0.86	0.0519	54
	STATION 30	TSP-1	1157	0.76	0.0458	47

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
11-Nov-06	STATION 1C	TSP-12	1068	0.68	0.0225	UPWIND
	STATION 14	TSP-11	430	0.27	0.0326	87
	STATION 14	TSP-5	1543	0.97	0.0175	47
	STATION 22B	TSP-9	1243	0.78	0.0306	81
	STATION 23	TSP-3	1471	0.94	0.07	186 ⁽²⁾
	STATION 29	TSP-8	1417	0.87	0.0141	38
	STATION 30	TSP-1	1408	0.87	0.0107	28
12-Nov-06	STATION 1C	TSP-12	1143	0.9	0.0131	36
	STATION 14	TSP-11	614	0.47	0.0212	59
	STATION 14	TSP-5	1343	1.03	0.0067	19
	STATION 22B	TSP-9	1029	0.79	0.0301	83
	STATION 23	TSP-3	1342	1.05	0.0216	UPWIND
	STATION 29	TSP-8	1532	1.15	0.0137	38
	STATION 30	TSP-1	949	0.84	0.0169	47
13-Nov-06	STATION 1C	TSP-12	922	0.64	0.0564	114 ⁽⁴⁾
	STATION 14	TSP-11	421	0.29	0.0926	187 ⁽⁹⁾
	STATION 14	TSP-5	1191	0.82	0.0285	57
	STATION 22B	TSP-9	1146	0.79	0.0672	135 ⁽⁴⁾
	STATION 23	TSP-3	1355	0.95	0.0266	54
	STATION 29	TSP-8	1380	0.93	0.0297	UPWIND
	STATION 30	TSP-1	1241	0.84	0.0363	73
14-Nov-06	STATION 1C	TSP-12	946	0.65	0.0349	71
	STATION 14	TSP-11	749	0.51	0.0401	82
	STATION 14	TSP-5	1396	0.95	0.0279	57
	STATION 22B	TSP-9	1141	0.79	0.028	57
	STATION 23	TSP-3	1327	0.92	0.0294	UPWIND
	STATION 29	TSP-8	1302	0.89	0.0177	36
	STATION 30	TSP-1	1193	0.81	0.031	63
15-Nov-06	STATION 1C	TSP-12	901	0.64	0.0078	23
	STATION 14	TSP-11	584	0.42	0.0325	UPWIND
	STATION 14	TSP-5	1305	0.94	0.0199	UPWIND
	STATION 22B	TSP-9	863	0.61	0.0394	119 ⁽⁴⁾
	STATION 23	TSP-3	1237	0.88	0.021	63
	STATION 29	TSP-8	1317	0.91	0.0068	20
	STATION 30	TSP-1	1013	0.7	0.0118	36

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
17-Nov-06	STATION 1C	TSP-12	1055	0.68	0.0626	65
	STATION 14	TSP-11	665	0.47	0.0391	40
	STATION 14	TSP-5	1198	0.85	0.0401	41
	STATION 22B	TSP-9	1223	0.79	0.0581	UPWIND
	STATION 23	TSP-3	1259	0.89	0.0381	39
	STATION 29	TSP-8	1389	0.92	0.0374	39
	STATION 30	TSP-1	694	0.47	0.0029	3
18-Nov-06	STATION 1C	TSP-12	1248	0.8	0.0304	UPWIND
	STATION 14	TSP-11	866	0.5	0.0381	75
	STATION 14	TSP-5	1663	0.96	0.0294	58
	STATION 22B	TSP-9	1324	0.84	0.0559	110 ⁽⁴⁾
	STATION 23	TSP-3	1364	0.81	0.1048	206 ⁽²⁾
	STATION 29	TSP-8	1615	0.96	0.0415	82
	STATION 30	TSP-1	1448	0.83	ND	0
19-Nov-06	STATION 1C	TSP-12	852	0.73	0.0129	UPWIND
	STATION 14	TSP-11	567	0.48	0.0053	25
	STATION 14	TSP-5	1144	0.97	0.0131	61
	STATION 22B	TSP-9	998	0.85	0.0331	154 ⁽⁴⁾
	STATION 23	TSP-3	1027	0.88	0.0721	335 ⁽²⁾
	STATION 29	TSP-8	1340	1.12	0.0067	31
	STATION 30	TSP-1	955	0.79	ND	0
20-Nov-06	STATION 1C	TSP-12	1116	0.74	0.0753	112 ⁽⁴⁾
	STATION 14	TSP-11	719	0.51	0.0445	UPWIND
	STATION 14	TSP-5	1420	1.01	0.0401	UPWIND
	STATION 22B	TSP-9	1517	1	0.0659	98
	STATION 23	TSP-3	1263	0.92	0.0428	64
	STATION 29	TSP-8	1806	1.17	0.0227	34
	STATION 30	TSP-1	1201	0.84	0.0183	27
21-Nov-06	STATION 1C	TSP-12	818	0.61	0.0795	203 ⁽⁴⁾
	STATION 14	TSP-11	827	0.56	0.029	74
	STATION 14	TSP-5	1492	1.01	0.0328	84
	STATION 22B	TSP-9	1358	1.02	0.0449	115 ⁽⁴⁾
	STATION 23	TSP-3	1368	0.92	0.0329	84
	STATION 29	TSP-8	1624	1.2	0.0234	UPWIND
	STATION 30	TSP-1	1261	0.84	0.023	59

TABLE C1.5

**GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
27-Nov-06	STATION 1C	TSP-12	1122	0.81	0.0588	40
	STATION 14	TSP-11	632	0.45	0.0601	41
	STATION 14	TSP-5	1291	0.92	0.0356	24
	STATION 22B	TSP-9	1201	0.86	0.0883	UPWIND
	STATION 23	TSP-3	1125	0.83	0.032	22
	STATION 29	TSP-8	1313	0.92	0.0579	39
	STATION 30	TSP-1	1180	0.82	0.0297	20
28-Nov-06	STATION 1C	TSP-12	867	0.61	0.0657	57
	STATION 14	TSP-11	610	0.43	0.0656	57
	STATION 14	TSP-5	1344	0.95	0.558	49
	STATION 22B	TSP-9	1281	0.9	0.0687	UPWIND
	STATION 23	TSP-3	1376	0.92	0.048	42
	STATION 29	TSP-8	1425	0.98	0.0604	53
	STATION 30	TSP-1	1162	0.8	0.0532	46
29-Nov-06	STATION 1C	TSP-12	1157	0.8	0.0441	73
	STATION 14	TSP-11	558	0.38	0.0394	65
	STATION 14	TSP-5	1336	0.91	0.0337	56
	STATION 22B	TSP-9	1679	1.16	0.0363	UPWIND
	STATION 23	TSP-3	1177	0.89	0.0263	43
	STATION 29	TSP-8	1441	0.97	0.0354	58
	STATION 30	TSP-1	1211	0.81	0.0124	20
30-Nov-06	STATION 1C	TSP-12	118	0.79	0.0009	3
	STATION 14	TSP-11	676	0.48	0.0074	UPWIND
	STATION 14	TSP-5	1352	0.96	0.017	UPWIND
	STATION 22B	TSP-9	1338	0.95	0.0254	89
	STATION 23	TSP-3	1272	0.94	0.0179	61
	STATION 29	TSP-8	1430	0.99	0.0063	22
	STATION 30	TSP-1	1179	0.82	0.0042	15
04-Dec-06	STATION 1C	TSP-12	1203	0.88	0.0466	72
	STATION 14	TSP-11	657	0.54	0.0244	38
	STATION 14	TSP-5	1156	0.95	0.032	49
	STATION 22B	TSP-9	1517	1.28	0.0389	UPWIND
	STATION 23	TSP-3	1146	0.96	0.0314	48
	STATION 29	TSP-8	1442	1.08	0.0437	67
	STATION 30	TSP-1	1043	0.84	0.0374	58

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
05-Dec-06	STATION 1C	TSP-12	1275	0.89	0.0588	106 ⁽⁴⁾
	STATION 14	TSP-11	794	0.55	0.0302	55
	STATION 14	TSP-5	1412	0.98	0.0432	78
	STATION 22B	TSP-9	1844	1.28	0.0331	UPWIND
	STATION 23	TSP-3	1407	0.98	0.0419	76
	STATION 29	TSP-8	1709	1.18	0.0878	159 ⁽⁶⁾
	STATION 30	TSP-1	1226	0.84	0.0065	12
06-Dec-06	STATION 1C	TSP-12	1218	0.85	0.0911	127 ⁽⁴⁾
	STATION 14	TSP-11	768	0.54	0.0221	31
	STATION 14	TSP-5	1395	0.98	0.0301	42
	STATION 22B	TSP-9	1669	1.16	0.0431	UPWIND
	STATION 23	TSP-3	1361	0.97	0.0149	58
	STATION 29	TSP-8	1548	1.06	0.0885	123 ⁽⁶⁾
	STATION 30	TSP-1	1731	1.19	0.0243	34
07-Dec-06	STATION 1C	TSP-12	1163	0.81	0.0258	UPWIND
	STATION 14	TSP-11	985	0.68	0.0142	33
	STATION 14	TSP-5	1462	1.01	0.0144	33
	STATION 22B	TSP-9	1903	1.32	0.031	72
	STATION 23	TSP-3	1370	1	0.0336	78
	STATION 29	TSP-8	1583	1.09	0.0815	189
	STATION 30	TSP-1	1844	1.25	0.0452	35
11-Dec-06	STATION 1C	TSP-12	1078	0.77	0.0566	73
	STATION 14	TSP-11	784	0.57	0.0408	52
	STATION 14	TSP-5	1291	0.94	0.0318	41
	STATION 22B	TSP-9	1687	1.2	0.0279	6
	STATION 23	TSP-3	1258	0.95	0.0374	48
	STATION 29	TSP-8	1481	1.04	0.0466	UPWIND
	STATION 30	TSP-1	1553	1.13	0.0322	41
13-Dec-06	STATION 1C	TSP-12	1576	1.1	0.0393	32
	STATION 14	TSP-11	1015	0.71	0.0217	18
	STATION 14	TSP-5	1358	0.95	0.0162	13
	STATION 22B	TSP-9	1053	0.73	0.0731	UPWIND
	STATION 23	TSP-3	8	*	*	*
	STATION 29	TSP-8	1800	1.22	0.0344	28
	STATION 30	TSP-1	1732	1.17	0.0242	20

TABLE C1.5

**GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
14-Dec-06	STATION 1C	TSP-12	962	0.67	0.0738	91
	STATION 14	TSP-11	769	0.52	0.026	32
	STATION 14	TSP-5	1418	0.96	0.0162	20
	STATION 22B	TSP-9	1768	1.21	0.0486	UPWIND
	STATION 23	TSP-3	1364	0.94	0.0279	34
	STATION 29	TSP-8	1576	1.05	0.0438	54
	STATION 30	TSP-1	1742	1.15	0.0218	27
15-Dec-06	STATION 1C	TSP-12	1138	0.8	0.1459	520 ⁽⁴⁾
	STATION 14	TSP-11	785	0.55	0.0191	68
	STATION 14	TSP-5	1355	0.95	0.0185	66
	STATION 22B	TSP-9	1560	1.1	0.0365	130 ⁽¹⁰⁾
	STATION 23	TSP-3	1355	0.96	0.0185	66
	STATION 29	TSP-8	1632	1.12	0.0263	94
	STATION 30	TSP-1	976	*	*	*
16-Dec-06	STATION 1C	TSP-12	1324	0.79	0.0793	202 ⁽⁴⁾
	STATION 14	TSP-11	1040	0.63	0.0154	39
	STATION 14	TSP-5	1583	96	0.0202	51
	STATION 22B	TSP-9	2082	1.25	0.0235	UPWIND
	STATION 23	TSP-3	1577	0.96	0.026	66
	STATION 29	TSP-8	1838	1.08	0.0511	130 ⁽⁶⁾
	STATION 30	TSP-1	0	*	*	*
18-Dec-06	STATION 1C	TSP-12	1084	0.81	0.1734	237 ⁽⁴⁾
	STATION 14	TSP-11	646	0.54	0.0557	UPWIND
	STATION 14	TSP-5	1207	1.01	0.0439	UPWIND
	STATION 22B	TSP-9	1454	1.06	0.0715	98
	STATION 23	TSP-3	1419	1.05	0.0451	62
	STATION 29	TSP-8	1510	1.08	0.0364	50
	STATION 30	TSP-1	1316	1.19	0.0182	25
19-Dec-06	STATION 1C	TSP-12	1176	0.82	0.1769	196 ⁽⁴⁾
	STATION 14	TSP-11	720	0.52	0.0708	UPWIND
	STATION 14	TSP-5	1423	1.03	0.0541	UPWIND
	STATION 22B	TSP-9	1693	1.19	0.0526	58
	STATION 23	TSP-3	1492	1.04	0.0442	49
	STATION 29	TSP-8	1598	1.1	0.0394	44
	STATION 30	TSP-1	1804	1.23	0.0227	25

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
20-Dec-06	STATION 1C	TSP-12	1232	0.83	0.043	99
	STATION 14	TSP-11	657	0.45	0.0472	109 ⁽⁹⁾
	STATION 14	TSP-5	1459	1	0.0336	77
	STATION 22B	TSP-9	1315	0.9	0.0221	51
	STATION 23	TSP-3	1462	1.01	0.026	UPWIND
	STATION 29	TSP-8	1649	1.11	0.0243	56
	STATION 30	TSP-1	1817	1.21	0.0143	33
02-Jan-07	STATION 1C	TSP-12	1202	0.85	0.0824	78
	STATION 14	TSP-11	657	0.48	0.0518	49
	STATION 14	TSP-5	1384	1.01	0.039	37
	STATION 22B	TSP-9	1074	0.76	0.0633	UPWIND
	STATION 23	TSP-3	1454	1.06	0.0309	29
	STATION 29	TSP-8	1385	0.97	0.031	29
	STATION 30	TSP-1	1350	0.96	0.0274	26
03-Jan-07	STATION 1C	TSP-12	1309	0.87	0.0733	44
	STATION 14	TSP-11	627	0.66	0.043	26
	STATION 14	TSP-5	1411	0.94	0.0336	20
	STATION 22B	TSP-9	0	0.64	0.0988	UPWIND
	STATION 23	TSP-3	1406	1.14	0.031	19
	STATION 29	TSP-8	1386	1.12	0.0381	23
	STATION 30	TSP-1	1015	0.75	0.0264	16
04-Jan-07	STATION 1C	TSP-12	1174	0.81	ND	**
	STATION 14	TSP-11	627	0.44	0.0207	**
	STATION 14	TSP-5	1411	0.99	0.0177	*
	STATION 22B	TSP-9	0	*	*	**
	STATION 23	TSP-3	1406	0.98	0.0199	**
	STATION 29	TSP-8	1386	0.94	0.0267	**
	STATION 30	TSP-1	1015	0.89	0.0148	**
05-Jan-07	STATION 1C	TSP-12	1202	0.83	0.0125	**
	STATION 14	TSP-11	661	0.45	0.0121	**
	STATION 14	TSP-5	1454	0.99	0.0117	**
	STATION 22B	TSP-9	0	*	*	*
	STATION 23	TSP-3	1360	0.94	0.0199	**
	STATION 29	TSP-8	1392	0.94	0.018	**
	STATION 30	TSP-1	1366	0.91	0.0124	**

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
06-Jan-07	STATION 1C	TSP-12	1370	0.83	0.715	UPWIND
	STATION 14	TSP-11	414	0.4	0.0169	14
	STATION 14	TSP-5	1043	1.01	0.0163	14
	STATION 22B	TSP-9	0	*	*	*
	STATION 23	TSP-3	1637	1.01	0.0305	26
	STATION 29	TSP-8	1555	0.93	0.0116	10
	STATION 30	TSP-1	1686	1.01	0.0249	21
08-Jan-07	STATION 1C	TSP-12	1240	0.95	0.1347	149 ⁽⁴⁾
	STATION 14	TSP-11	445	0.38	0.0225 J	27
	STATION 14	TSP-5	1169	1	0.006 J	7
	STATION 22B	TSP-9	759	0.71	0.054	UPWIND
	STATION 23	TSP-3	1136	0.98	0.029	32
	STATION 29	TSP-8	1245	0.93	0.0177	20
	STATION 30	TSP-1	1029	0.86	0.0224	25
09-Jan-07	STATION 1C	TSP-12	1344	0.97	0.0885	UPWIND
	STATION 14	TSP-11	547	0.37	0.0146 J	10
	STATION 14	TSP-5	1537	1.04	0.0059 J	4
	STATION 22B	TSP-9	513	*	*	*
	STATION 23	TSP-3	1471	1.01	0.0612	41
	STATION 29	TSP-8	1492	1.01	0.0282	19
	STATION 30	TSP-1	1696	1.12	0.0088	6
10-Jan-07	STATION 1C	TSP-12	1517	1.05	0.0679	71
	STATION 14	TSP-11	587	0.41	0.0375 J	39
	STATION 14	TSP-5	1502	1.05	0.0093 J	10
	STATION 22B	TSP-9	1103	0.77	0.0571	UPWIND
	STATION 23	TSP-3	1386	0.98	0.0303	32
	STATION 29	TSP-8	1488	1.01	0.041	43
	STATION 30	TSP-1	1480	1.01	0.0189	20
11-Jan-07	STATION 1C	TSP-12	1436	0.99	0.0689	56
	STATION 14	TSP-11	1366	0.95	0.0425	35
	STATION 14	TSP-5	1423	0.99	0.0281	23
	STATION 22B	TSP-9	1105	0.78	0.0733	UPWIND
	STATION 23	TSP-3	1389	0.98	0.0252	21
	STATION 29	TSP-8	1340	0.92	0.1575	129 ⁽⁶⁾
	STATION 30	TSP-1	1546	1.04	0.0336	27

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
12-Jan-07	STATION 1C	TSP-12	1611	1.03	0.0168	33
	STATION 14	TSP-11	1352	0.93	0.0207	40
	STATION 14	TSP-5	1378	0.95	0.0174	34
	STATION 22B	TSP-9	1170	0.77	0.0308	UPWIND
	STATION 23	TSP-3	1444	0.97	0.0235	46
	STATION 29	TSP-8	1471	0.95	0.0231	45
	STATION 30	TSP-1	1549	1.05	0.0161	31
17-Jan-07	STATION 1C	TSP-12	1093	0.79	0.0942	129 ⁽⁴⁾
	STATION 14	TSP-11	1250	0.88	0.0416	57
	STATION 14	TSP-5	1406	0.99	0.0363	50
	STATION 22B	TSP-9	1009	0.74	0.535	73
	STATION 23	TSP-3	1377	0.9	0.0211	29
	STATION 29	TSP-8	572	0.4	0.0437	UPWIND
18-Jan-07	STATION 1C	TSP-12	1425	0.99	0.2028	204 ⁽⁴⁾
	STATION 14	TSP-11	1420	0.98	0.204	20
	STATION 14	TSP-5	1463	1.01	0.287	29
	STATION 22B	TSP-9	1174	0.81	0.0596	UPWIND
	STATION 23	TSP-3	1343	0.96	0.035	35
	STATION 29	TSP-8	611	0.4	0.1129	113 ⁽⁶⁾
19-Jan-07	STATION 1C	TSP-12	1406	1	0.1579	187 ⁽⁴⁾
	STATION 14	TSP-11	1490	0.99	0.0215	25
	STATION 14	TSP-5	1549	1.03	0.0297	35
	STATION 22B	TSP-9	1166	0.84	0.0506	UPWIND
	STATION 23	TSP-3	1478	0.98	0.0271	32
	STATION 29	TSP-8	631	0.44	0.0634	75
20-Jan-07	STATION 1C	TSP-12	1713	1.05	0.0234	82
	STATION 14	TSP-11	1583	0.98	0.0379	133 ⁽⁹⁾
	STATION 14	TSP-5	1662	1.03	0.0229	80
	STATION 22B	TSP-9	1377	0.86	0.0182	64
	STATION 23	TSP-3	1524	0.95	0.0171	UPWIND
	STATION 29	TSP-8	677	0.41	0.0325	114 ⁽⁶⁾
22-Jan-07	STATION 1C	TSP-12	1424	0.99	0.1952	UPWIND
	STATION 14	TSP-11	1225	0.86	0.0286	9
	STATION 14	TSP-5	1338	0.94	0.0232	7
	STATION 22B	TSP-9	1056	0.74	0.1108	34
	STATION 23	TSP-3	1322	0.93	0.0477	15
	STATION 29	TSP-8	557	0.38	0.0772	24

TABLE C1.5

**GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
23-Jan-07	STATION 1C	TSP-12	1392	0.99	0.4411	303 ⁽⁴⁾
	STATION 14	TSP-11	1131	0.8	0.0407	28
	STATION 14	TSP-5	1356	0.96	0.0294	20
	STATION 22B	TSP-9	1136	0.81	0.0871	UPWIND
	STATION 23	TSP-3	1312	0.94	0.0366	25
	STATION 29	TSP-8	573	0.4	0.0925	64
24-Jan-07	STATION 1C	TSP-12	1525	1.05	0.1672	UPWIND
	STATION 14	TSP-11	1406	0.97	0.0306	11
	STATION 14	TSP-5	1390	0.96	0.0252	9
	STATION 22B	TSP-9	784	0.54	0.2283	82
	STATION 23	TSP-3	1474	1.02	0.0678	24
	STATION 29	TSP-8	653	0.44	0.0796	29
25-Jan-07	STATION 1C	TSP-12	1575	1.07	0.1035	UPWIND
	STATION 14	TSP-11	1414	0.98	U	*
	STATION 14	TSP-5	1543	1.07	U	*
	STATION 22B	TSP-9	1199	0.83	0.0817	47
	STATION 23	TSP-3	1364	0.95	U	*
	STATION 29	TSP-8	665	0.45	U	*
26-Jan-07	STATION 1C	TSP-12	1524	1.03	0.1076	99
	STATION 14	TSP-11	1427	0.96	0.0364	33
	STATION 14	TSP-5	1484	1	0.0283	26
	STATION 22B	TSP-9	1194	0.76	0.0653	UPWIND
	STATION 23	TSP-3	1375	0.93	0.0378	35
	STATION 29	TSP-8	635	0.41	0.1717	157 ⁽⁶⁾
27-Jan-07	STATION 1C	TSP-12	1485	0.96	0.0559	UPWIND
	STATION 14	TSP-11	1374	0.86	0.0087	9
	STATION 14	TSP-5	1630	1.02	0.0092	10
	STATION 22B	TSP-9	1281	0.83	0.0445	48
	STATION 23	TSP-3	1508	0.93	0.0398	43
	STATION 29	TSP-8	665	0.42	0.0722	77
29-Jan-07	STATION 1C	TSP-12	1424	1	0.0618	48
	STATION 14	TSP-11	1377	96	0.0458 J	36
	STATION 14	TSP-5	1433	1	0.0258 J	20
	STATION 22B	TSP-9	1039	0.73	0.077	UPWIND
	STATION 23	TSP-3	1316	0.93	0.0729	57
	STATION 29	TSP-8	510	0.36	0.3922	305 ⁽⁶⁾

TABLE C1.5

GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
30-Jan-07	STATION 1C	TSP-12	1705	1.09	0.0616	UPWIND
	STATION 14	TSP-11	1403	0.99	0.0306	30
	STATION 14	TSP-5	1489	1.05	0.0269	26
	STATION 22B	TSP-9	1215	0.82	0.0642	62
	STATION 23	TSP-3	1423	0.98	0.0021	2
	STATION 29	TSP-8	776	0.52	0.0902	88
31-Jan-07	STATION 1C	TSP-12	1058	0.89	0.0454	61
	STATION 14	TSP-11	1911	1.31	0.0314 J	42
	STATION 14	TSP-5	1166	0.8	0.0583 J	78
	STATION 22B	TSP-9	1094	0.78	0.0448	UPWIND
	STATION 29	TSP-8	594	0.42	0.202	270 ⁽⁶⁾
01-Feb-07	STATION 1C	TSP-12	1289	0.84	0.0264	58
	STATION 14	TSP-11	1824	1.3	0.0104 J	23
	STATION 14	TSP-5	1093	0.78	0.032 J	70
	STATION 22B	TSP-9	1723	1.21	0.0273	UPWIND
	STATION 29	TSP-8	628	0.44	0.051	112 ⁽⁶⁾
02-Feb-07	STATION 1C	TSP-12	1173	0.86	0.1338	132 ⁽⁴⁾
	STATION 14	TSP-11	1883	1.34	0.0154 J	15
	STATION 14	TSP-5	1122	0.8	0.0267 J	26
	STATION 22B	TSP-9	1206	0.88	0.0605	UPWIND
	STATION 29	TSP-8	1147	0.82	0.0253	25
03-Feb-07	STATION 1C	TSP-12	1517	0.91	0.0297	UPWIND
	STATION 14	TSP-11	2107	1.21	0.0104	21
	STATION 14	TSP-5	1409	0.81	0.0163	33
	STATION 22B	TSP-9	1553	0.92	0.0303	61
	STATION 29	TSP-8	1342	0.78	0.0656	132 ⁽⁶⁾
08-Feb-07	STATION 1C	TSP-12	1046	0.74	0.0784	UPWIND
	STATION 14	TSP-11	1546	1.09	0.0045	3
	STATION 14	TSP-5	1091	0.77	0.0073	6
	STATION 22B	TSP-9	1323	0.93	0.0907	69
	STATION 23	TSP-3	20	*	*	*
	STATION 29	TSP-8	1094	0.76	0.0402	31
09-Feb-07	STATION 1C	TSP-12	1371	0.89	0.0766	UPWIND
	STATION 14	TSP-11	2027	1.33	0.0163	13
	STATION 14	TSP-5	1233	0.81	0.0138	11
	STATION 22B	TSP-9	1346	0.87	0.0632	49
	STATION 23	TSP-3	5	*	*	*
	STATION 29	TSP-8	1244	0.78	0.0394	31

TABLE C1.5

**GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
12-Feb-07	STATION 1C	TSP-12	1095	0.75	0.0219	27
	STATION 14	TSP-11	1699	1.24	0.0377	UPWIND
	STATION 14	TSP-5	999	0.73	0.048	UPWIND
	STATION 22B	TSP-9	698	*	*	*
	STATION 23	TSP-3	6	*	*	*
	STATION 29	TSP-8	1138	0.77	0.029	36
15-Feb-07	STATION 1C	TSP-12	1260	0.81	0.01667	UPWIND
	STATION 14	TSP-11	1890	1.29	0.0095 J	3
	STATION 14	TSP-5	1171	0.8	0.0162 J	6
	STATION 22B	TSP-9	1366	0.88	0.0937	34
	STATION 23	TSP-3	1330	0.88	0.0474	17
	STATION 29	TSP-8	1245	0.79	0.0273	10
16-Feb-07	STATION 1C	TSP-12	1241	0.87	0.1039	136 ⁽⁴⁾
	STATION 14	TSP-11	2021	1.31	0.0104 J	14
	STATION 14	TSP-5	1234	0.8	0.0324 J	43
	STATION 22B	TSP-9	1273	0.91	0.0456	UPWIND
	STATION 23	TSP-3	1210	0.91	0.0182	24
	STATION 29	TSP-8	1234	0.82	0.0243	32
19-Feb-07	STATION 1C	TSP-12	1092	0.77	0.0989	91
	STATION 14	TSP-11	1148	0.82	0.0375	34
	STATION 14	TSP-5	1204	0.86	0.0291	27
	STATION 22B	TSP-9	1075	0.77	0.0651	UPWIND
	STATION 23	TSP-3	0	*	*	*
	STATION 29	TSP-8	990	0.69	0.0586	54
20-Feb-07	STATION 1C	TSP-12	1235	0.87	0.0065	12
	STATION 14	TSP-11	1194	0.85	0.0243	UPWIND
	STATION 14	TSP-5	1208	0.86	0.0323	UPWIND
	STATION 23	TSP-3	0	*	*	*
	STATION 29	TSP-8	1107	0.77	0.0316	59
21-Feb-07	STATION 1C	TSP-12	1254	0.88	0.0742	37
	STATION 14	TSP-11	1287	0.9	0.0319	16
	STATION 14	TSP-5	1243	0.87	0.0354	17
	STATION 22B	TSP-9	1172	0.83	0.1212	UPWIND
	STATION 29	TSP-8	1033	0.72	0.0629	31
22-Feb-07	STATION 1C	TSP-12	1195	0.83	0.1172	UPWIND
	STATION 14	TSP-11	1146	0.8	0.0201	10
	STATION 14	TSP-5	1290	0.9	0.0279	14
	STATION 22B	TSP-9	1266	0.88	0.1343	67
	STATION 29	TSP-8	1074	0.74	0.0503	26

TABLE C1.5

**GROUP 9B TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
23-Feb-07	STATION 1C	TSP-12	1192	0.82	0.0126	15
	STATION 14	TSP-11	954	0.64	0.0849 J	UPWIND
	STATION 14	TSP-5	1355	0.91	0.0177 J	UPWIND
	STATION 22B	TSP-9	1290	0.89	0.0302	35
	STATION 29	TSP-8	1205	0.82	0.0141	16

Notes:

- * Results not reported due to machine malfunction.
- ** UPWIND machine did not run, therefore percent (%) allowable not calculable.
- J The associated value is an estimated quantity.
- ND Not detected.
- U Analyte not present at or above the associated value.
- (1) Exceedance primarily attributed to > 50 ppm material placement into the vault and East Plant excavation.
- (2) No work conducted in the vicinity of the air monitoring station.
- (3) Exceedance primarily attributed to truck traffic along haul roads.
- (4) Exceedance primarily attributed to truck traffic along public roads and plant traffic in parking lot.
- (5) Exceedance primarily attributed to excavation and/or stockpiling activities in former Zipp parking lot.
- (6) Exceedance primarily attributed to project along the WTP haul road and excavation activities in Excavation Plan II.
- (7) Exceedance primarily attributed to > 50 ppm soil excavation in Excavation Plan I.
- (8) Exceedance primarily attributed to sediment pond construction.
- (9) Exceedance primarily attributed to contractor activities in the laydown area.
- (10) Exceedance primarily attributed to excavation activities for 48-inch sewer installation.

TABLE C1.6

**GROUP 11 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
3-Feb-06	STATION 1B	TSP-12	991	0.85	0.2324	226 ⁽¹⁾
	STATION 22A	TSP-9	1113	0.98	0.0657	64
6-Feb-06	STATION 1B	TSP-12	1296	0.98	0.2555	307 ⁽¹⁾
	STATION 22A	TSP-9	1420	1.11	0.0511	61
7-Feb-06	STATION 1B	TSP-12	1416	0.95	0.4869	449 ⁽¹⁾
	STATION 22A	TSP-9	249	*	*	*
8-Feb-06	STATION 1B	TSP-12	1422	0.91	0.4157	**
	STATION 22A	TSP-9	1697	1.11	0.082	**
10-Feb-06	STATION 1B	TSP-12	1429	0.9	0.7528	635 ⁽¹⁾
	STATION 22A	TSP-9	1372	0.88	0.0916	77
23-Feb-06	STATION 1B	TSP-12	1170	0.81	0.2163	22
	STATION 22A	TSP-9	1159	0.82	0.0893	9

Notes:

- * Result not reported due to machine malfunction.
- ** UPWIND machine did not run, therefore, percent allowable not calculabe.
- (1) Exceedance attributed to project and Zipp traffic at the entrance to the Zipp parking lot. Road wetting was reduced at the request of Lawrence County.

TABLE C1.7

**GROUP 14 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
29-Jan-07	STATION 22B	TSP-9	1039	0.73	0.077	12
	STATION 29	TSP-8	510	0.36	0.3922	UPWIND
	STATION 34	TSP-16	937	0.81	0.683	10
	STATION 35	TSP-16	1067	0.8	0.0609	9
30-Jan-07	STATION 22B	TSP-9	1215	0.82	0.0642	UPWIND
	STATION 29	TSP-8	776	0.52	0.0902	84
	STATION 34	TSP-16	1228	0.83	0.066	62
	STATION 35	TSP-16	1332	0.9	0.0526	49
31-Jan-07	STATION 22B	TSP-9	1094	0.78	0.0448	59
	STATION 29	TSP-8	594	0.42	0.202	265
	STATION 34	TSP-16	1162	0.83	0.0456	UPWIND
	STATION 35	TSP-16	1357	0.97	0.0251	33
01-Feb-07	STATION 22B	TSP-9	1723	1.21	0.0273	56
	STATION 29	TSP-8	628	0.44	0.051	105
	STATION 34	TSP-16	1069	0.76	0.029	UPWIND
	STATION 35	TSP-16	1380	0.98	0.0167	35
02-Feb-07	STATION 22B	TSP-9	1206	0.88	0.0605	79
	STATION 29	TSP-8	1147	0.82	0.0253	33
	STATION 34	TSP-16	1042	0.75	0.0461	UPWIND
	STATION 35	TSP-16	1384	1	0.0246	32
08-Feb-07	STATION 22B	TSP-9	1323	0.93	0.0907	UPWIND
	STATION 29	TSP-8	1094	0.76	0.0402	27
	STATION 34	TSP-16	1205	0.84	0.1635	108
	STATION 35	TSP-16	1360	0.97	0.0243	16
09-Feb-07	STATION 22B	TSP-9	1346	0.87	0.0632	UPWIND
	STATION 29	TSP-8	1244	0.78	0.0394	37
	STATION 34	TSP-16	1403	0.92	0.0627	59
	STATION 35	TSP-16	1424	0.96	0.033	31
10-Feb-07	STATION 22B	TSP-9	1481	0.93	0.0344	65
	STATION 29	TSP-8	1323	0.91	0.0317	UPWIND
	STATION 34	TSP-16	1481	0.93	0.0378	71
	STATION 35	TSP-16	1527	0.96	0.0242	46
12-Feb-07	STATION 22B	TSP-9	698	*	*	*
	STATION 29	TSP-8	1138	0.77	0.029	UPWIND
	STATION 34	TSP-16	1131	0.78	0.0637	133 ⁽¹⁾
	STATION 35	TSP-16	1208	0.84	0.0281	59

TABLE C1.7

**GROUP 14 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
15-Feb-07	STATION 22B	TSP-9	1366	0.88	0.0937	UPWIND
	STATION 29	TSP-8	1245	0.79	0.0273	17
	STATION 34	TSP-16	1486	0.98	0.033	21
	STATION 35	TSP-16	1819	1.2	0.0165	11
16-Feb-07	STATION 22B	TSP-9	1273	0.91	0.0456	76
	STATION 29	TSP-8	1234	0.82	0.0243	41
	STATION 34	TSP-16	1309	0.88	0.0359	UPWIND
	STATION 35	TSP-16	1214	0.81	0.0321	55
17-Feb-07	STATION 22B	TSP-9	1218	0.84	0.0255	UPWIND
	STATION 29	TSP-8	1115	0.76	0.0341	80
	STATION 34	TSP-16	1187	0.82	0.0185	43
	STATION 35	TSP-16	1386	0.96	0.0137	32
19-Feb-07	STATION 22B	TSP-9	1075	0.77	0.0651	105
	STATION 29	TSP-8	990	0.69	0.0586	95
	STATION 34	TSP-16	808	0.77	0.0582	UPWIND
	STATION 35	TSP-16	1172	0.83	0.0324	52
20-Feb-07	STATION 22B	TSP-9				
	STATION 29	TSP-8	1107	0.77	0.0316	UPWIND
	STATION 34	TSP-16	1209	0.86	405	76
	STATION 35	TSP-16	1219	0.86	0.0172	32
21-Feb-07	STATION 22B	TSP-9	1172	0.83	0.1212	UPWIND
	STATION 29	TSP-8	1033	0.72	0.0629	31
	STATION 34	TSP-16	1378	0.97	0.0247	12
	STATION 35	TSP-16	1423	1	0.0379	19
22-Feb-07	STATION 22B	TSP-9	1266	0.88	0.1343	UPWIND
	STATION 29	TSP-8	1074	0.74	0.0503	22
	STATION 34	TSP-16	1642	1.13	0.0438	20
	STATION 35	TSP-16	1205	0.84	0.0357	16
27-Feb-07	STATION 22B	TSP-9	1369	0.93	0.0745	175
	STATION 29	TSP-8	1130	0.74	ND (0.009)	UPWIND
	STATION 34	TSP-16	1336	0.91	0.0704	165 ⁽¹⁾
	STATION 35	TSP-16	1280	0.87	0.0344	81
28-Feb-07	STATION 22B	TSP-9	1247	0.88	0.012	28
	STATION 29	TSP-8	995	0.7	ND (0.001)	UPWIND
	STATION 34	TSP-16	1044	0.73	0.045	106 ⁽¹⁾
	STATION 35	TSP-16	1203	0.84	0.0175	41

TABLE C1.7

**GROUP 14 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
02-Mar-07	STATION 22B	TSP-9	1113	0.79	ND (0.0009)	0
	STATION 29	TSP-8	0	*	*	*
	STATION 34	TSP-16	1427	1.02	0.0098	UPWIND
	STATION 35	TSP-16	1078	0.77	0.0575	351 ⁽¹⁾
03-Mar-07	STATION 34	TSP-16	1110	0.82	0.0144	UPWIND
	STATION 35	TSP-16	1388	1.01	0.013	54
04-Mar-07	STATION 34	TSP-16	1399	0.8	0.0322	UPWIND
	STATION 35	TSP-16	1348	0.83	0.0549	102 ⁽¹⁾
05-Mar-07	STATION 22B	TSP-9	1195	0.86	0.0577	39
	STATION 29	TSP-8	1036	0.75	0.0985	67
	STATION 34	TSP-16	1029	0.8	0.0709	48
	STATION 35	TSP-16	992	0.72	0.0877	UPWIND
06-Mar-07	STATION 22B	TSP-9	1409	0.97	0.1121	96
	STATION 29	TSP-8	1132	0.8	0.0698	UPWIND
	STATION 34	TSP-16	1103	0.8	0.0707	61
	STATION 35	TSP-16	1258	0.89	0.0326	28
07-Mar-07	STATION 22B	TSP-9	1219	0.91	0.0558	33
	STATION 29	TSP-8	1017	0.74	0.1003	UPWIND
	STATION 34	TSP-16	1142	0.79	0.1427	85
	STATION 35	TSP-16	1003	0.71	0.1037	62
08-Mar-07	STATION 22B	TSP-9	1419	0.94	0.0817	61
	STATION 29	TSP-8	1077	0.73	0.0808	UPWIND
	STATION 34	TSP-16	1204	0.81	0.064	47
	STATION 35	TSP-16	1132	0.76	0.0133	10
12-Mar-07	STATION 22B	TSP-9	1302	0.88	0.1275	35
	STATION 29	TSP-8	1133	0.75	0.2154	UPWIND
	STATION 34	TSP-16	1532	0.99	0.0698	19
	STATION 35	TSP-16	330	0.22	ND(0.003)	NR
13-Mar-07	STATION 22B	TSP-9	1292	0.9	0.106	119 ⁽¹⁾
	STATION 29	TSP-8	898	0.66	0.1993	223 ⁽¹⁾
	STATION 34	TSP-16	1308	0.95	0.0535	UPWIND
	STATION 35	TSP-16	781	0.57	0.1601	179 ⁽¹⁾
14-Mar-07	STATION 22B	TSP-9	1213	0.89	0.0511	77
	STATION 29	TSP-8	944	0.66	0.0922	139 ⁽¹⁾
	STATION 34	TSP-16	1414	0.99	0.0396	UPWIND
	STATION 35	TSP-16	809	0.56	0.0569	86

TABLE C1.7

**GROUP 14 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
15-Mar-07	STATION 22B	TSP-9	1380	0.94	0.0225	34
	STATION 29	TSP-8	NR	NR	NR	NR
	STATION 34	TSP-16	1435	1.02	0.023	35
	STATION 35	TSP-16	994	0.69	0.0362	55
16-Mar-07	STATION 22B	TSP-9	598	*	*	*
	STATION 29	TSP-8	1063	0.77	0.0508	UPWIND
	STATION 34	TSP-16	1442	1.03	0.0409	48
	STATION 35	TSP-16	925	0.66	0.0541	64
17-Mar-07	STATION 29	TSP-8	1343	0.8	0.0663	UPWIND
	STATION 34	TSP-16	1777	1.04	0.0242	22
	STATION 35	TSP-16	1095	0.64	0.0329	30
19-Mar-07	STATION 22B	TSP-9	1315	0.91	0.0304	27
	STATION 29	TSP-8	1098	0.76	0.0528	47
	STATION 34	TSP-16	1592	0.98	0.0666	UPWIND
	STATION 35	TSP-16	913	0.62	0.0416	37
20-Mar-07	STATION 22B	TSP-9	1301	0.92	ND(0.0008)	0
	STATION 29	TSP-8	1074	0.76	0.054	UPWIND
	STATION 34	TSP-16	1052	0.83	0.0437	48
	STATION 35	TSP-16	875	0.61	0.0743	82
21-Mar-07	STATION 22B	TSP-9	2	*	*	*
	STATION 29	TSP-8	1037	0.73	0.2334	148 ⁽¹⁾
	STATION 34	TSP-16	1072	0.76	0.0942	UPWIND
	STATION 35	TSP-16	871	0.61	0.1515	96
29-Mar-07	STATION 22B	TSP-9	2	*	*	*
	STATION 29	TSP-8	2421	1.7	0.0231	UPWIND
	STATION 34	TSP-16	2004	1.39	0.0734	190 ⁽¹⁾
	STATION 35	TSP-16	877	0.6	0.0547	142 ⁽¹⁾
30-Mar-07	STATION 22B	TSP-9	1	*	*	*
	STATION 29	TSP-8	1110	0.77	0.0405	23
	STATION 34	TSP-16	1154	0.78	0.1049	UPWIND
	STATION 35	TSP-16	868	0.59	0.053	30

Notes:

Air monitoring at Group 14 conducted during installation of 48-inch sewer line for Plant Operations.

* Results not reported due to machine malfunction.

ND Not detected.

⁽¹⁾ Exceedance may be due to particles in the air from the GM water treatment plant Lime Silo.

TABLE C1.8

GROUP 16 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
15-May-08	STATION 22C	TSP-9	1139	0.84	0.0211	**
	STATION 29B	TSP-6	58	*	*	*
	STATION 40	TSP-5	1371	0.95	0.0168	**
	STATION 41	TSP-11	1256	0.87	0.0255	**
18-May-08	STATION 22C	TSP-9	1375	0.89	0.0836	UPWIND
	STATION 40	TSP-5	1529	0.98	0.0373	27
	STATION 41	TSP-11	1477	0.94	0.0548	39
	STATION 42	TSP-8	1110	0.86	0.0505	36
19-May-08	STATION 29B	TSP-6	364	*	*	*
20-May-08	STATION 22C	TSP-9	1138	0.76	0.1722	UPWIND
	STATION 29B	TSP-6	634	*	*	*
	STATION 40	TSP-5	1311	0.88	0.042	15
	STATION 41	TSP-11	1302	0.86	0.0845	29
	STATION 42	TSP-8	645	0.68	0.062	22
21-May-08	STATION 22C	TSP-9	1302	0.92	0.2373	UPWIND
	STATION 29B	TSP-6	557	*	*	*
	STATION 40	TSP-5	1377	0.98	0.0392	10
	STATION 41	TSP-11	1299	0.9	0.1139	29
	STATION 42	TSP-8	1028	0.79	0.0457	12
22-May-08	STATION 22C	TSP-9	1462	0.89	0.2127	UPWIND
	STATION 29B	TSP-6	725	*	*	*
	STATION 40	TSP-5	1576	0.97	0.0438	12
	STATION 41	TSP-11	1512	0.92	0.1396	39
	STATION 42	TSP-8	1063	0.76	0.0574	16
27-May-08	STATION 22C	TSP-9	1271	0.87	0.0425	58
	STATION 29B	TSP-6	866	0.83	0.0439	UPWIND
	STATION 40	TSP-5	1359	0.94	0.0361	49
	STATION 41	TSP-11	1313	0.9	0.0533	73
	STATION 42	TSP-8	1004	0.7	0.0378	52
28-May-08	STATION 22C	TSP-9	952	0.66	0.1397	126 ⁽¹⁾
	STATION 29B	TSP-6	1232	0.88	0.0666	UPWIND
	STATION 40	TSP-5	1415	0.99	0.0261	23
	STATION 41	TSP-11	1404	0.96	0.0456	41
	STATION 42	TSP-8	1233	0.83	0.0219	20

TABLE C1.8

**GROUP 16 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
29-May-08	STATION 22C	TSP-9	216	*	*	*
	STATION 29B	TSP-6	1198	0.88	0.1194	154 ⁽¹⁾
	STATION 40	TSP-5	1354	0.97	0.0465	UPWIND
	STATION 41	TSP-11	6	*	*	*
	STATION 42	TSP-8	1108	0.77	0.0388	50
30-May-08	STATION 22C	TSP-9	1315	0.82	0.0654	84
	STATION 29B	TSP-6	1337	0.83	0.2139	275 ⁽¹⁾
	STATION 40	TSP-5	1534	0.95	0.06	77
	STATION 41	TSP-11	0	*	*	*
	STATION 42	TSP-8	1087	0.69	0.0773	100 ⁽¹⁾
2-Jun-08	STATION 22C	TSP-9	1192	0.78	0.1158	138 ⁽¹⁾
	STATION 29B	TSP-6	1180	0.79	0.1492	178 ⁽¹⁾
	STATION 40	TSP-5	1314	0.87	0.0502	UPWIND
	STATION 41	TSP-11	14	*	*	*
	STATION 42	TSP-8	1066	0.72	0.0441	53
5-Jun-08	STATION 22C	TSP-9	506	*	*	*
	STATION 29B	TSP-6	277	*	*	*
	STATION 40	TSP-5	1418	0.91	0.0564	UPWIND
	STATION 41	TSP-11	1349	0.85	0.0148	16
	STATION 42	TSP-8	1142	0.73	0.0438	47
18-Aug-08	STATION 22C	TSP-9	NR	NR	NR	NR
	STATION 29B	TSP-6	NR	NR	NR	NR
	STATION 40	TSP-5	1483	1.05	0.0128	**
	STATION 41	TSP-11	NR	NR	NR	NR
	STATION 42	TSP-8	1024	0.78	0.0361	**
19-Aug-08	STATION 22C	TSP-9	1078	0.83	0.1503	186 ⁽²⁾
	STATION 29B	TSP-6	1179	0.82	0.0483	UPWIND
	STATION 40	TSP-5	1275	0.96	0.0376	47
	STATION 41	TSP-11	NR	NR	NR	NR
	STATION 42	TSP-8	696	0.54	0.0259	32
20-Aug-08	STATION 22C	TSP-9	1202	0.85	0.1556	96
	STATION 29B	TSP-6	1106	0.79	0.0651	40
	STATION 40	TSP-5	1372	0.96	0.0583	36
	STATION 41	TSP-11	NR	NR	NR	NR
	STATION 42	TSP-8	493	0.35	0.0974	UPWIND

TABLE C1.8

GROUP 16 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
21-Aug-08	STATION 22C	TSP-9	1146	0.83	0.1143	96
	STATION 29B	TSP-6	1085	0.79	0.082	69
	STATION 40	TSP-5	1350	0.96	0.0711	UPWIND
	STATION 41	TSP-11	NR	NR	NR	NR
	STATION 42	TSP-8	508	0.37	0.1122	94
22-Aug-08	STATION 22C	TSP-9	1245	0.83	0.1189	124 ⁽²⁾
	STATION 29B	TSP-6	1069	0.79	0.1001	105 ⁽²⁾
	STATION 40	TSP-5	1519	0.96	0.0573	UPWIND
	STATION 41	TSP-11	1440	0.94	0.0875	91
	STATION 42	TSP-8	479	0.32	0.1628	170 ⁽²⁾
23-Aug-08	STATION 22C	TSP-9	1356	0.86	0.0855	57
	STATION 29B	TSP-6	1176	0.75	0.0893	UPWIND
	STATION 40	TSP-5	1428	0.95	0.0588	39
	STATION 41	TSP-11	1180	0.76	0.0754	51
	STATION 42	TSP-8	416	0.27	0.4928	330 ⁽²⁾
26-Aug-08	STATION 22C	TSP-9	1040	0.76	0.101	121 ⁽²⁾
	STATION 29B	TSP-6	1082	0.79	0.0499	UPWIND
	STATION 40	TSP-5	1259	0.9	0.0492	59
	STATION 41	TSP-11	1250	0.9	0.1216	146 ⁽²⁾
	STATION 42	TSP-8	383	0.28	0.1044	125 ⁽²⁾
27-Aug-08	STATION 22C	TSP-9	1171	0.83	0.0615	105 ⁽²⁾
	STATION 29B	TSP-6	1108	0.79	0.0352	UPWIND
	STATION 40	TSP-5	1378	0.96	0.0283	48
	STATION 41	TSP-11	1280	0.9	0.1031	175 ⁽²⁾
	STATION 42	TSP-8	465	0.33	0.0581	99
28-Aug-08	STATION 22C	TSP-9	NR	NR	NR	NR
	STATION 29B	TSP-6	1168	0.79	0.1293	81
	STATION 40	TSP-5	1427	0.95	0.096	UPWIND
	STATION 41	TSP-11	1316	0.89	0.2097	131 ⁽²⁾
	STATION 42	TSP-8	447	0.3	0.6331	395 ⁽²⁾
3-Sep-08	STATION 22C	TSP-9	1300	0.86	0.0923	UPWIND
	STATION 29B	TSP-6	1096	0.75	0.0721	47
	STATION 40	TSP-5	1556	0.99	0.0296	19
	STATION 41	TSP-11	1389	0.94	0.0842	55
	STATION 42	TSP-8	532	0.36	0.094	61

TABLE C1.8

GROUP 16 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
4-Sep-08	STATION 22C	TSP-9	898	0.67	0.0813	101 ⁽²⁾
	STATION 29B	TSP-6	1068	0.79	0.0496	62
	STATION 40	TSP-5	1355	0.94	0.048	UPWIND
	STATION 41	TSP-11	1191	0.83	0.0688	86
	STATION 42	TSP-8	471	0.35	0.0955	119 ⁽²⁾
5-Sep-08	STATION 22C	TSP-9	913	0.66	0.0723	UPWIND
	STATION 29B	TSP-6	1145	0.82	0.0306	25
	STATION 40	TSP-5	1248	0.95	0.0288	24
	STATION 41	TSP-11	1175	0.87	0.0732	61
	STATION 42	TSP-8	500	0.36	0.048	40
6-Sep-08	STATION 22C	TSP-9	1047	0.68	0.0468	UPWIND
	STATION 29B	TSP-6	1293	0.84	0.0278	36
	STATION 40	TSP-5	1478	0.97	0.025	32
	STATION 41	TSP-11	1350	0.91	0.0652	83
	STATION 42	TSP-8	508	0.33	0.0591	76
8-Sep-08	STATION 22C	TSP-9	858	0.59	0.1166	194 ⁽²⁾
	STATION 29B	TSP-6	1230	0.88	0.0325	54
	STATION 40	TSP-5	1503	0.99	0.0359	UPWIND
	STATION 41	TSP-11	1322	0.86	0.1059	177 ⁽²⁾
	STATION 42	TSP-8	301	0.21	0.1163	194 ⁽²⁾
9-Sep-08	STATION 22C	TSP-9	705	0.52	0.1801	425 ⁽²⁾
	STATION 29B	TSP-6	1142	0.81	0.0254	UPWIND
	STATION 40	TSP-5	1198	0.88	0.0184	43
	STATION 41	TSP-11	1119	0.86	0.0929	219 ⁽²⁾
	STATION 42	TSP-8	415	0.3	0.0506	119 ⁽²⁾
10-Sep-08	STATION 22C	TSP-9	712	0.49	0.1264	247 ⁽²⁾
	STATION 29B	TSP-6	1177	0.85	0.0306	UPWIND
	STATION 40	TSP-5	1453	1	0.0289	57
	STATION 41	TSP-11	1398	0.97	0.0923	181 ⁽²⁾
	STATION 42	TSP-8	527	0.37	0.1366	267 ⁽²⁾
11-Sep-08	STATION 22C	TSP-9	657	0.48	0.1157	203 ⁽²⁾
	STATION 29B	TSP-6	1235	0.9	0.0356	63
	STATION 40	TSP-5	1380	1.01	0.0341	UPWIND
	STATION 41	TSP-11	2111	1.63	0.0393	69
	STATION 42	TSP-8	616	0.45	0.1461	257 ⁽²⁾

TABLE C1.8

GROUP 16 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
13-Sep-08	STATION 22C	TSP-9	584	0.42	0.0856	106 ⁽²⁾
	STATION 29B	TSP-6	1166	0.78	0.0729	90
	STATION 40	TSP-5	1450	0.94	0.0483	UPWIND
	STATION 41	TSP-11	1282	0.84	0.0663	82
	STATION 42	TSP-8	415	0.27	0.2096	260 ⁽²⁾
15-Sep-08	STATION 22C	TSP-9	966	0.74	0.0932	UPWIND
	STATION 29B	TSP-6	1055	0.81	0.0275	18
	STATION 40	TSP-5	1272	0.98	0.0197	13
	STATION 41	TSP-11	1121	0.86	0.1383	89
	STATION 42	TSP-8	274	0.21	0.0584	38
16-Sep-08	STATION 22C	TSP-9	838	0.58	0.2828	UPWIND
	STATION 29B	TSP-6	1179	0.83	0.0382	8
	STATION 40	TSP-5	1502	1.02	0.0286	6
	STATION 41	TSP-11	1372	0.93	0.1297	27
	STATION 42	TSP-8	573	0.4	0.0471	10
17-Sep-08	STATION 22C	TSP-9	777	0.56	0.1454	UPWIND
	STATION 29B	TSP-6	1120	0.81	0.0348	14
	STATION 40	TSP-5	1280	0.92	0.0266	11
	STATION 41	TSP-11	1238	0.88	0.1494	62
	STATION 42	TSP-8	414	0.3	0.058	24
18-Sep-08	STATION 22C	TSP-9	693	0.49	0.0909	UPWIND
	STATION 29B	TSP-6	1158	0.83	0.0406	27
	STATION 40	TSP-5	1485	1.02	0.029	19
	STATION 41	TSP-11	1305	0.9	0.1341	88
	STATION 42	TSP-8	603	0.43	0.0431	28
19-Sep-08	STATION 22C	TSP-9	846	0.53	0.0946	62
	STATION 29B	TSP-6	281	*	*	*
	STATION 40	TSP-5	1604	1.01	0.0424	28
	STATION 41	TSP-11	1219	0.85	0.1198	79
	STATION 42	TSP-8	NR	NR	NR	NR
22-Sep-08	STATION 22C	TSP-9	925	0.71	0.0886	58
	STATION 29B	TSP-6	49	*	*	*
	STATION 40	TSP-5	1375	1.01	0.0458	30
	STATION 41	TSP-11	1224	0.9	0.1168	77
	STATION 42	TSP-8	53	0.04	ND(0.0189)	UPWIND

TABLE C1.8

**GROUP 16 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
23-Sep-08	STATION 22C	TSP-9	943	0.67	0.1018	82
	STATION 29B	TSP-6	697	*	*	*
	STATION 40	TSP-5	1351	0.95	0.1488	120 ⁽²⁾
	STATION 41	TSP-11	1210	0.87	0.0479	39
	STATION 42	TSP-8	498	0.36	0.0743	UPWIND
24-Sep-08	STATION 22C	TSP-9	1084	0.76	0.2251	181 ⁽²⁾
	STATION 29B	TSP-6	NR	NR	NR	NR
	STATION 40	TSP-5	1507	1.04	0.0411	33
	STATION 41	TSP-11	590	*	*	*
	STATION 42	TSP-8	953	0.67	0.0199	16
25-Sep-08	STATION 22C	TSP-9	1170	0.76	0.3085	UPWIND
	STATION 29B	TSP-6	NR	NR	NR	NR
	STATION 40	TSP-5	1658	1.04	0.035	7
	STATION 41	TSP-11	1267	0.9	0.1586	31
	STATION 42	TSP-8	939	0.6	0.0202	4
26-Sep-08	STATION 22C	TSP-9	1087	0.82	0.4609	UPWIND
	STATION 29B	TSP-6	NR	NR	NR	NR
	STATION 40	TSP-5	1357	1.01	0.0383	5
	STATION 41	TSP-11	1349	0.91	0.2113	27
	STATION 42	TSP-8	680	0.52	0.0338	4
27-Sep-08	STATION 22C	TSP-9	1491	0.87	0.1583	21
	STATION 41	TSP-11	1059	0.83	0.0538	7
	STATION 42	TSP-8	741	0.44	0.0378	5
29-Sep-08	STATION 22C	TSP-9	859	0.62	0.1665	UPWIND
	STATION 29B	TSP-6	1102	0.8	0.108	39
	STATION 40	TSP-5	1316	0.93	0.0555	20
	STATION 41	TSP-11	1196	0.91	0.0769	28
	STATION 42	TSP-8	525	0.38	0.1848	66
30-Sep-08	STATION 22C	TSP-9	1012	0.74	0.1532	UPWIND
	STATION 29B	TSP-6	1212	0.89	0.0479	19
	STATION 40	TSP-5	1387	1	0.0389	15
	STATION 41	TSP-11	1343	0.97	0.0678	27
	STATION 42	TSP-8	505	0.37	0.0832	33
01-Oct-08	STATION 22C	TSP-9	995	0.68	0.393	UPWIND
	STATION 29B	TSP-6	1249	0.87	0.0985	15
	STATION 40	TSP-5	1509	1.01	0.0404	6
	STATION 41	TSP-11	761	*	*	*
	STATION 42	TSP-8	629	0.43	0.0843	13

TABLE C1.8

**GROUP 16 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
02-Oct-08	STATION 22C	TSP-9	799	0.59	0.2165	60
	STATION 29B	TSP-6	1169	0.86	0.0659	18
	STATION 40	TSP-5	1261	1.01	0.0404	11
	STATION 41	TSP-11	56	*	*	*
	STATION 42	TSP-8	546	0.4	0.0696	19
03-Oct-08	STATION 22C	TSP-9	650	0.48	0.3585	560 ⁽²⁾
	STATION 29B	TSP-6	1173	0.87	0.0682	107 ⁽²⁾
	STATION 40	TSP-5	1304	0.96	0.0383	UPWIND
	STATION 41	TSP-11	648	0.58	0.1867	292 ⁽²⁾
	STATION 42	TSP-8	542	0.4	0.1015	159 ⁽²⁾
04-Oct-08	STATION 22C	TSP-9	987	0.61	0.306	326 ⁽²⁾
	STATION 29B	TSP-6	1369	0.86	0.0562	UPWIND
	STATION 40	TSP-5	1483	0.92	0.0371	40
	STATION 41	TSP-11	1281	0.8	0.1023	109 ⁽²⁾
	STATION 42	TSP-8	691	0.43	0.0622	66
06-Oct-08	STATION 22C	TSP-9	762	0.54	0.3911	330 ⁽²⁾
	STATION 29B	TSP-6	1212	0.86	0.052	44
	STATION 40	TSP-5	1299	0.89	0.0354	30
	STATION 41	TSP-11	1089	0.75	0.169	143 ⁽²⁾
	STATION 42	TSP-8	606	0.43	0.071	UPWIND
07-Oct-08	STATION 22C	TSP-9	631	0.45	0.1506	309 ⁽²⁾
	STATION 29B	TSP-6	1192	0.85	0.0378	78
	STATION 40	TSP-5	1337	0.9	0.0292	UPWIND
	STATION 41	TSP-11	1148	0.78	0.0409	84
	STATION 42	TSP-8	519	0.37	0.0617	127 ⁽²⁾

Notes:

- * Results not reported due to machine malfunction.
- ** UPWIND machine did not run, therefore percent allowable not calculable.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.
- (1) Exceedance due to TSP unit downwind of generator and increased particulate from exhaust.
- (2) Exceedance due to increased work activities and less than average rainfall.

TABLE C1.9

**GROUP 17 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
25-Jul-08	STATION 1C	TSP-12	628	0.45	0.1736	271 ⁽¹⁾
26-Jul-08	STATION 1C	TSP-12	777	0.47	0.1248	505 ⁽¹⁾
27-Jul-08	STATION 1C	TSP-12	495	0.4	0.1273	173 ⁽¹⁾
06-Aug-08	STATION 1C	TSP-12	341	0.23	0.217	354 ⁽²⁾
07-Aug-08	STATION 1C	TSP-12	754	0.55	0.0557	219 ⁽²⁾
08-Aug-08	STATION 1C	TSP-12	820	0.56	0.0439	UPWIND
11-Aug-08	STATION 1C	TSP-12	694	0.49	0.0418	UPWIND
12-Aug-08	STATION 1C	TSP-12	780	0.55	0.0436	UPWIND
13-Aug-08	STATION 1C	TSP-12	794	0.54	0.1108	UPWIND
14-Aug-08	STATION 1C	TSP-12	781	0.55	0.0883	UPWIND
15-Aug-08	STATION 1C	TSP-12	400	0.28	0.095	UPWIND
18-Aug-08	STATION 1C	TSP-12	816	0.55	0.136	102 ⁽²⁾
19-Aug-08	STATION 1C	TSP-12	755	0.55	0.0848	UPWIND
20-Aug-08	STATION 1C	TSP-12	784	0.55	0.0867	50
21-Aug-08	STATION 1C	TSP-12	773	0.55	0.1501	100 ⁽²⁾
22-Aug-08	STATION 1C	TSP-12	806	0.54	0.1253	95
23-Aug-08	STATION 1C	TSP-12	636	0.4	0.1352	UPWIND
25-Aug-08	STATION 1C	TSP-12	478	0.34	0.0941	UPWIND
26-Aug-08	STATION 1C	TSP-12	568	0.41	0.0915	UPWIND
27-Aug-08	STATION 1C	TSP-12	649	0.44	0.0863	UPWIND
05-Sep-08	STATION 1C	TSP-12	291	0.21	0.2612	271 ⁽²⁾
06-Sep-08	STATION 1C	TSP-12	883	0.56	0.06	UPWIND

TABLE C1.9

**GROUP 17 TSP AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Location</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Average Flow m3/min</i>	<i>TSP Concentration mg/m3</i>	<i>Percent Allowable %</i>
08-Sep-08	STATION 1C	TSP-12	701	0.49	0.1241	112 ⁽²⁾
09-Sep-08	STATION 1C	TSP-12	625	0.44	0.0496	**
10-Sep-08	STATION 1C	TSP-12	710	0.5	0.1014	UPWIND
13-Sep-08	STATION 1C	TSP-12	743	0.46	0.1642	135 ⁽²⁾
15-Sep-08	STATION 1C	TSP-12	179	0.13	0.1397	UPWIND
16-Sep-08	STATION 1C	TSP-12	114	0.08	0.4561	UPWIND
17-Sep-08	STATION 1C	TSP-12	116	0.08	0.3621	UPWIND
18-Sep-08	STATION 1C	TSP-12	638	0.46	0.0611	UPWIND
19-Sep-08	STATION 1C	TSP-12	248	0.15	0.2661	183 ⁽²⁾
22-Sep-08	STATION 1C	TSP-12	108	0.08	1.213	475 ⁽²⁾
23-Sep-08	STATION 1C	TSP-12	113	0.08	0.6283	295 ⁽²⁾
24-Sep-08	STATION 1C	TSP-12	218	0.15	0.4817	UPWIND
25-Sep-08	STATION 1C	TSP-12	381	0.27	0.0787	UPWIND
26-Sep-08	STATION 1C	TSP-12	426	0.28	0.0657	UPWIND
27-Sep-08	STATION 1C	TSP-12	473	0.27	0.0423	UPWIND
29-Sep-08	STATION 1C	TSP-12	593	0.42	0.1383	323 ⁽²⁾
30-Sep-08	STATION 1C	TSP-12	182	*	*	*
01-Oct-08	STATION 1C	TSP-12	654	0.44	0.0061	12
02-Oct-08	STATION 1C	TSP-12	608	0.45	0.0049	9
03-Oct-08	STATION 1C	TSP-12	939	0.67	0.2087	403 ⁽²⁾

Notes:

* Results not reported due to machine malfunction.

** UPWIND machine did not run, therefore, percent allowable not calculable.

(1) Exceedance attributed to increased work activities.

(2) Exceedance attributed to increased work activities and less than average rainfall.

TABLE C.2.1

STATION 1 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
05-Sep-03	PUF-4	378	2.7	0.0071	1
06-Sep-03	PUF-4	350	11.0	0.0315	3
07-Sep-03	PUF-4	396	17.0	0.0429	4
11-Sep-03	PUF-4	394	5.9	0.0150	2
15-Sep-03	PUF-4	390	21.0	0.0538	5
16-Sep-03	PUF-4	333	48.0	0.1441	14
17-Sep-03	PUF-4	368	25.0	0.0680	7
17-Sep-03	PUF-4	384	2.1	0.0055	1
18-Sep-03	PUF-4	375	18.0	0.0480	5
19-Sep-03	PUF-4	379	19.0	0.0501	5
19-Sep-03	PUF-4	358	30.0	0.0837	8
22-Sep-03	PUF-4	376	5.0	0.0133	1
23-Sep-03	PUF-4	375	4.6	0.0123	1
23-Sep-03	PUF-4	380	37.0	0.0974	10
24-Sep-03	PUF-4	359	5.1	0.0142	1
25-Sep-03	PUF-4	471	41.0	0.0871	9
25-Sep-03	PUF-4	462	4.4	0.0095	1
05-Oct-03	PUF-4	334	7.1	0.0213	2
08-Oct-03	PUF-4	349	31.0	0.0888	9
09-Oct-03	PUF-4	257	33.0	0.1284	13
15-Oct-03	PUF-4	583	7.9	0.0136	1
16-Oct-03	PUF-4	389	17.0	0.0437	4
17-Oct-03	PUF-4	381	23.0	0.0604	6
20-Oct-03	PUF-4	358	2.1	0.0059	1
21-Oct-03	PUF-4	372	3.9	0.0105	1
22-Oct-03	PUF-4	382	12.0	0.0314	3
23-Oct-03	PUF-4	461	18.0	0.0390	4
27-Oct-03	PUF-4	360	4.0	0.0111	1
29-Oct-03	PUF-4	406	4.8	0.0118	1
30-Oct-03	PUF-4	198	--	--	--
03-Nov-03	PUF-4	346	3.2	0.0092 J	1
04-Nov-03	PUF-4	375	2.3	0.0061 J	1
05-Nov-03	PUF-4	385	13.0	0.0338	3
06-Nov-03	PUF-4	363	15.0	0.0413	4
10-Nov-03	PUF-4	356	3.2	0.0090	1
11-Nov-03	PUF-4	361	1.3	0.0036	0
12-Nov-03	PUF-4	378	0.0	ND(0.002)	--
02-Dec-03	PUF-4	372	3.8	0.0102	1
03-Dec-03	PUF-4	352	9.2	0.0261	3
04-Dec-03	PUF-4	363	11.0	0.0303	3
05-Dec-03	PUF-4	388	4.0	0.0103	1
11-Dec-03	PUF-4	353	0.8	0.0022	0
12-Dec-03	PUF-4	347	2.8	0.0081	1
15-Dec-03	PUF-4	364	1.0	0.0027	0
16-Dec-03	PUF-4	373	0.6	0.0015 J	0
05-Jan-04	PUF-4	312	0.8	0.0025	0
06-Jan-04	PUF-4	393	0.0	ND(0.0019)	--
07-Jan-04	PUF-4	402	0.0	ND(0.0019)	--
08-Jan-04	PUF-4	381	6.9	0.0181 J	2
09-Jan-04	PUF-4	392	3.4	0.0087	1
12-Jan-04	PUF-4	358	1.2	0.0034	0
13-Jan-04	PUF-4	376	5.2	0.0138	1
14-Jan-04	PUF-4	357	3.4	0.0095	1
15-Jan-04	PUF-4	404	2.7	0.0067	1
16-Jan-04	PUF-4	276	2.1	0.0076	1
19-Jan-04	PUF-4	644	4.5	0.0070	1

TABLE C 2.1

STATION 1 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
21-Jan-04	PUF-4	329	1.0	0.0030	0
22-Jan-04	PUF-4	331	0.0	ND(0.0023)	--
23-Jan-04	PUF-4	342	0.7	0.0021 J	0
26-Jan-04	PUF-4	326	1.4	0.0043	0
27-Jan-04	PUF-4	340	0.0	ND(0.0022)	--
29-Jan-04	PUF-4	439	0.7	0.0015 J	0
02-Feb-04	PUF-4	167	*	*	*
03-Feb-04	PUF-4	365	0.0	ND(0.0021)	--
04-Feb-04	PUF-4	406	2.8	0.0069	1
05-Feb-04	PUF-4	363	2.2	0.0061	1
06-Feb-04	PUF-4	370	0.0	ND(0.002)	--
09-Feb-04	PUF-4	363	0.7	0.002 J	0
10-Feb-04	PUF-4	378	2.2	0.0058	1
11-Feb-04	PUF-4	390	3.7	0.0095	1
12-Feb-04	PUF-4	427	1.8	0.0042	0
16-Feb-04	PUF-4	370	7.6	0.0205	2
17-Feb-04	PUF-4	372	7.3	0.0196	2
18-Feb-04	PUF-4	350	2.6	0.0074	1
19-Feb-04	PUF-4	385	1.9	0.0049	0
20-Feb-04	PUF-4	353	0.6	0.0017 J	0
23-Feb-04	PUF-4	354	7.4	0.0209	2
24-Feb-04	PUF-4	356	8.5	0.0239	2
25-Feb-04	PUF-4	388	4.3	0.0111	1
26-Feb-04	PUF-4	403	8.2	0.0203	2
05-Mar-04	PUF-4	191	*	*	*
08-Mar-04	PUF-4	206	1.7	0.0083	1
09-Mar-04	PUF-4	354	21.0	0.0593	6
10-Mar-04	PUF-4	432	3.0	0.0069	1
11-Mar-04	PUF-4	350	0.6	0.0017 J	0
12-Mar-04	PUF-4	379	9.9	0.0261	3
15-Mar-04	PUF-4	367	4.9	0.0134	1
16-Mar-04	PUF-4	350	9.9	0.0283	3
17-Mar-04	PUF-4	400	5.3	0.0132	1
18-Mar-04	PUF-4	278	6.8	0.0245	2
19-Mar-04	PUF-4	341	5.3	0.0155	2
22-Mar-04	PUF-4	356	4.7	0.0132	1
23-Mar-04	PUF-4	179	2.9	0.0162 J	2
24-Mar-04	PUF-4	167	1.0	0.0060	1
25-Mar-04	PUF-4	182	2.5	0.0137 J	1
26-Mar-04	PUF-4	186	12.0	0.0645	6
29-Mar-04	PUF-4	191	8.9	0.0466	5
30-Mar-04	PUF-4	183	2.6	0.0142	1
31-Mar-04	PUF-4	190	8.5	0.0447	4
01-Apr-04	PUF-4	185	8.4	0.0454	5
02-Apr-04	PUF-4	189	12.0	0.0635	6
05-Apr-04	PUF-4	197	15.0	0.0761	8
06-Apr-04	PUF-4	277	1.8	0.0065	1
07-Apr-04	PUF-4	193	9.8	0.0508	5
08-Apr-04	PUF-4	295	7.5	0.0254	3
09-Apr-04	PUF-4	286	13.0	0.0455	5
12-Apr-04	PUF-4	328	10.0	0.0305	3
13-Apr-04	PUF-4	289	9.9	0.0343	3
14-Apr-04	PUF-4	299	26.0	0.0870	9
15-Apr-04	PUF-4	290	5.1	0.0176	2
16-Apr-04	PUF-4	377	5.3	0.0141 J	1
19-Apr-04	PUF-4	310	12.0	0.0387	4

TABLE C 2.1

STATION 1 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
20-Apr-04	PUF-4	162	*	*	*
21-Apr-04	PUF-4	48	*	*	*
22-Apr-04	PUF-4	322	16.0	0.0497	5
23-Apr-04	PUF-4	426	16.0	0.0376	4
26-Apr-04	PUF-4	372	3.3	0.0089 J	1
27-Apr-04	PUF-4	353	7.6	0.0215	2
28-Apr-04	PUF-4	336	2.7	0.0080	1
29-Apr-04	PUF-4	386	5.1	0.0132	1
03-May-04	PUF-4	372	19.0	0.0511	5
04-May-04	PUF-4	358	5.6	0.0156	2
05-May-04	PUF-4	354	17.0	0.0480	5
06-May-04	PUF-4	346	3.3	0.0095	1
07-May-04	PUF-4	409	13.0	0.0318	3
10-May-04	PUF-4	328	8.4	0.0256	3
11-May-04	PUF-4	337	6.9	0.0205	2
12-May-04	PUF-4	380	8.6	0.0226	2
13-May-04	PUF-4	367	4.0	0.0109	1
14-May-04	PUF-4	358	13.0	0.0363	4
18-May-04	PUF-4	355	8.1	0.0228	2
19-May-04	PUF-4	341	7.8	0.0229	2
20-May-04	PUF-4	355	8.3	0.0235 J	2
21-May-04	PUF-4	341	3.6	0.0105	1
24-May-04	PUF-4	328	7.5	0.0230	2
25-May-04	PUF-4	408	25.1	0.0616	6
26-May-04	PUF-4	434	38.2	0.0880	9
27-May-04	PUF-4	276	14.0	0.0508	5
02-Jun-04	PUF-4	358	21.0	0.0587	6
03-Jun-04	PUF-4	342	31.0	0.0906	9
04-Jun-04	PUF-4	451	33.0	0.0732	7
07-Jun-04	PUF-4	347	7.8	0.0225	2
08-Jun-04	PUF-4	344	9.4	0.0273 J	3
09-Jun-04	PUF-4	342	17.0	0.0497	5
10-Jun-04	PUF-4	351	7.3	0.0208	2
11-Jun-04	PUF-4	334	8.4	0.0251	3
14-Jun-04	PUF-4	332	8.9	0.0268 J	3
15-Jun-04	PUF-4	339	14.0	0.0413	4
17-Jun-04	PUF-4	327	9.7	0.0297	3
18-Jun-04	PUF-4	345	20.0	0.0580	6
21-Jun-04	PUF-4	357	8.6	0.0241	2
22-Jun-04	PUF-4	338	23.0	0.0680	7
23-Jun-04	PUF-4	328	11.0	0.0335	3
24-Jun-04	PUF-4	333	11.0	0.0330	3
25-Jun-04	PUF-4	428	21.0	0.0491	5
28-Jun-04	PUF-4	334	14.0	0.0419	4
29-Jun-04	PUF-4	349	18.0	0.0516	5
30-Jun-04	PUF-4	339	20.0	0.0590	6
01-Jul-04	PUF-4	420	35.0	0.0833	8
07-Jul-04	PUF-4	370	13.0	0.0351	4
08-Jul-04	PUF-4	356	14.0	0.0393	4
09-Jul-04	PUF-4	348	15.0	0.0431	4
13-Jul-04	PUF-4	359	12.0	0.0334	3
14-Jul-04	PUF-4	346	19.0	0.0549	5
15-Jul-04	PUF-4	356	27.0	0.0758	8
16-Jul-04	PUF-4	481	19.0	0.0395	4
19-Jul-04	PUF-4	342	20.0	0.0585	6
20-Jul-04	PUF-4	344	7.2	0.0209	2

TABLE C 2.1

STATION 1 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
21-Jul-04	PUF-4	342	5.2	0.0152	2
22-Jul-04	PUF-4	139	*	*	*
23-Jul-04	PUF-4	383	27.0	0.0705	7
26-Jul-04	PUF-4	368	14.0	0.0380	4
27-Jul-04	PUF-4	326	72.0	0.2209	22
28-Jul-04	PUF-4	344	66.0	0.1919	19
29-Jul-04	PUF-4	325	57.0	0.1754	18
30-Jul-04	PUF-4	340	12.0	0.0353	4
02-Aug-04	PUF-4	328	44.0	0.1341	13
03-Aug-04	PUF-4	301	22.0	0.0731	7
04-Aug-04	PUF-4	329	19.0	0.0578	6
05-Aug-04	PUF-4	327	18.0	0.055	6
06-Aug-04	PUF-4	384	17.0	0.0443	4
10-Aug-04	PUF-4	378	5.0	0.0132	1
11-Aug-04	PUF-4	386	7.1	0.0184	2
12-Aug-04	PUF-4	367	5.4	0.0147	1
13-Aug-04	PUF-4	495	11.0	0.0222	2
16-Aug-04	PUF-4	383	17.0	0.0444	4
17-Aug-04	PUF-4	371	3.9	0.0105	1
18-Aug-04	PUF-4	359	6.8	0.0189	2

Notes:

- * Result not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.

TABLE C.2.2

STATION 1A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
19-Aug-04	PUF-5	322	5.4	0.0168	2
20-Aug-04	PUF-5	427	5.1	0.0119	1
23-Aug-04	PUF-5	373	10	0.0268	3
24-Aug-04	PUF-5	375	5.2	0.0139	1
25-Aug-04	PUF-5	363	4.8	0.0132	1
26-Aug-04	PUF-5	394	4.4	0.0112	1
27-Aug-04	PUF-5	480	6	0.0125	1
30-Aug-04	PUF-5	383	12	0.0313	3
31-Aug-04	PUF-5	384	18	0.0469	5
01-Sep-04	PUF-5	388	14	0.0361	4
02-Sep-04	PUF-5	383	9.1	0.0238	2
03-Sep-04	PUF-5	403	13	0.0323	3
08-Sep-04	PUF-5	373	6.7	0.018	2
09-Sep-04	PUF-5	375	11	0.0293	3
10-Sep-04	PUF-5	474	12	0.0253	3
13-Sep-04	PUF-5	388	8.8	0.0227	2
14-Sep-04	PUF-5	396	6	0.0152	2
15-Sep-04	PUF-5	383	6.6	0.0172	2
16-Sep-04	PUF-5	385	8.2	0.0213	2
17-Sep-04	PUF-5	394	6	0.0152	2
18-Sep-04	PUF-5	45	*	*	*
20-Sep-04	PUF-5	345	7.3	0.0212	2
21-Sep-04	PUF-5	382	17	0.0445	4
22-Sep-04	PUF-5	389	20	0.0514	5
23-Sep-04	PUF-5	384	36	0.0938	9
24-Sep-04	PUF-5	446	57	0.1278	13
27-Sep-04	PUF-5	385	7.5	0.0195	2
28-Sep-04	PUF-5	374	4.4	0.0118	1
29-Sep-04	PUF-5	392	14	0.0357	4
30-Sep-04	PUF-5	348	12	0.0345	3
01-Oct-04	PUF-5	409	11	0.0269	3
02-Oct-04	PUF-5	428	4.2	0.0098	1
04-Oct-04	PUF-5	379	2.6	0.0069	1
05-Oct-04	PUF-5	447	12	0.0268	3
07-Oct-04	PUF-5	439	6.7	0.0153	2
08-Oct-04	PUF-5	465	6.6	0.0142	1
11-Oct-04	PUF-5	369	6.2	0.0168	2
12-Oct-04	PUF-5	406	15	0.0369	4
13-Oct-04	PUF-5	485	1.2	0.0025	0
14-Oct-04	PUF-5	353	3.2	0.0091 J	1
15-Oct-04	PUF-5	518	0	ND(0.0014)	--
19-Oct-04	PUF-5	400	7.6	0.019	2
20-Oct-04	PUF-5	403	9.5	0.0236	2
21-Oct-04	PUF-5	431	0	--	--
22-Oct-04	PUF-5	460	4.3	0.0093	1
25-Oct-04	PUF-5	398	11	0.0276	3
26-Oct-04	PUF-5	401	12	0.0299	3
27-Oct-04	PUF-5	379	14	0.0369	4
28-Oct-04	PUF-5	423	4.3	0.0102	1
29-Oct-04	PUF-5	530	1.6	0.003	0
01-Nov-04	PUF-5	385	6.4	0.0166	2
16-Nov-04	PUF-5	424	4.9	0.0116	1
17-Nov-04	PUF-5	407	2.4	0.0059	1
18-Nov-04	PUF-5	352	4.2	0.0119	1
19-Nov-04	PUF-5	495	2.7	0.0055	1
22-Nov-04	PUF-5	485	6	0.0124	1

TABLE C 2.2

**STATION 1A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
29-Nov-04	PUF-5	426	8.4	0.0197	2
30-Nov-04	PUF-5	389	4.1	0.0105	1
01-Dec-04	PUF-5	400	2.2	0.0055	1
06-Dec-04	PUF-5	380	3.5	0.0092	1
21-Dec-04	PUF-5	432	0	--	--
10-Jan-05	PUF-5	388	2.7	0.007	1
18-Jan-05	PUF-5	415	0.93	0.0022	0
25-Jan-05	PUF-5	370	1.2	0.0032	0
31-Jan-05	PUF-5	419	4.8	0.0115	1

Notes:

- * Result not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.

TABLE C 2.3

STATION 2B PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
19-Aug-04	PUF-3	161	6.3	0.0391	4
20-Aug-04	PUF-3	213	3.1	0.0146	1
23-Aug-04	PUF-3	194	12.0	0.0619	6
24-Aug-04	PUF-3	194	11.0	0.0567	6
25-Aug-04	PUF-3	183	9.8	0.0536	5
26-Aug-04	PUF-3	184	5.9	0.0321	3
27-Aug-04	PUF-3	183	9.8	0.0536	5
30-Aug-04	PUF-3	158	5.4	0.0342	3
31-Aug-04	PUF-3	157	7.1	0.0452	5
01-Sep-04	PUF-3	172	7.0	0.0407	4
02-Sep-04	PUF-3	145	9.1	0.0628	6
03-Sep-04	PUF-3	164	9.9	0.0604	6
08-Sep-04	PUF-3	164	1.4	0.0085	1
09-Sep-04	PUF-3	148	5.1	0.0345	3
10-Sep-04	PUF-3	187	7.9	0.0422	4
13-Sep-04	PUF-3	159	14.0	0.0881	9
14-Sep-04	PUF-3	163	11.0	0.0675	7
15-Sep-04	PUF-3	157	11.0	0.0701	7
16-Sep-04	PUF-3	158	3.2	0.0203	2
17-Sep-04	PUF-3	162	3.3	0.0204	2
18-Sep-04	PUF-3	173	3.2	0.0185	2
20-Sep-04	PUF-3	146	4.3	0.0295	3
21-Sep-04	PUF-3	157	10.0	0.0637	6
22-Sep-04	PUF-3	160	14.0	0.0875	9
23-Sep-04	PUF-3	157	22.0	0.1401	14
24-Sep-04	PUF-3	187	19.0	0.1016	10
27-Sep-04	PUF-3	120	2.3	0.0192	2
28-Sep-04	PUF-3	159	1.4	0.0088	1
29-Sep-04	PUF-3	161	5.0	0.0311	3
30-Sep-04	PUF-3	156	4.9	0.0314	3
01-Oct-04	PUF-3	184	5.7	0.031	3
02-Oct-04	PUF-3	178	1.8	0.0101	1
04-Oct-04	PUF-3	166	1.1	0.0066	1
05-Oct-04	PUF-3	171	4.4	0.0257	3
07-Oct-04	PUF-3	177	25.0	0.1412	14
08-Oct-04	PUF-3	194	9.8	0.0505	5
11-Oct-04	PUF-3	171	2.1	0.0123	1
12-Oct-04	PUF-3	159	4.7	0.0296	3
13-Oct-04	PUF-3	186	2.0	0.0108	1
14-Oct-04	PUF-3	135	1.0	0.0073 J	1
15-Oct-04	PUF-3	198	0.0	ND(0.0038)	--
19-Oct-04	PUF-3	163	1.6	0.0098	1
20-Oct-04	PUF-3	148	0.9	0.0058	1
21-Oct-04	PUF-3	161	0.0	--	--
22-Oct-04	PUF-3	181	5.7	0.0315	3
25-Oct-04	PUF-3	158	6.7	0.0424	4
26-Oct-04	PUF-3	144	4.1	0.0285	3
27-Oct-04	PUF-3	169	2.0	0.0118	1
28-Oct-04	PUF-3	161	7.8	0.0484	5
29-Oct-04	PUF-3	217	1.2	0.0055	1
01-Nov-04	PUF-3	165	10.0	0.0606	6
16-Nov-04	PUF-3	180	9.2	0.0511	5
17-Nov-04	PUF-3	172	1.9	0.011	1
18-Nov-04	PUF-3	147	4.2	0.0286	3
19-Nov-04	PUF-3	221	4.9	0.0222	2
22-Nov-04	PUF-3	209	3.2	0.0153	2

TABLE C 2.3

**STATION 2B PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
29-Nov-04	PUF-3	189	1.3	0.0069	1
30-Nov-04	PUF-3	171	0.8	0.0044	0
01-Dec-04	PUF-3	180	1.4	0.0078	1
06-Dec-04	PUF-3	132	5.7	0.0432	4
21-Dec-04	PUF-3	153	3.6	0.0235	2
10-Jan-05	PUF-3	107	1.5	0.014	1
18-Jan-05	PUF-3	152	0.0	--	--
25-Jan-05	PUF-3	142	0.9	0.0061	10
31-Jan-05	PUF-3	150	1.2	0.008	1

Notes:

- * Result not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.

TABLE C 2.4

**STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass <i>μg</i>	PCB Concentration <i>μg/m</i> ³	Percent Allowable %
5-Sep-03	PUF-1	294	4.4	0.0150	2
6-Sep-03	PUF-1	313	3.7	0.0118	1
7-Sep-03	PUF-1	334	12.0	0.0359	4
11-Sep-03	PUF-1	316	9.6	0.0304	3
15-Sep-03	PUF-1	314	6.7	0.0214	2
16-Sep-03	PUF-1	324	10.0	0.0309	3
17-Sep-03	PUF-1	286	11.0	0.0384	4
18-Sep-03	PUF-1	317	11.0	0.0347	3
19-Sep-03	PUF-1	315	5.9	0.0187	2
22-Sep-03	PUF-1	302	14.0	0.0463	5
23-Sep-03	PUF-1	311	9.8	0.0315	3
24-Sep-03	PUF-1	294	6.9	0.0234	2
25-Sep-03	PUF-1	385	6.2	0.0161	2
7-Oct-03	PUF-1	331	14.0	0.0423	4
8-Oct-03	PUF-1	296	12.0	0.0405	4
9-Oct-03	PUF-1	371	19.0	0.0512	5
13-Oct-03	PUF-1	259	8.5	0.0328	3
15-Oct-03	PUF-1	314	14.0	0.0446	4
16-Oct-03	PUF-1	334	9.1	0.0272	3
17-Oct-03	PUF-1	309	5.3	0.0172	2
20-Oct-03	PUF-1	317	4.8	0.0151	2
21-Oct-03	PUF-1	305	7.0	0.0230	2
22-Oct-03	PUF-1	293	5.4	0.0184	2
23-Oct-03	PUF-1	287	8.4	0.0293	3
27-Oct-03	PUF-1	332	6.2	0.0187	2
29-Oct-03	PUF-1	394	9.8	0.0249	2
30-Oct-03	PUF-1	332	6.2	0.0187	2
3-Nov-03	PUF-1	315	13.0	0.0413	4
4-Jan-03	PUF-1	306	11.0	0.0359	4
5-Nov-03	PUF-1	319	1.4	0.0044	0
6-Nov-03	PUF-1	318	2.3	0.0072	1
10-Nov-03	PUF-1	340	3.6	0.0106	1
11-Nov-03	PUF-1	324	9.1	0.0281	3
12-Nov-03	PUF-1	323	5.7	0.0176	2
2-Dec-03	PUF-1	338	1.9	0.0056	1
3-Dec-03	PUF-1	332	1.2	0.0036	0
4-Dec-03	PUF-1	337	1.9	0.0056	1
5-Dec-03	PUF-1	333	1.4	0.0042	0
11-Dec-03	PUF-1	329	1.0	0.003	0
12-Dec-03	PUF-1	343	2.4	0.007	1
15-Dec-03	PUF-1	311	2.7	0.0087	1
16-Dec-03	PUF-1	321	1.6	0.005	0
5-Jan-04	PUF-1	261	0.8	0.003	0
6-Jan-04	PUF-1	349	1.2	0.0034	0
7-Jan-04	PUF-1	344	2.2	0.0064	1
9-Jan-04	PUF-1	333	1.0	0.003	0
12-Jan-04	PUF-1	334	4.6	0.0138	1
13-Jan-04	PUF-1	335	6.0	0.0179	2
16-Jan-04	PUF-1	285	1.6	0.0056	1
19-Jan-04	PUF-1	687	2.9	0.0042	0
21-Jan-04	PUF-1	351	2.3	0.0066	1
22-Jan-04	PUF-1	355	0.8	0.0022	0
23-Jan-04	PUF-1	340	2.0	0.0059	1
26-Jan-04	PUF-1	348	1.3	0.0037	0
27-Jan-04	PUF-1	345	0.7	0.0021 J	0

TABLE C 2.4

STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass <i>μg</i>	PCB Concentration <i>μg/m</i> ³	Percent Allowable %
29-Jan-04	PUF-1	393	0.8	0.002	0
2-Feb-04	PUF-1	347	1.4	0.004	0
3-Feb-04	PUF-1	350	0.9	0.0027	0
4-Feb-04	PUF-1	383	1.0	0.0026	0
5-Feb-04	PUF-1	327	1.6	0.0049	0
6-Feb-04	PUF-1	339	1.7	0.005	0
9-Feb-04	PUF-1	362	2.6	0.0072	1
10-Feb-04	PUF-1	313	3.8	0.0121	1
11-Feb-04	PUF-1	359	7.7	0.0214	2
12-Feb-04	PUF-1	381	1.7	0.0045	0
17-Feb-04	PUF-1	318	5.2	0.0164	2
18-Feb-04	PUF-1	326	6.4	0.0196	2
19-Feb-04	PUF-1	332	5.7	0.0172	2
20-Feb-04	PUF-1	310	3.4	0.011	1
23-Feb-04	PUF-1	350	9.6	0.0274	3
24-Feb-04	PUF-1	334	1.3	0.0039	0
25-Feb-04	PUF-1	322	1.2	0.0037	0
26-Feb-04	PUF-1	389	5.0	0.0129	1
5-Mar-04	PUF-1	319	4.8	0.015	2
8-Mar-04	PUF-1	323	1.8	0.0056	1
9-Mar-04	PUF-1	325	4.3	0.0132	1
10-Mar-04	PUF-1	361	6.8	0.0188	2
11-Mar-04	PUF-1	307	2.0	0.0065	1
12-Mar-04	PUF-1	337	4.3	0.0128	1
15-Mar-04	PUF-1	336	1.5	0.0045 J	0
16-Mar-04	PUF-1	335	1.0	0.0029	0
17-Mar-04	PUF-1	347	6.6	0.019	2
18-Mar-04	PUF-1	344	4.2	0.0122	1
19-Mar-04	PUF-1	356	5.3	0.0149	1
22-Mar-04	PUF-1	383	4.9	0.0128	1
23-Mar-04	PUF-1	307	5.5	0.0179 J	2
24-Mar-04	PUF-1	311	6.7	0.0215	2
25-Mar-04	PUF-1	314	11.0	0.035	4
26-Mar-04	PUF-1	320	15.0	0.0469	5
29-Mar-04	PUF-1	346	8.4	0.0243	2
30-Mar-04	PUF-1	326	2.5	0.0077	1
31-Mar-04	PUF-1	333	1.9	0.0057	1
1-Apr-04	PUF-1	320	1.1	0.0034	0
2-Apr-04	PUF-1	320	1.8	0.0056	1
5-Apr-04	PUF-1	374	9.5	0.0254	3
6-Apr-04	PUF-1	295	17.0	0.0576	6
7-Apr-04	PUF-1	334	15.0	0.0449	4
8-Apr-04	PUF-1	316	7.4	0.0234	2
9-Apr-04	PUF-1	311	7.6	0.0244	2
12-Apr-04	PUF-1	339	0.6	0.0019 J	0
13-Apr-04	PUF-1	316	1.0	0.0031	0
14-Apr-04	PUF-1	327	17.0	0.052	5
15-Apr-04	PUF-1	329	14.0	0.0426	4
16-Apr-04	PUF-1	396	24.0	0.0606	6
19-Apr-04	PUF-1	335	11.0	0.0328	3
20-Apr-04	PUF-1	314	9.3	0.0296	3
21-Apr-04	PUF-1	339	8.1	0.0239	2
22-Apr-04	PUF-1	228	1.3	0.0057	1
23-Apr-04	PUF-1	276	9.6	0.0348	3
26-Apr-04	PUF-1	257	8.8	0.0342 J	3

TABLE C 2.4

**STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass <i>µg</i>	PCB Concentration <i>µg/m</i> ³	Percent Allowable %
27-Apr-04	PUF-1	267	6.8	0.0255	3
28-Apr-04	PUF-1	271	11.0	0.0406	4
29-Apr-04	PUF-1	287	22.0	0.0767	8
3-May-04	PUF-1	293	7.1	0.0242	2
4-May-04	PUF-1	254	14.0	0.0551	6
5-May-04	PUF-1	277	21.0	0.0758	8
6-May-04	PUF-1	279	21.0	0.0753	8
7-May-04	PUF-1	320	14.0	0.0438	4
10-May-04	PUF-1	282	16.0	0.0567	6
11-May-04	PUF-1	272	32.0	0.1176	12
12-May-04	PUF-1	299	14.0	0.0468	5
13-May-04	PUF-1	290	11.0	0.0379	4
14-May-04	PUF-1	282	6.5	0.023	2
18-May-04	PUF-1	294	13.0	0.0442	4
19-May-04	PUF-1	276	6.9	0.025	2
20-May-04	PUF-1	281	9.8	0.0349 J	3
21-May-04	PUF-1	329	14.0	0.0426	4
24-May-04	PUF-1	336	12.0	0.0357	4
25-May-04	PUF-1	218	7.6	0.0349	3
26-May-04	PUF-1	271	17.0	0.0627	6
27-May-04	PUF-1	271	34.0	0.1255	13
2-Jun-04	PUF-1	245	19.0	0.0776	8
3-Jun-04	PUF-1	244	23.0	0.0943	9
4-Jun-04	PUF-1	322	22.0	0.0683	7
7-Jun-04	PUF-1	255	21.0	0.0824	8
8-Jun-04	PUF-1	260	25.0	0.0962	10
9-Jun-04	PUF-1	245	11.0	0.0449	4
10-Jun-04	PUF-1	258	16.0	0.062	6
11-Jun-04	PUF-1	228	21.0	0.0921	9
14-Jun-04	PUF-1	244	17.0	0.0697 J	7
15-Jun-04	PUF-1	236	7.7	0.0326	3
17-Jun-04	PUF-1	250	9.4	0.0376	4
18-Jun-04	PUF-1	262	6.6	0.0252	3
21-Jun-04	PUF-1	275	7.9	0.0287	3
22-Jun-04	PUF-1	246	11.0	0.0447	4
23-Jun-04	PUF-1	264	12.0	0.0455	5
24-Jun-04	PUF-1	263	11.0	0.0418	4
25-Jun-04	PUF-1	338	10.0	0.0296	3
28-Jun-04	PUF-1	280	19.0	0.0679	7
29-Jun-04	PUF-1	248	24.0	0.0968	10
30-Jun-04	PUF-1	282	22.0	0.078	8
1-Jul-04	PUF-1	330	23.0	0.0697	7
7-Jul-04	PUF-1	290	13.0	0.0448	4
8-Jul-04	PUF-1	274	21.0	0.0766	8
9-Jul-04	PUF-1	272	11.0	0.0404	4
13-Jul-04	PUF-1	226	7.9	0.035	4
14-Jul-04	PUF-1	270	17.0	0.063	6
15-Jul-04	PUF-1	265	12.0	0.0453	5
16-Jul-04	PUF-1	329	15.0	0.0456	5
20-Jul-04	PUF-1	263	19.0	0.0722	7
21-Jul-04	PUF-1	229	13.0	0.0568	6
22-Jul-04	PUF-1	263	13.0	0.0494	5
23-Jul-04	PUF-1	260	7.2	0.0277	3
26-Jul-04	PUF-1	230	5.3	0.023	2
27-Jul-04	PUF-1	238	6.5	0.0273	3

TABLE C 2.4

**STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass <i>μg</i>	PCB Concentration <i>μg/m</i> ³	Percent Allowable %
28-Jul-04	PUF-1	254	9.4	0.037	4
29-Jul-04	PUF-1	249	9.4	0.0378	4
30-Jul-04	PUF-1	201	5.8	0.0289	3
2-Aug-04	PUF-1	255	12.0	0.0471	5
3-Aug-04	PUF-1	261	13.0	0.0498	5
4-Aug-04	PUF-1	275	4.9	0.0178	2
5-Aug-04	PUF-1	273	8.4	0.0308	3
6-Aug-04	PUF-1	321	5.5	0.0171	2
10-Aug-04	PUF-1	280	16.0	0.0571	6
11-Aug-04	PUF-1	289	6.9	0.0239	2
12-Aug-04	PUF-1	244	4.3	0.0176	2
13-Aug-04	PUF-1	401	5.1	0.0127	1
16-Aug-04	PUF-1	321	8.2	0.0255	3
17-Aug-04	PUF-1	318	10.0	0.0314	3
18-Aug-04	PUF-1	305	14.0	0.0459	5
19-Aug-04	PUF-1	315	19.0	0.0603	6
20-Aug-04	PUF-1	356	6.4	0.018	2
23-Aug-04	PUF-1	302	17.0	0.0563	6
24-Aug-04	PUF-1	334	13.0	0.0389	4
25-Aug-04	PUF-1	305	15.0	0.0492	5
26-Aug-04	PUF-1	329	13.0	0.0395	4
27-Aug-04	PUF-1	344	30.0	0.0872	9
30-Aug-04	PUF-1	323	6.2	0.0192	2
31-Aug-04	PUF-1	315	7.3	0.0232	2
1-Sep-04	PUF-1	318	7.6	0.0239	2
2-Sep-04	PUF-1	321	9.4	0.0293	3
3-Sep-04	PUF-1	310	11.0	0.0355	4
8-Sep-04	PUF-1	331	4.5	0.0136	1
9-Sep-04	PUF-1	322	5.3	0.0165	2
10-Sep-04	PUF-1	363	6.0	0.0165	2
14-Sep-04	PUF-1	313	26.0	0.0831	8
15-Sep-04	PUF-1	302	22.0	0.0728	7
16-Sep-04	PUF-1	304	5.3	0.0174	2
17-Sep-04	PUF-1	310	8.1	0.0261	3
18-Sep-04	PUF-1	330	11.0	0.0333	3
20-Sep-04	PUF-1	272	9.1	0.0335	3
21-Sep-04	PUF-1	319	41.0	0.1285	13
22-Sep-04	PUF-1	288	69.0	0.2396	24
23-Sep-04	PUF-1	308	84.0	0.2727	27
24-Sep-04	PUF-1	345	68.0	0.1971	20
27-Sep-04	PUF-1	322	64.0	0.1988	20
28-Sep-04	PUF-1	326	5.1	0.0156	2
29-Sep-04	PUF-1	309	8.5	0.0275	3
30-Sep-04	PUF-1	286	17.0	0.0594	6
1-Oct-04	PUF-1	340	29.0	0.0853	9
2-Oct-04	PUF-1	337	4.5	0.0134	1
4-Oct-04	PUF-1	313	9.1	0.0291	3
5-Oct-04	PUF-1	357	16.0	0.0448	4
7-Oct-04	PUF-1	325	190.0	0.5846	58
8-Oct-04	PUF-1	294	79.0	0.2687	27
11-Oct-04	PUF-1	324	11.0	0.034	3
12-Oct-04	PUF-1	305	14.0	0.0459	5
13-Oct-04	PUF-1	304	7.0	0.023	2
14-Oct-04	PUF-1	335	5.2	0.0155 J	2
15-Oct-04	PUF-1	397	9.7	0.0244	2

TABLE C 2.4

**STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass <i>μg</i>	PCB Concentration <i>μg/m</i> ³	Percent Allowable %
19-Oct-04	PUF-1	337	5.4	0.016	2
20-Oct-04	PUF-1	300	8.4	0.028	3
21-Oct-04	PUF-1	293	0.0	ND(0.041)	--
22-Oct-04	PUF-1	361	5.7	0.0158	2
25-Oct-04	PUF-1	360	18.0	0.05	5
26-Oct-04	PUF-1	297	8.8	0.0296	3
27-Oct-04	PUF-1	328	7.6	0.0232	2
28-Oct-04	PUF-1	317	9.2	0.029	3
29-Oct-04	PUF-1	387	12.0	0.031	3
1-Nov-04	PUF-1	354	11.0	0.0311	3
2-Nov-04	PUF-1	343	4.6	0.0134	1
3-Nov-04	PUF-1	366	2.8	0.0077	1
4-Nov-04	PUF-1	347	2.5	0.0072	1
5-Nov-04	PUF-1	425	11.0	0.0259	3
8-Nov-04	PUF-1	356	11.0	0.0309	3
9-Nov-04	PUF-1	341	23.0	0.0674	7
10-Nov-04	PUF-1	338	44.0	0.1302	13
11-Nov-04	PUF-1	347	13.0	0.0375	4
12-Nov-04	PUF-1	467	18.0	0.0385	4
15-Nov-04	PUF-1	303	39.0	0.1287	13
16-Nov-04	PUF-1	381	41.0	0.1076	11
17-Nov-04	PUF-1	365	44.0	0.1205	12
18-Nov-04	PUF-1	299	17.0	0.0569	6
19-Nov-04	PUF-1	446	13.0	0.0291	3
22-Nov-04	PUF-1	397	4.7	0.0118	1
29-Nov-04	PUF-1	361	3.9	0.0108	1
30-Nov-04	PUF-1	402	2.8	0.007	1
1-Dec-04	PUF-1	269	6.7	0.0249	2
6-Dec-04	PUF-1	288	12.0	0.0417	4
13-Dec-04	PUF-1	301	0.0	ND(0.0025)	--
21-Dec-04	PUF-1	276	4.3	0.0156	2
4-Jan-05	PUF-1	306	18.0	0.0588	6
10-Jan-05	PUF-1	296	4.6	0.0155	2
18-Jan-05	PUF-1	308	2.2	0.0071	1
25-Jan-05	PUF-1	288	4.5	0.0156	2
31-Jan-05	PUF-1	307	6.9	0.0225	2
8-Feb-05	PUF-1	288	4.4	0.0153	2
16-Feb-05	PUF-1	274	1.5	0.0055	1
22-Feb-05	PUF-1	324	3.4	0.0105	1
2-Mar-05	PUF-1	302	3.7	0.0123	1
16-Mar-05	PUF-1	338	6.4	0.0189	2
24-Mar-05	PUF-1	352	3.0	0.0085	1
13-Apr-05	PUF-1	342	40.0	0.117	12
25-May-05	PUF-1	320	33.0	0.1031	10
1-Jun-05	PUF-1	302	33.0	0.1093	11
9-Jun-05	PUF-1	286	11.0	0.0385	4
16-Jun-05	PUF-1	371	17.0	0.0458	5
8-Sep-05	PUF-1	1	0.0	ND(0.75)	--

Notes:

- * Results not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.

TABLE C 2.5

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
6-Sep-03	PUF-2	366	10.0	0.0274	3
7-Sep-03	PUF-2	392	2.9	0.0074	1
11-Sep-03	PUF-2	371	2.6	0.0070	1
15-Sep-03	PUF-2	366	6.5	0.0178	2
16-Sep-03	PUF-2	303	2.5	0.0083	1
17-Sep-03	PUF-2	344	ND	--	--
18-Sep-03	PUF-2	382	3.5	0.0092	1
19-Sep-03	PUF-2	378	3.9	0.0103	1
22-Sep-03	PUF-2	360	7.9	0.0219	2
23-Sep-03	PUF-2	368	4.9	0.0133	1
24-Sep-03	PUF-2	342	3.8	0.0111	1
25-Sep-03	PUF-2	443	3.4	0.0077	1
7-Oct-03	PUF-2	310	3.2	0.0103	1
8-Oct-03	PUF-2	320	2.1	0.0066	1
8-Oct-03	PUF-2	262	ND	--	--
9-Oct-03	PUF-2	438	4.9	0.0112	1
9-Oct-03	PUF-2	344	5.4	0.0157	2
13-Oct-03	PUF-2	313	3.2	0.0102	1
15-Oct-03	PUF-2	363	8.1	0.0223	2
15-Oct-03	PUF-2	375	7.3	0.0195	2
16-Oct-03	PUF-2	388	5.0	0.0129	1
16-Oct-03	PUF-2	383	5.1	0.0133	1
17-Oct-03	PUF-2	355	2.6	0.0073	1
17-Oct-03	PUF-2	367	3.0	0.0082	1
20-Oct-03	PUF-2	360	3.5	0.0097	1
21-Oct-03	PUF-2	362	4.6	0.0127	1
21-Oct-03	PUF-2	341	4.1	0.0120	1
22-Oct-03	PUF-2	367	ND	--	--
22-Oct-03	PUF-2	388	4.0	0.0103	1
23-Oct-03	PUF-2	452	3.8	0.0084	1
23-Oct-03	PUF-2	437	3.1	0.0071	1
27-Oct-03	PUF-2	364	3.6	0.0099	1
27-Oct-03	PUF-2	368	3.5	0.0095	1
29-Oct-03	PUF-2	429	5.3	0.0124	1
29-Oct-03	PUF-2	424	5.4	0.0127	1
30-Oct-03	PUF-2	362	5.5	0.0152	2
30-Oct-03	PUF-2	373	4.4	0.0118	1
3-Nov-03	PUF-2	325	7.1	0.0218	2
3-Nov-03	PUF-2	324	7.8	0.0241	2
4-Nov-03	PUF-2	347	7.1	0.0205	2
4-Nov-03	PUF-2	345	7.3	0.0212	2
5-Nov-03	PUF-2	336	1.0	0.0030	0
5-Nov-03	PUF-2	343	1.2	0.0035	0
6-Nov-03	PUF-2	334	1.5	0.0045	0
6-Nov-03	PUF-2	348	2.0	0.0057 J	1
10-Nov-03	PUF-2	384	2.6	0.0068	1
10-Nov-03	PUF-2	368	2.5	0.0068	1
11-Nov-03	PUF-2	364	5.7	0.0157	2
11-Nov-03	PUF-2	348	5.4	0.0155	2
12-Nov-03	PUF-2	135	*	*	*
12-Nov-03	PUF-2	121	*	*	*
2-Dec-03	PUF-2	351	1.2	0.0034	0
2-Dec-03	PUF-2	341	1.5	0.0044	0
3-Dec-03	PUF-2	381	0.9	0.0024	0
3-Dec-03	PUF-2	368	1.0	0.0026	0
4-Dec-03	PUF-2	374	2.4	0.0064	1
4-Dec-03	PUF-2	375	2.4	0.0064	1
5-Dec-03	PUF-2	380	2.1	0.0055	1

TABLE C 2.5

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
5-Dec-03	PUF-2	375	2.2	0.0059	1
11-Dec-03	PUF-2	340	2.2	0.0065	1
11-Dec-03	PUF-2	354	2.2	0.0062	1
12-Dec-03	PUF-2	360	1.0	0.0028	0
12-Dec-03	PUF-2	374	1.0	0.0026	0
15-Dec-03	PUF-2	358	0.8	0.0023	0
15-Dec-03	PUF-2	357	0.9	0.0024	0
16-Dec-03	PUF-2	374	2.4	0.0064	1
16-Dec-03	PUF-2	372	2.4	0.0065	1
5-Jan-04	PUF-2	318	1.4	0.0044	0
5-Jan-04	PUF-2	303	1.3	0.0043	0
6-Jan-04	PUF-2	386	1.7	0.0044	0
6-Jan-04	PUF-2	380	2.0	0.0053	1
7-Jan-04	PUF-2	361	1.5	0.0042	0
7-Jan-04	PUF-2	351	1.2	0.0034	0
8-Jan-04	PUF-2	373	4.0	0.0107 J	1
9-Jan-04	PUF-2	394	1.0	0.0025	0
12-Jan-04	PUF-2	395	3.7	0.0094	1
13-Jan-04	PUF-2	382	3.3	0.0086	1
14-Jan-04	PUF-2	354	1.9	0.0054	1
15-Jan-04	PUF-2	434	1.6	0.0037	0
16-Jan-04	PUF-2	281	0.8	0.0028	0
19-Jan-04	PUF-2	724	3.0	0.0041	0
21-Jan-04	PUF-2	392	1.8	0.0046	0
22-Jan-04	PUF-2	399	1.1	0.0028	0
23-Jan-04	PUF-2	364	2.2	0.0060	1
26-Jan-04	PUF-2	389	1.4	0.0036	0
27-Jan-04	PUF-2	384	1.0	0.0026	0
29-Jan-04	PUF-2	419	0.8	0.0020	0
2-Feb-04	PUF-2	370	1.2	0.0032	0
2-Feb-04	PUF-2	369	1.3	0.0035	0
3-Feb-04	PUF-2	375	1.7	0.0045	0
3-Feb-04	PUF-2	360	1.7	0.0047	0
4-Feb-04	PUF-2	406	0.0	ND(0.0018)	--
4-Feb-04	PUF-2	376	0.0	ND(0.0020)	--
5-Feb-04	PUF-2	388	1.9	0.0049	0
5-Feb-04	PUF-2	348	1.9	0.0055	1
6-Feb-04	PUF-2	362	2.6	0.0072	1
9-Feb-04	PUF-2	391	1.4	0.0036	0
10-Feb-04	PUF-2	319	3.7	0.0116	1
10-Feb-04	PUF-2	332	4.3	0.0130	1
11-Feb-04	PUF-2	370	7.0	0.0189	2
12-Feb-04	PUF-2	409	1.7	0.0042	0
16-Feb-04	PUF-2	375	4.3	0.0115	1
16-Feb-04	PUF-2	375	4.1	0.0109	1
17-Feb-04	PUF-2	366	5.2	0.0142	1
17-Feb-04	PUF-2	367	5.0	0.0136	1
18-Feb-04	PUF-2	361	3.2	0.0089	1
18-Feb-04	PUF-2	348	3.1	0.0089	1
19-Feb-04	PUF-2	371	3.0	0.0081	1
19-Feb-04	PUF-2	390	3.3	0.0085	1
20-Feb-04	PUF-2	338	4.4	0.0130	1
20-Feb-04	PUF-2	327	4.0	0.0122	1
23-Feb-04	PUF-2	392	4.9	0.0125	1
23-Feb-04	PUF-2	392	4.5	0.0115	1
24-Feb-04	PUF-2	372	1.2	0.0032	0
24-Feb-04	PUF-2	372	1.0	0.0026	0
25-Feb-04	PUF-2	349	0.0	ND(0.0021)	--

TABLE C 2.5

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
25-Feb-04	PUF-2	349	0.0	ND(0.0021)	--
26-Feb-04	PUF-2	446	4.1	0.0092	1
5-Mar-04	PUF-2	341	7.8	0.0229	2
5-Mar-04	PUF-2	341	6.6	0.0194	2
8-Mar-04	PUF-2	332	2.4	0.0072	1
8-Mar-04	PUF-2	361	2.1	0.0058	1
9-Mar-04	PUF-2	366	4.8	0.0131	1
9-Mar-04	PUF-2	336	4.7	0.0140	1
10-Mar-04	PUF-2	293	3.0	0.0102	1
10-Mar-04	PUF-2	380	3.4	0.0089	1
11-Mar-04	PUF-2	276	2.7	0.0098	1
12-Mar-04	PUF-2	291	4.9	0.0168	2
15-Mar-04	PUF-2	304	1.0	0.0033	0
15-Mar-04	PUF-2	390	1.1	0.0028	0
16-Mar-04	PUF-2	301	0.9	0.0029	0
16-Mar-04	PUF-2	371	1.0	0.0027	0
17-Mar-04	PUF-2	300	1.1	0.0037 J	0
17-Mar-04	PUF-2	372	6.2	0.0167	2
18-Mar-04	PUF-2	368	5.8	0.0158	2
18-Mar-04	PUF-2	285	5.4	0.0189	2
19-Mar-04	PUF-2	291	2.7	0.0093	1
19-Mar-04	PUF-2	374	3.1	0.0083	1
22-Mar-04	PUF-2	347	3.0	0.0086	1
22-Mar-04	PUF-2	323	3.2	0.0099	1
23-Mar-04	PUF-2	261	4.0	0.0153	2
24-Mar-04	PUF-2	221	4.4	0.0199	2
24-Mar-04	PUF-2	345	5.8	0.0168	2
25-Mar-04	PUF-2	280	7.9	0.0282	3
25-Mar-04	PUF-2	364	9.2	0.0253	3
26-Mar-04	PUF-2	284	13.0	0.0458	5
26-Mar-04	PUF-2	369	5.2	0.0141	1
29-Mar-04	PUF-2	418	4.6	0.0110	1
29-Mar-04	PUF-2	313	4.1	0.0131	1
30-Mar-04	PUF-2	426	3.8	0.0089	1
30-Mar-04	PUF-2	309	3.3	0.0107	1
31-Mar-04	PUF-2	283	1.9	0.0067	1
31-Mar-04	PUF-2	350	2.0	0.0057	1
1-Apr-04	PUF-2	303	1.8	0.0059	1
1-Apr-04	PUF-2	360	1.9	0.0053	1
2-Apr-04	PUF-2	299	2.3	0.0077	1
2-Apr-04	PUF-2	356	2.2	0.0062	1
5-Apr-04	PUF-2	342	6.1	0.0178	2
5-Apr-04	PUF-2	423	5.7	0.0135	1
6-Apr-04	PUF-2	255	6.4	0.0251	3
6-Apr-04	PUF-2	316	6.4	0.0203	2
7-Apr-04	PUF-2	375	9.8	0.0261	3
7-Apr-04	PUF-2	301	11.0	0.0365	4
8-Apr-04	PUF-2	369	7.0	0.0190	2
8-Apr-04	PUF-2	284	6.8	0.0239	2
9-Apr-04	PUF-2	344	2.5	0.0073	1
9-Apr-04	PUF-2	276	2.2	0.0080	1
12-Apr-04	PUF-2	411	0.0	ND(0.0018)	--
12-Apr-04	PUF-2	305	0.0	ND(0.0025)	--
13-Apr-04	PUF-2	365	0.0	ND(0.0021)	--
13-Apr-04	PUF-2	271	0.5	0.0018 J	0
14-Apr-04	PUF-2	279	9.7	0.0348	3
14-Apr-04	PUF-2	362	9.5	0.0262	3
15-Apr-04	PUF-2	381	3.5	0.0092	1

TABLE C 2.5

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
15-Apr-04	PUF-2	293	3.3	0.0113	1
16-Apr-04	PUF-2	458	7.9	0.0172	2
16-Apr-04	PUF-2	352	6.4	0.0182	2
19-Apr-04	PUF-2	285	6.4	0.0225 J	2
19-Apr-04	PUF-2	375	8.0	0.0213	2
20-Apr-04	PUF-2	266	4.6	0.0173	2
20-Apr-04	PUF-2	363	4.7	0.0129	1
21-Apr-04	PUF-2	311	4.6	0.0148	1
21-Apr-04	PUF-2	419	5.3	0.0126	1
22-Apr-04	PUF-2	320	0.9	0.0028	0
22-Apr-04	PUF-2	234	0.8	0.0034	0
23-Apr-04	PUF-2	297	3.8	0.0128	1
23-Apr-04	PUF-2	353	3.2	0.0091	1
26-Apr-04	PUF-2	290	4.1	0.0141 J	1
26-Apr-04	PUF-2	346	4.8	0.0139 J	1
27-Apr-04	PUF-2	291	4.4	0.0151	2
27-Apr-04	PUF-2	364	4.4	0.0121	1
28-Apr-04	PUF-2	338	3.2	0.0095	1
28-Apr-04	PUF-2	266	3.4	0.0128	1
29-Apr-04	PUF-2	327	6.2	0.0190	2
29-Apr-04	PUF-2	373	5.4	0.0145	1
3-May-04	PUF-2	320	2.9	0.0091	1
3-May-04	PUF-2	366	2.8	0.0077	1
4-May-04	PUF-2	294	6.4	0.0218	2
4-May-04	PUF-2	336	6.3	0.0188	2
5-May-04	PUF-2	328	9.3	0.0284	3
5-May-04	PUF-2	315	8.6	0.0273	3
6-May-04	PUF-2	345	10.0	0.0290	3
6-May-04	PUF-2	345	9.1	0.0264	3
7-May-04	PUF-2	377	5.8	0.0154	2
7-May-04	PUF-2	393	6.5	0.0165	2
10-May-04	PUF-2	333	6.6	0.0198	2
10-May-04	PUF-2	320	6.6	0.0206	2
11-May-04	PUF-2	302	3.5	0.0116	1
11-May-04	PUF-2	328	4.3	0.0131	1
12-May-04	PUF-2	349	5.7	0.0163	2
12-May-04	PUF-2	364	6.8	0.0187	2
13-May-04	PUF-2	337	4.6	0.0136	1
13-May-04	PUF-2	337	4.5	0.0134	1
14-May-04	PUF-2	352	5.8	0.0165	2
14-May-04	PUF-2	352	5.2	0.0148	1
18-May-04	PUF-2	321	7.3	0.0227	2
18-May-04	PUF-2	294	7.0	0.0238	2
19-May-04	PUF-2	311	3.8	0.0122	1
19-May-04	PUF-2	324	5.2	0.0160	2
20-May-04	PUF-2	316	3.5	0.0111 J	1
20-May-04	PUF-2	290	18.0	0.0621 J	6
21-May-04	PUF-2	387	7.6	0.0196 J	2
21-May-04	PUF-2	354	7.6	0.0215	2
25-May-04	PUF-2	265	7.2	0.0272	3
25-May-04	PUF-2	257	6.6	0.0257	3
26-May-04	PUF-2	323	5.6	0.0173	2
26-May-04	PUF-2	295	5.0	0.0169	2
27-May-04	PUF-2	320	11.0	0.0344	3
27-May-04	PUF-2	306	11.0	0.0359	4
2-Jun-04	PUF-2	232	7.5	0.0323	3
2-Jun-04	PUF-2	319	6.8	0.0213	2
3-Jun-04	PUF-2	312	4.4	0.0141	1

TABLE C 2.5

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
3-Jun-04	PUF-2	227	6.2	0.0273	3
4-Jun-04	PUF-2	316	5.5	0.0174	2
4-Jun-04	PUF-2	427	5.2	0.0122	1
7-Jun-04	PUF-2	252	3.2	0.0127	1
7-Jun-04	PUF-2	369	2.5	0.0068	1
8-Jun-04	PUF-2	325	6.0	0.0185	2
8-Jun-04	PUF-2	240	5.8	0.0242	2
9-Jun-04	PUF-2	310	6.6	0.0213	2
9-Jun-04	PUF-2	225	7.1	0.0316	3
10-Jun-04	PUF-2	243	5.7	0.0235	2
10-Jun-04	PUF-2	334	4.3	0.0129	1
11-Jun-04	PUF-2	219	5.4	0.0247	2
11-Jun-04	PUF-2	302	5.4	0.0179	2
14-Jun-04	PUF-2	227	6.7	0.0295 J	3
14-Jun-04	PUF-2	313	5.3	0.0169 J	2
15-Jun-04	PUF-2	326	3.9	0.0120	1
15-Jun-04	PUF-2	237	4.2	0.0177	2
17-Jun-04	PUF-2	250	6.1	0.0244	2
17-Jun-04	PUF-2	290	5.9	0.0203	2
18-Jun-04	PUF-2	313	5.4	0.0173	2
18-Jun-04	PUF-2	298	6.1	0.0205	2
21-Jun-04	PUF-2	337	5.2	0.0154	2
21-Jun-04	PUF-2	337	4.6	0.0136	1
22-Jun-04	PUF-2	294	5.1	0.0173	2
22-Jun-04	PUF-2	294	4.4	0.0150	2
23-Jun-04	PUF-2	305	5.3	0.0174	2
23-Jun-04	PUF-2	320	3.9	0.0122	1
24-Jun-04	PUF-2	301	4.9	0.0163	2
24-Jun-04	PUF-2	315	4.5	0.0143	1
25-Jun-04	PUF-2	387	3.1	0.0080	1
25-Jun-04	PUF-2	406	2.8	0.0069	1
28-Jun-04	PUF-2	339	4.3	0.0127	1
28-Jun-04	PUF-2	324	4.3	0.0133	1
29-Jun-04	PUF-2	302	4.8	0.0159	2
29-Jun-04	PUF-2	274	4.9	0.0179	2
30-Jun-04	PUF-2	312	6.3	0.0202	2
30-Jun-04	PUF-2	284	6.7	0.0236	2
1-Jul-04	PUF-2	325	8.6	0.0265	3
1-Jul-04	PUF-2	374	8.0	0.0214	2
7-Jul-04	PUF-2	293	7.6	0.0259	3
7-Jul-04	PUF-2	321	7.3	0.0227	2
8-Jul-04	PUF-2	133	*	*	*
8-Jul-04	PUF-2	153	*	*	*
9-Jul-04	PUF-2	290	8.7	0.0300	3
9-Jul-04	PUF-2	319	9.1	0.0285	3
13-Jul-04	PUF-2	320	7.1	0.0222	2
13-Jul-04	PUF-2	305	7.3	0.0239	2
14-Jul-04	PUF-2	310	6.2	0.0200	2
14-Jul-04	PUF-2	268	5.9	0.0220	2
15-Jul-04	PUF-2	284	5.8	0.0204	2
15-Jul-04	PUF-2	296	6.3	0.0213	2
16-Jul-04	PUF-2	435	6.4	0.0147	1
16-Jul-04	PUF-2	417	5.7	0.0137	1
19-Jul-04	PUF-2	308	5.8	0.0188	2
19-Jul-04	PUF-2	320	6.4	0.0200	2
20-Jul-04	PUF-2	314	4.2	0.0134	1
20-Jul-04	PUF-2	328	4.7	0.0143	1
21-Jul-04	PUF-2	143	*	*	*

TABLE C 2.5

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
21-Jul-04	PUF-2	311	5.9	0.0190	2
22-Jul-04	PUF-2	314	8.8	0.0280	3
22-Jul-04	PUF-2	315	9.2	0.0292	3
23-Jul-04	PUF-2	331	3.1	0.0094	1
23-Jul-04	PUF-2	331	2.8	0.0085	1
26-Jul-04	PUF-2	331	2.9	0.0088	1
26-Jul-04	PUF-2	361	3.4	0.0094	1
27-Jul-04	PUF-2	309	3.3	0.0107	1
27-Jul-04	PUF-2	309	3.5	0.0113	1
28-Jul-04	PUF-2	124	*	*	*
28-Jul-04	PUF-2	112	*	*	*
29-Jul-04	PUF-2	121	*	*	*
29-Jul-04	PUF-2	109	*	*	*
30-Jul-04	PUF-2	288	4.8	0.0167	2
30-Jul-04	PUF-2	288	5.6	0.0194	2
2-Aug-04	PUF-2	252	5.3	0.021	2
2-Aug-04	PUF-2	280	5.2	0.0186	2
3-Aug-04	PUF-2	272	5.3	0.0195	2
3-Aug-04	PUF-2	286	5.2	0.0182	2
4-Aug-04	PUF-2	288	5	0.0174	2
4-Aug-04	PUF-2	191	5.2	0.0272	3
5-Aug-04	PUF-2	280	1.5	0.0054	1
5-Aug-04	PUF-2	266	2.1	0.0079	1
6-Aug-04	PUF-2	332	2.1	0.0063	1
6-Aug-04	PUF-2	348	2	0.0057	1
10-Aug-04	PUF-2	271	5.1	0.0188	2
10-Aug-04	PUF-2	285	4.5	0.0158	2
11-Aug-04	PUF-2	354	3.3	0.0093	1
11-Aug-04	PUF-2	327	3.7	0.0113	1
12-Aug-04	PUF-2	313	3.1	0.0099	1
12-Aug-04	PUF-2	339	2.4	0.0071	1
13-Aug-04	PUF-2	412	2.3	0.0056	1
13-Aug-04	PUF-2	446	2.2	0.0049	0
16-Aug-04	PUF-2	346	3	0.0087	1
16-Aug-04	PUF-2	375	3.2	0.0085	1
17-Aug-04	PUF-2	328	2.1	0.0064	1
17-Aug-04	PUF-2	344	2.3	0.0067	1
18-Aug-04	PUF-2	348	5.6	0.0161	2
18-Aug-04	PUF-2	334	5	0.015	2
19-Aug-04	PUF-2	338	6.4	0.0189	2
19-Aug-04	PUF-2	352	6.6	0.0188	2
20-Aug-04	PUF-2	350	3	0.0086	1
20-Aug-04	PUF-2	365	3.1	0.0085	1
23-Aug-04	PUF-2	276	2	0.0072	1
23-Aug-04	PUF-2	346	3.2	0.0092	1
24-Aug-04	PUF-2	280	2	0.0071	1
24-Aug-04	PUF-2	342	2.4	0.007	1
25-Aug-04	PUF-2	327	2.9	0.0089	1
25-Aug-04	PUF-2	327	2.9	0.0089	1
26-Aug-04	PUF-2	363	3.4	0.0094	1
26-Aug-04	PUF-2	363	2.7	0.0074	1
27-Aug-04	PUF-2	386	5.6	0.0145	1
27-Aug-04	PUF-2	370	4.3	0.0116	1
30-Aug-04	PUF-2	347	4.7	0.0135	1
30-Aug-04	PUF-2	347	4.7	0.0135	1
31-Aug-04	PUF-2	336	2.7	0.008	1
31-Aug-04	PUF-2	322	2.3	0.0071	1
1-Sep-04	PUF-2	323	3	0.0093	1

TABLE C 2.5

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
1-Sep-04	PUF-2	337	2.5	0.0074	1
2-Sep-04	PUF-2	334	1.5	0.0045	0
2-Sep-04	PUF-2	363	2	0.0055	1
3-Sep-04	PUF-2	347	3.4	0.0098	1
3-Sep-04	PUF-2	347	3.1	0.0089	1
8-Sep-04	PUF-2	315	2	0.0063	1
8-Sep-04	PUF-2	342	2.1	0.0061	1
9-Sep-04	PUF-2	356	2.3	0.0065	1
9-Sep-04	PUF-2	342	2.3	0.0067	1
10-Sep-04	PUF-2	408	2.2	0.0054	1
10-Sep-04	PUF-2	408	2	0.0049	0
13-Sep-04	PUF-2	335	2.2	0.0066	1
13-Sep-04	PUF-2	320	1.4	0.0044	0
14-Sep-04	PUF-2	328	2.8	0.0085	1
14-Sep-04	PUF-2	343	2.5	0.0073	1
15-Sep-04	PUF-2	281	0.95	0.0034	0
15-Sep-04	PUF-2	337	2.4	0.0071	1
16-Sep-04	PUF-2	327	2.8	0.0086	1
16-Sep-04	PUF-2	161	1.9	0.0118	1
17-Sep-04	PUF-2	362	1.8	0.005	0
17-Sep-04	PUF-2	187	1.5	0.008	1
18-Sep-04	PUF-2	355	1.4	0.0039	0
18-Sep-04	PUF-2	200	1	0.005	0
20-Sep-04	PUF-2	308	1.3	0.0042	0
20-Sep-04	PUF-2	167	0.91	0.0054	1
21-Sep-04	PUF-2	168	4.4	0.0262	3
21-Sep-04	PUF-2	323	6.2	0.0192	2
22-Sep-04	PUF-2	291	7.3	0.0251	3
22-Sep-04	PUF-2	303	5.8	0.0191	2
23-Sep-04	PUF-2	331	8.5	0.0257	3
23-Sep-04	PUF-2	362	7.6	0.021	2
24-Sep-04	PUF-2	335	21	0.0627	6
24-Sep-04	PUF-2	350	14	0.04	4
27-Sep-04	PUF-2	348	32	0.092	9
27-Sep-04	PUF-2	333	32	0.0961	10
28-Sep-04	PUF-2	331	6.1	0.0184	2
28-Sep-04	PUF-2	345	5.7	0.0165	2
29-Sep-04	PUF-2	305	8.9	0.0292	3
29-Sep-04	PUF-2	333	7.9	0.0237	2
30-Sep-04	PUF-2	305	7.5	0.0246	2
30-Sep-04	PUF-2	305	8.3	0.0272	3
1-Oct-04	PUF-2	339	17	0.0501	5
1-Oct-04	PUF-2	354	18	0.0508	5
2-Oct-04	PUF-2	384	4.1	0.0107	1
2-Oct-04	PUF-2	338	3.6	0.0107	1
4-Oct-04	PUF-2	352	10	0.0284	3
4-Oct-04	PUF-2	324	10	0.0309	3
5-Oct-04	PUF-2	362	7.2	0.0199	2
5-Oct-04	PUF-2	332	7.8	0.0235	2
7-Oct-04	PUF-2	326	6.6	0.0202	2
7-Oct-04	PUF-2	340	6.1	0.0179	2
8-Oct-04	PUF-2	356	23	0.0646	6
8-Oct-04	PUF-2	356	22	0.0618	6
11-Oct-04	PUF-2	363	2.8	0.0077	1
11-Oct-04	PUF-2	348	2.7	0.0078	1
12-Oct-04	PUF-2	329	8.1	0.0246	2
12-Oct-04	PUF-2	330	8.3	0.0252	3
13-Oct-04	PUF-2	356	35	0.0983	10

TABLE C 2.5

STATION 4 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
13-Oct-04	PUF-2	327	30	0.0917	9
14-Oct-04	PUF-2	360	22	0.0611 J	6
14-Oct-04	PUF-2	374	23	0.0615 J	6
15-Oct-04	PUF-2	390	20	0.0513	5
15-Oct-04	PUF-2	407	19	0.0467	5
19-Oct-04	PUF-2	367	4	0.0109	1
19-Oct-04	PUF-2	382	4.5	0.0118	1
20-Oct-04	PUF-2	337	3.6	0.0107	1
20-Oct-04	PUF-2	324	3.5	0.0108	1
21-Oct-04	PUF-2	338	0	ND(0.0022)	--
21-Oct-04	PUF-2	325	0	--	--
22-Oct-04	PUF-2	404	2.9	0.0072	1
22-Oct-04	PUF-2	404	2.6	0.0064	1
25-Oct-04	PUF-2	391	11	0.0281	3
25-Oct-04	PUF-2	407	11	0.027	3
26-Oct-04	PUF-2	350	4.8	0.0137	1
26-Oct-04	PUF-2	350	5.3	0.0151	2
27-Oct-04	PUF-2	353	6.2	0.0176	2
27-Oct-04	PUF-2	382	6.6	0.0173	2
28-Oct-04	PUF-2	370	4.3	0.0116	1
28-Oct-04	PUF-2	342	4	0.0117	1
29-Oct-04	PUF-2	453	6.6	0.0146	1
29-Oct-04	PUF-2	471	7.7	0.0163	2
1-Nov-04	PUF-2	373	5.2	0.0139	1
1-Nov-04	PUF-2	359	6	0.0167	2
16-Nov-04	PUF-2	423	4.4	0.0104	1
17-Nov-04	PUF-2	374	23	0.0615	6
18-Nov-04	PUF-2	364	24	0.0659	7
19-Nov-04	PUF-2	434	14	0.0323	3
22-Nov-04	PUF-2	461	2.8	0.0061	1
29-Nov-04	PUF-2	395	2	0.0051	1
30-Nov-04	PUF-2	398	8.1	0.0204	2
1-Dec-04	PUF-2	378	6.1	0.0161	2
6-Dec-04	PUF-2	308	6.2	0.0201	2
21-Dec-04	PUF-2	326	0.64	0.002	0
10-Jan-05	PUF-2	371	3.2	0.0086	1
18-Jan-05	PUF-2	337	1	0.003	0
25-Jan-05	PUF-2	356	3.5	0.0098	1
31-Jan-05	PUF-2	352	3.2	0.0091	1

Notes:

* Result not reported due to machine malfunction.

J Estimated result. Results if less than the reporting limit.

ND Not detected.

TABLE C 2.6

**STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass <i>μg</i>	PCB Concentration <i>μg/m</i> ³	Percent Allowable %
5-Sep-03	PUF-1	294	4.4	0.0150	2
6-Sep-03	PUF-1	313	3.7	0.0118	1
7-Sep-03	PUF-1	334	12.0	0.0359	4
11-Sep-03	PUF-1	316	9.6	0.0304	3
15-Sep-03	PUF-1	314	6.7	0.0214	2
16-Sep-03	PUF-1	324	10.0	0.0309	3
17-Sep-03	PUF-1	286	11.0	0.0384	4
18-Sep-03	PUF-1	317	11.0	0.0347	3
19-Sep-03	PUF-1	315	5.9	0.0187	2
22-Sep-03	PUF-1	302	14.0	0.0463	5
23-Sep-03	PUF-1	311	9.8	0.0315	3
24-Sep-03	PUF-1	294	6.9	0.0234	2
25-Sep-03	PUF-1	385	6.2	0.0161	2
7-Oct-03	PUF-1	331	14.0	0.0423	4
8-Oct-03	PUF-1	296	12.0	0.0405	4
9-Oct-03	PUF-1	371	19.0	0.0512	5
13-Oct-03	PUF-1	259	8.5	0.0328	3
15-Oct-03	PUF-1	314	14.0	0.0446	4
16-Oct-03	PUF-1	334	9.1	0.0272	3
17-Oct-03	PUF-1	309	5.3	0.0172	2
20-Oct-03	PUF-1	317	4.8	0.0151	2
21-Oct-03	PUF-1	305	7.0	0.0230	2
22-Oct-03	PUF-1	293	5.4	0.0184	2
23-Oct-03	PUF-1	287	8.4	0.0293	3
27-Oct-03	PUF-1	332	6.2	0.0187	2
29-Oct-03	PUF-1	394	9.8	0.0249	2
30-Oct-03	PUF-1	332	6.2	0.0187	2
3-Nov-03	PUF-1	315	13.0	0.0413	4
4-Jan-03	PUF-1	306	11.0	0.0359	4
5-Nov-03	PUF-1	319	1.4	0.0044	0
6-Nov-03	PUF-1	318	2.3	0.0072	1
10-Nov-03	PUF-1	340	3.6	0.0106	1
11-Nov-03	PUF-1	324	9.1	0.0281	3
12-Nov-03	PUF-1	323	5.7	0.0176	2
2-Dec-03	PUF-1	338	1.9	0.0056	1
3-Dec-03	PUF-1	332	1.2	0.0036	0
4-Dec-03	PUF-1	337	1.9	0.0056	1
5-Dec-03	PUF-1	333	1.4	0.0042	0
11-Dec-03	PUF-1	329	1.0	0.003	0
12-Dec-03	PUF-1	343	2.4	0.007	1
15-Dec-03	PUF-1	311	2.7	0.0087	1
16-Dec-03	PUF-1	321	1.6	0.005	0
5-Jan-04	PUF-1	261	0.8	0.003	0
6-Jan-04	PUF-1	349	1.2	0.0034	0
7-Jan-04	PUF-1	344	2.2	0.0064	1
9-Jan-04	PUF-1	333	1.0	0.003	0
12-Jan-04	PUF-1	334	4.6	0.0138	1
13-Jan-04	PUF-1	335	6.0	0.0179	2
16-Jan-04	PUF-1	285	1.6	0.0056	1
19-Jan-04	PUF-1	687	2.9	0.0042	0
21-Jan-04	PUF-1	351	2.3	0.0066	1
22-Jan-04	PUF-1	355	0.8	0.0022	0
23-Jan-04	PUF-1	340	2.0	0.0059	1
26-Jan-04	PUF-1	348	1.3	0.0037	0
27-Jan-04	PUF-1	345	0.7	0.0021 J	0

TABLE C.2.6

STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass μ g	PCB Concentration μ g/ <i>m</i> ³	Percent Allowable %
29-Jan-04	PUF-1	393	0.8	0.002	0
2-Feb-04	PUF-1	347	1.4	0.004	0
3-Feb-04	PUF-1	350	0.9	0.0027	0
4-Feb-04	PUF-1	383	1.0	0.0026	0
5-Feb-04	PUF-1	327	1.6	0.0049	0
6-Feb-04	PUF-1	339	1.7	0.005	0
9-Feb-04	PUF-1	362	2.6	0.0072	1
10-Feb-04	PUF-1	313	3.8	0.0121	1
11-Feb-04	PUF-1	359	7.7	0.0214	2
12-Feb-04	PUF-1	381	1.7	0.0045	0
17-Feb-04	PUF-1	318	5.2	0.0164	2
18-Feb-04	PUF-1	326	6.4	0.0196	2
19-Feb-04	PUF-1	332	5.7	0.0172	2
20-Feb-04	PUF-1	310	3.4	0.011	1
23-Feb-04	PUF-1	350	9.6	0.0274	3
24-Feb-04	PUF-1	334	1.3	0.0039	0
25-Feb-04	PUF-1	322	1.2	0.0037	0
26-Feb-04	PUF-1	389	5.0	0.0129	1
5-Mar-04	PUF-1	319	4.8	0.015	2
8-Mar-04	PUF-1	323	1.8	0.0056	1
9-Mar-04	PUF-1	325	4.3	0.0132	1
10-Mar-04	PUF-1	361	6.8	0.0188	2
11-Mar-04	PUF-1	307	2.0	0.0065	1
12-Mar-04	PUF-1	337	4.3	0.0128	1
15-Mar-04	PUF-1	336	1.5	0.0045 J	0
16-Mar-04	PUF-1	335	1.0	0.0029	0
17-Mar-04	PUF-1	347	6.6	0.019	2
18-Mar-04	PUF-1	344	4.2	0.0122	1
19-Mar-04	PUF-1	356	5.3	0.0149	1
22-Mar-04	PUF-1	383	4.9	0.0128	1
23-Mar-04	PUF-1	307	5.5	0.0179 J	2
24-Mar-04	PUF-1	311	6.7	0.0215	2
25-Mar-04	PUF-1	314	11.0	0.035	4
26-Mar-04	PUF-1	320	15.0	0.0469	5
29-Mar-04	PUF-1	346	8.4	0.0243	2
30-Mar-04	PUF-1	326	2.5	0.0077	1
31-Mar-04	PUF-1	333	1.9	0.0057	1
1-Apr-04	PUF-1	320	1.1	0.0034	0
2-Apr-04	PUF-1	320	1.8	0.0056	1
5-Apr-04	PUF-1	374	9.5	0.0254	3
6-Apr-04	PUF-1	295	17.0	0.0576	6
7-Apr-04	PUF-1	334	15.0	0.0449	4
8-Apr-04	PUF-1	316	7.4	0.0234	2
9-Apr-04	PUF-1	311	7.6	0.0244	2
12-Apr-04	PUF-1	339	0.6	0.0019 J	0
13-Apr-04	PUF-1	316	1.0	0.0031	0
14-Apr-04	PUF-1	327	17.0	0.052	5
15-Apr-04	PUF-1	329	14.0	0.0426	4
16-Apr-04	PUF-1	396	24.0	0.0606	6
19-Apr-04	PUF-1	335	11.0	0.0328	3
20-Apr-04	PUF-1	314	9.3	0.0296	3
21-Apr-04	PUF-1	339	8.1	0.0239	2
22-Apr-04	PUF-1	228	1.3	0.0057	1
23-Apr-04	PUF-1	276	9.6	0.0348	3
26-Apr-04	PUF-1	257	8.8	0.0342 J	3

TABLE C 2.6

**STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass <i>μg</i>	PCB Concentration <i>μg/m</i> ³	Percent Allowable %
27-Apr-04	PUF-1	267	6.8	0.0255	3
28-Apr-04	PUF-1	271	11.0	0.0406	4
29-Apr-04	PUF-1	287	22.0	0.0767	8
3-May-04	PUF-1	293	7.1	0.0242	2
4-May-04	PUF-1	254	14.0	0.0551	6
5-May-04	PUF-1	277	21.0	0.0758	8
6-May-04	PUF-1	279	21.0	0.0753	8
7-May-04	PUF-1	320	14.0	0.0438	4
10-May-04	PUF-1	282	16.0	0.0567	6
11-May-04	PUF-1	272	32.0	0.1176	12
12-May-04	PUF-1	299	14.0	0.0468	5
13-May-04	PUF-1	290	11.0	0.0379	4
14-May-04	PUF-1	282	6.5	0.023	2
18-May-04	PUF-1	294	13.0	0.0442	4
19-May-04	PUF-1	276	6.9	0.025	2
20-May-04	PUF-1	281	9.8	0.0349 J	3
21-May-04	PUF-1	329	14.0	0.0426	4
24-May-04	PUF-1	336	12.0	0.0357	4
25-May-04	PUF-1	218	7.6	0.0349	3
26-May-04	PUF-1	271	17.0	0.0627	6
27-May-04	PUF-1	271	34.0	0.1255	13
2-Jun-04	PUF-1	245	19.0	0.0776	8
3-Jun-04	PUF-1	244	23.0	0.0943	9
4-Jun-04	PUF-1	322	22.0	0.0683	7
7-Jun-04	PUF-1	255	21.0	0.0824	8
8-Jun-04	PUF-1	260	25.0	0.0962	10
9-Jun-04	PUF-1	245	11.0	0.0449	4
10-Jun-04	PUF-1	258	16.0	0.062	6
11-Jun-04	PUF-1	228	21.0	0.0921	9
14-Jun-04	PUF-1	244	17.0	0.0697 J	7
15-Jun-04	PUF-1	236	7.7	0.0326	3
17-Jun-04	PUF-1	250	9.4	0.0376	4
18-Jun-04	PUF-1	262	6.6	0.0252	3
21-Jun-04	PUF-1	275	7.9	0.0287	3
22-Jun-04	PUF-1	246	11.0	0.0447	4
23-Jun-04	PUF-1	264	12.0	0.0455	5
24-Jun-04	PUF-1	263	11.0	0.0418	4
25-Jun-04	PUF-1	338	10.0	0.0296	3
28-Jun-04	PUF-1	280	19.0	0.0679	7
29-Jun-04	PUF-1	248	24.0	0.0968	10
30-Jun-04	PUF-1	282	22.0	0.078	8
1-Jul-04	PUF-1	330	23.0	0.0697	7
7-Jul-04	PUF-1	290	13.0	0.0448	4
8-Jul-04	PUF-1	274	21.0	0.0766	8
9-Jul-04	PUF-1	272	11.0	0.0404	4
13-Jul-04	PUF-1	226	7.9	0.035	4
14-Jul-04	PUF-1	270	17.0	0.063	6
15-Jul-04	PUF-1	265	12.0	0.0453	5
16-Jul-04	PUF-1	329	15.0	0.0456	5
20-Jul-04	PUF-1	263	19.0	0.0722	7
21-Jul-04	PUF-1	229	13.0	0.0568	6
22-Jul-04	PUF-1	263	13.0	0.0494	5
23-Jul-04	PUF-1	260	7.2	0.0277	3
26-Jul-04	PUF-1	230	5.3	0.023	2
27-Jul-04	PUF-1	238	6.5	0.0273	3

TABLE C 2.6

**STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass <i>μg</i>	PCB Concentration <i>μg/m</i> ³	Percent Allowable %
28-Jul-04	PUF-1	254	9.4	0.037	4
29-Jul-04	PUF-1	249	9.4	0.0378	4
30-Jul-04	PUF-1	201	5.8	0.0289	3
2-Aug-04	PUF-1	255	12.0	0.0471	5
3-Aug-04	PUF-1	261	13.0	0.0498	5
4-Aug-04	PUF-1	275	4.9	0.0178	2
5-Aug-04	PUF-1	273	8.4	0.0308	3
6-Aug-04	PUF-1	321	5.5	0.0171	2
10-Aug-04	PUF-1	280	16.0	0.0571	6
11-Aug-04	PUF-1	289	6.9	0.0239	2
12-Aug-04	PUF-1	244	4.3	0.0176	2
13-Aug-04	PUF-1	401	5.1	0.0127	1
16-Aug-04	PUF-1	321	8.2	0.0255	3
17-Aug-04	PUF-1	318	10.0	0.0314	3
18-Aug-04	PUF-1	305	14.0	0.0459	5
19-Aug-04	PUF-1	315	19.0	0.0603	6
20-Aug-04	PUF-1	356	6.4	0.018	2
23-Aug-04	PUF-1	302	17.0	0.0563	6
24-Aug-04	PUF-1	334	13.0	0.0389	4
25-Aug-04	PUF-1	305	15.0	0.0492	5
26-Aug-04	PUF-1	329	13.0	0.0395	4
27-Aug-04	PUF-1	344	30.0	0.0872	9
30-Aug-04	PUF-1	323	6.2	0.0192	2
31-Aug-04	PUF-1	315	7.3	0.0232	2
1-Sep-04	PUF-1	318	7.6	0.0239	2
2-Sep-04	PUF-1	321	9.4	0.0293	3
3-Sep-04	PUF-1	310	11.0	0.0355	4
8-Sep-04	PUF-1	331	4.5	0.0136	1
9-Sep-04	PUF-1	322	5.3	0.0165	2
10-Sep-04	PUF-1	363	6.0	0.0165	2
14-Sep-04	PUF-1	313	26.0	0.0831	8
15-Sep-04	PUF-1	302	22.0	0.0728	7
16-Sep-04	PUF-1	304	5.3	0.0174	2
17-Sep-04	PUF-1	310	8.1	0.0261	3
18-Sep-04	PUF-1	330	11.0	0.0333	3
20-Sep-04	PUF-1	272	9.1	0.0335	3
21-Sep-04	PUF-1	319	41.0	0.1285	13
22-Sep-04	PUF-1	288	69.0	0.2396	24
23-Sep-04	PUF-1	308	84.0	0.2727	27
24-Sep-04	PUF-1	345	68.0	0.1971	20
27-Sep-04	PUF-1	322	64.0	0.1988	20
28-Sep-04	PUF-1	326	5.1	0.0156	2
29-Sep-04	PUF-1	309	8.5	0.0275	3
30-Sep-04	PUF-1	286	17.0	0.0594	6
1-Oct-04	PUF-1	340	29.0	0.0853	9
2-Oct-04	PUF-1	337	4.5	0.0134	1
4-Oct-04	PUF-1	313	9.1	0.0291	3
5-Oct-04	PUF-1	357	16.0	0.0448	4
7-Oct-04	PUF-1	325	190.0	0.5846	58
8-Oct-04	PUF-1	294	79.0	0.2687	27
11-Oct-04	PUF-1	324	11.0	0.034	3
12-Oct-04	PUF-1	305	14.0	0.0459	5
13-Oct-04	PUF-1	304	7.0	0.023	2
14-Oct-04	PUF-1	335	5.2	0.0155 J	2
15-Oct-04	PUF-1	397	9.7	0.0244	2

TABLE C 2.6

**STATION 3 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass <i>μg</i>	PCB Concentration <i>μg/m</i> ³	Percent Allowable %
19-Oct-04	PUF-1	337	5.4	0.016	2
20-Oct-04	PUF-1	300	8.4	0.028	3
21-Oct-04	PUF-1	293	0.0	ND(0.041)	--
22-Oct-04	PUF-1	361	5.7	0.0158	2
25-Oct-04	PUF-1	360	18.0	0.05	5
26-Oct-04	PUF-1	297	8.8	0.0296	3
27-Oct-04	PUF-1	328	7.6	0.0232	2
28-Oct-04	PUF-1	317	9.2	0.029	3
29-Oct-04	PUF-1	387	12.0	0.031	3
1-Nov-04	PUF-1	354	11.0	0.0311	3
2-Nov-04	PUF-1	343	4.6	0.0134	1
3-Nov-04	PUF-1	366	2.8	0.0077	1
4-Nov-04	PUF-1	347	2.5	0.0072	1
5-Nov-04	PUF-1	425	11.0	0.0259	3
8-Nov-04	PUF-1	356	11.0	0.0309	3
9-Nov-04	PUF-1	341	23.0	0.0674	7
10-Nov-04	PUF-1	338	44.0	0.1302	13
11-Nov-04	PUF-1	347	13.0	0.0375	4
12-Nov-04	PUF-1	467	18.0	0.0385	4
15-Nov-04	PUF-1	303	39.0	0.1287	13
16-Nov-04	PUF-1	381	41.0	0.1076	11
17-Nov-04	PUF-1	365	44.0	0.1205	12
18-Nov-04	PUF-1	299	17.0	0.0569	6
19-Nov-04	PUF-1	446	13.0	0.0291	3
22-Nov-04	PUF-1	397	4.7	0.0118	1
29-Nov-04	PUF-1	361	3.9	0.0108	1
30-Nov-04	PUF-1	402	2.8	0.007	1
1-Dec-04	PUF-1	269	6.7	0.0249	2
6-Dec-04	PUF-1	288	12.0	0.0417	4
13-Dec-04	PUF-1	301	0.0	ND(0.0025)	--
21-Dec-04	PUF-1	276	4.3	0.0156	2
4-Jan-05	PUF-1	306	18.0	0.0588	6
10-Jan-05	PUF-1	296	4.6	0.0155	2
18-Jan-05	PUF-1	308	2.2	0.0071	1
25-Jan-05	PUF-1	288	4.5	0.0156	2
31-Jan-05	PUF-1	307	6.9	0.0225	2
8-Feb-05	PUF-1	288	4.4	0.0153	2
16-Feb-05	PUF-1	274	1.5	0.0055	1
22-Feb-05	PUF-1	324	3.4	0.0105	1
2-Mar-05	PUF-1	302	3.7	0.0123	1
16-Mar-05	PUF-1	338	6.4	0.0189	2
24-Mar-05	PUF-1	352	3.0	0.0085	1
13-Apr-05	PUF-1	342	40.0	0.117	12
25-May-05	PUF-1	320	33.0	0.1031	10
1-Jun-05	PUF-1	302	33.0	0.1093	11
9-Jun-05	PUF-1	286	11.0	0.0385	4
16-Jun-05	PUF-1	371	17.0	0.0458	5
8-Sep-05	PUF-1	1	0.0	ND(0.75)	--

Notes:

- * Results not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.

TABLE C 2.7

**STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
01-Oct-04	PUF-12	282	6.1	0.0216	2
02-Oct-04	PUF-12	372	1.9	0.0051	1
04-Oct-04	PUF-12	391	1.5	0.0038	0
05-Oct-04	PUF-12	408	7.0	0.0172	2
06-Oct-04	PUF-12	351	11.0	0.0313	3
07-Oct-04	PUF-12	312	9.0	0.0288	3
08-Oct-04	PUF-12	444	17.0	0.0383	4
11-Oct-04	PUF-12	384	2.0	0.0052	1
12-Oct-04	PUF-12	368	4.0	0.0109	1
13-Oct-04	PUF-12	407	1.3	0.0032	0
14-Oct-04	PUF-12	355	1.0	0.0028 J	0
21-Oct-04	PUF-12	422	0.0	ND(0.0284)	--
26-Oct-04	PUF-12	403	3.8	0.0094	1
27-Oct-04	PUF-12	390	1.3	0.0033	0
28-Oct-04	PUF-12	391	7.1	0.0182	2
29-Oct-04	PUF-12	519	8.9	0.0171	2
01-Nov-04	PUF-12	307	5.0	0.0163	2
02-Nov-04	PUF-12	272	0.7	0.0025 J	0
03-Nov-04	PUF-12	380	0.9	0.0024	0
04-Nov-04	PUF-12	392	0.0	--	--
05-Nov-04	PUF-12	540	2.8	0.0052	1
08-Nov-04	PUF-12	449	7.3	0.0163	2
09-Nov-04	PUF-12	315	5.9	0.0187	2
09-Nov-04	PUF-4	292	5.8	0.0199	2
10-Nov-04	PUF-12	387	5.7	0.0147	1
10-Nov-04	PUF-4	387	5.5	0.0142	1
11-Nov-04	PUF-12	339	1.2	0.0035	0
11-Nov-04	PUF-4	339	0.8	0.0025	0
12-Nov-04	PUF-12	496	0.6	0.0012 J	0
12-Nov-04	PUF-4	496	0.7	0.0014 J	0
15-Nov-04	PUF-12	410	13.0	0.0317	3
15-Nov-04	PUF-4	407	13.0	0.0319	3
16-Nov-04	PUF-12	392	14.0	0.0357	4
16-Nov-04	PUF-4	408	14.0	0.0343	3
19-Nov-04	PUF-12	451	5.5	0.0122	1
19-Nov-04	PUF-4	468	5.7	0.0122	1
06-Dec-04	PUF-12	370	8.3	0.0224	2
06-Dec-04	PUF-4	370	4.0	0.0108	1
13-Dec-04	PUF-12	404	0.0	ND(0.0019)	--
13-Dec-04	PUF-4	404	0.0	ND(0.0019)	--
04-Jan-05	PUF-12	391	2.6	0.0066	1
04-Jan-05	PUF-4	405	2.7	0.0067	1
18-Jan-05	PUF-12	431	1.2	0.0028	0
18-Jan-05	PUF-4	416	0.8	0.0019	0
31-Jan-05	PUF-12	424	7.2	0.017	2
08-Feb-05	PUF-12	402	1.1	0.0027	0
16-Feb-05	PUF-12	413	0.0	ND(0.0018)	--
22-Feb-05	PUF-12	429	0.0	ND(0.0017)	--
02-Mar-05	PUF-12	350	1.5	0.0043	0
16-Mar-05	PUF-12	412	6.0	0.0146	1
24-Mar-05	PUF-12	395	3.1	0.0078	1
13-Apr-05	PUF-12	353	2.7	0.0076	1
25-May-05	PUF-12	340	13.0	0.0382	4

TABLE C 2.7

**STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
25-May-05	PUF-4	243	16.0	0.0658	7
01-Jun-05	PUF-12	319	3.8	0.0119	1
01-Jun-05	PUF-4	235	4.3	0.0183	2
09-Jun-05	PUF-12	328	14.0	0.0427	4
09-Jun-05	PUF-4	228	19.0	0.0833	8
15-Jun-05	PUF-12	306	2.5	0.0082	1
15-Jun-05	PUF-4	236	2.8	0.0119	1
16-Jun-05	PUF-12	224	3.9	0.0174	2
16-Jun-05	PUF-4	171	5.1	0.0298	3
17-Jun-05	PUF-12	312	3.6	0.0115	1
17-Jun-05	PUF-4	237	3.6	0.0152	2
20-Jun-05	PUF-12	318	15.0	0.0472	5
20-Jun-05	PUF-4	249	16.0	0.0643	6
21-Jun-05	PUF-12	277	7.2	0.026	3
21-Jun-05	PUF-4	316	7.3	0.0231	2
22-Jun-05	PUF-12	311	14.0	0.045	4
22-Jun-05	PUF-4	354	14.0	0.0395	4
29-Jun-05	PUF-12	325	21.0	0.0646	6
06-Jul-05	PUF-12	304	7.7	0.0253	3
13-Jul-05	PUF-12	300	2.8	0.0093	1
13-Jul-05	PUF-4	342	3.0	0.0088	1
20-Jul-05	PUF-12	320	14.0	0.0438	4
20-Jul-05	PUF-4	334	17.0	0.0509	5
28-Jul-05	PUF-12	165	1.9	0.0115	1
28-Jul-05	PUF-4	180	1.5	0.0083	1
03-Aug-05	PUF-12	319	19.0	0.0596	6
03-Aug-05	PUF-4	348	22.0	0.0632	6
10-Aug-05	PUF-12	307	12.0	0.0391	4
10-Aug-05	PUF-4	321	13.0	0.0405	4
17-Aug-05	PUF-12	0	0.0	ND()	
17-Aug-05	PUF-4	1	0.0	ND(0.75)	--
24-Aug-05	PUF-12	150	1.0	0.0067	1
24-Aug-05	PUF-4	131	1.1	0.0084	1
01-Sep-05	PUF-12	2	0.0	ND(0.375)	--
01-Sep-05	PUF-4	2	0.0	ND(0.375)	--
08-Sep-05	PUF-12	238	32.0	0.1345	13
08-Sep-05	PUF-4	216	29.0	0.1343	13
14-Sep-05	PUF-12	3	0.0	ND(0.25)	--
14-Sep-05	PUF-4	2	0.0	ND(0.375)	--
12-Oct-05	PUF-12	387	21.0	0.0543	5
12-Oct-05	PUF-4	318	22.0	0.0692	7
26-Oct-05	PUF-12	371	8.9	0.024	2
26-Oct-05	PUF-4	314	8.5	0.0271	3
02-Nov-05	PUF-12	323	17.0	0.0526	5
02-Nov-05	PUF-4	308	15.0	0.0487	5
09-Nov-05	PUF-12	364	0.8	0.0021	0
09-Nov-05	PUF-4	320	0.7	0.0023	0
30-Nov-05	PUF-12	332	2.0	0.006	1
30-Nov-05	PUF-4	293	2.2	0.0075	1
07-Dec-05	PUF-12	409	0.9	0.0023 J	0
07-Dec-05	PUF-4	366	0.8	0.0021 J	0
21-Dec-05	PUF-12	450	2.7	0.006	1
21-Dec-05	PUF-4	434	2.6	0.006	1

TABLE C 2.7

**STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
04-Jan-06	PUF-12	397	0.0	ND(0.0019)	--
04-Jan-06	PUF-4	411	0.0	ND(0.0018)	--
12-Jan-06	PUF-12	481	5.5	0.0114	1
12-Jan-06	PUF-4	531	5.3	0.01 J	1
18-Jan-06	PUF-12	368	1.0	0.0027	0
18-Jan-06	PUF-4	420	1.0	0.0023	0
25-Jan-06	PUF-12	448	2.4	0.0054	1
25-Jan-06	PUF-4	418	2.9	0.0069	1
01-Feb-06	PUF-12	469	12.0	0.0256	3
01-Feb-06	PUF-4	466	13.0	0.0279	3
07-Feb-06	PUF-12	353	0.8	0.0022	0
07-Feb-06	PUF-4	367	1.0	0.0026	0
13-Feb-06	PUF-12	379	5.5	0.0145	1
13-Feb-06	PUF-4	452	6.4	0.0142	1
20-Feb-06	PUF-12	421	1.7	0.004	0
27-Feb-06	PUF-12	360	6.6	0.0183	2
27-Feb-06	PUF-4	402	6.1	0.0152	2
06-Mar-06	PUF-12	341	2.0	0.0059	1
06-Mar-06	PUF-4	399	2.3	0.0058 J	1
15-Mar-06	PUF-12	395	4.7	0.0119 J	1
15-Mar-06	PUF-4	381	4.7	0.0123 J	1
20-Mar-06	PUF-12	415	2.5	0.006	1
20-Mar-06	PUF-4	401	0.0	ND(0.0019)	--
29-Mar-06	PUF-12	411	5.0	0.0122	1
29-Mar-06	PUF-4	396	5.2	0.0131	1
10-Apr-06	PUF-12	406	4.6	0.0113	1
10-Apr-06	PUF-4	349	4.3	0.0123	1
11-Apr-06	PUF-12	429	11.0	0.0256	3
11-Apr-06	PUF-4	0			
02-May-06	PUF-12	466	14.0	0.03	3
02-May-06	PUF-4	453	13.0	0.0287	3
03-May-06	PUF-12	129	15.0	0.1163	12
03-May-06	PUF-4	429	34.0	0.0793	8
19-May-06	PUF-12	267	4.5	0.0169	2
19-May-06	PUF-4	454	4.5	0.0099	1
22-May-06	PUF-12	207	3.9	0.0188	2
22-May-06	PUF-4	386	3.9	0.0101	1
23-May-06	PUF-12	188	5.8	0.0309	3
23-May-06	PUF-4	433	6.3	0.0145	1
24-May-06	PUF-12	204	9.7	0.0475	5
24-May-06	PUF-4	340	9.2	0.0271	3
25-May-06	PUF-12	217	24.0	0.1106	11
25-May-06	PUF-4	393	23.0	0.0585	6
30-May-06	PUF-12	231	15.0	0.0649	6
30-May-06	PUF-4	419	14.0	0.0334	3
31-May-06	PUF-12	236	8.1	0.0343	3
31-May-06	PUF-4	427	7.5	0.0176	2
01-Jun-06	PUF-12	222	8.8	0.0396	4
01-Jun-06	PUF-4	402	9.7	0.0241 J	2
02-Jun-06	PUF-12	423	11.0	0.026	3
02-Jun-06	PUF-4	396	11.0	0.0278	3
05-Jun-06	PUF-12	422	9.3	0.022 J	2
05-Jun-06	PUF-4	436	9.1	0.0209 J	2

TABLE C 2.7

**STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
06-Jun-06	PUF-12	441	20.0	0.0454 J	5
06-Jun-06	PUF-4	426	19.0	0.0446 J	4
07-Jun-06	PUF-12	339	12.0	0.0354	4
07-Jun-06	PUF-4	0			
08-Jun-06	PUF-12	385	14.0	0.0364	4
08-Jun-06	PUF-4	379	18.0	0.0475	5
09-Jun-06	PUF-12	407	6.0	0.0147	1
09-Jun-06	PUF-4	377	6.2	0.0164	2
10-Jun-06	PUF-12	403	2.6	0.0065 J	1
10-Jun-06	PUF-4	378	0.7	0.0018 J	0
12-Jun-06	PUF-12	435	3.3	0.0076	1
14-Jun-06	PUF-12	392	8.5	0.0217	2
14-Jun-06	PUF-4	417	8.9	0.0213	2
15-Jun-06	PUF-12	387	7.2	0.0186	2
15-Jun-06	PUF-4	417	6.0	0.0144	1
16-Jun-06	PUF-12	368	12.0	0.0326 J	3
16-Jun-06	PUF-4	424	13.0	0.0307 J	3
17-Jun-06	PUF-12	406	33.0	0.0813 J	8
17-Jun-06	PUF-4	468	32.0	0.0684 J	7
19-Jun-06	PUF-12	367	11.0	0.03	3
19-Jun-06	PUF-4	423	12.0	0.0284	3
20-Jun-06	PUF-12	374	330.0	0.8824 J	88
20-Jun-06	PUF-4	417	19.0	0.0456 J	5
21-Jun-06	PUF-12	369	72.0	0.1951	20
21-Jun-06	PUF-4	412	71.0	0.1723	17
22-Jun-06	PUF-12	371	9.7	0.0261	3
22-Jun-06	PUF-4	428	9.5	0.0222	2
23-Jun-06	PUF-12	367	6.0	0.0163	2
23-Jun-06	PUF-4	425	5.9	0.0139	1
24-Jun-06	PUF-4	435	6.7	0.0154	2
26-Jun-06	PUF-12	432	8.3	0.0192	2
26-Jun-06	PUF-4	424	7.9	0.0186	2
27-Jun-06	PUF-12	426	7.1	0.0167	2
27-Jun-06	PUF-4	397	7.4	0.0186	2
28-Jun-06	PUF-12	435	8.3	0.0191	2
28-Jun-06	PUF-4	404	8.8	0.0218	2
29-Jun-06	PUF-12	451	7.5	0.0166	2
29-Jun-06	PUF-4	421	7.3	0.0173	2
30-Jun-06	PUF-12	437	11.0	0.0252	3
30-Jun-06	PUF-4	407	11.0	0.027	3
03-Jul-06	PUF-12	426	31.0	0.0728	7
03-Jul-06	PUF-4	477	31.0	0.065	6
05-Jul-06	PUF-12	271	1.9	0.007	1
05-Jul-06	PUF-4	428	3.2	0.0075	1
06-Jul-06	PUF-12	208	2.4	0.0115	1
06-Jul-06	PUF-4	431	3.9	0.009	1
07-Jul-06	PUF-12	353	4.8	0.0136	1
07-Jul-06	PUF-4	420	4.2	0.01	1
08-Jul-06	PUF-12	467	5.3	0.0113 J	1
08-Jul-06	PUF-4	437	6.1	0.014 J	1
10-Jul-06	PUF-12	436	45.0	0.1032	10
10-Jul-06	PUF-4	379	46.0	0.1214	12
17-Jul-06	PUF-12	430	22.0	0.0512	5

TABLE C 2.7

**STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
17-Jul-06	PUF-4	401	24.0	0.0599	6
18-Jul-06	PUF-12	407	8.9	0.0219	2
18-Jul-06	PUF-4	379	11.0	0.029	3
19-Jul-06	PUF-12	421	10.0	0.0238	2
19-Jul-06	PUF-4	392	12.0	0.0306	3
20-Jul-06	PUF-12	399	18.0	0.0451	5
20-Jul-06	PUF-4	371	19.0	0.0512	5
21-Jul-06	PUF-12	393	15.0	0.0382	4
21-Jul-06	PUF-4	366	15.0	0.041	4
22-Jul-06	PUF-12	507	5.5	0.0108	1
22-Jul-06	PUF-4	473	5.8	0.0123	1
24-Jul-06	PUF-12	364	20.0	0.0549	5
24-Jul-06	PUF-4	351	19.0	0.0541	5
25-Jul-06	PUF-12	415	28.0	0.0675	7
25-Jul-06	PUF-4	372	29.0	0.078	8
26-Jul-06	PUF-12	421	180.0	0.4276	43
26-Jul-06	PUF-4	422	180.0	0.4265	43
28-Jul-06	PUF-12	431	48.0	0.1114	11
28-Jul-06	PUF-4	418	50.0	0.1196	12
29-Jul-06	PUF-12	433	24.0	0.0554	6
29-Jul-06	PUF-4	417	24.0	0.0576	6
31-Jul-06	PUF-12	412	36.0	0.0874	9
31-Jul-06	PUF-4	384	44.0	0.1146	11
01-Aug-06	PUF-12	450	53.0	0.1178	12
01-Aug-06	PUF-4	421	61.0	0.1449	14
02-Aug-06	PUF-12	466	120.0	0.2575	26
02-Aug-06	PUF-4	436	130.0	0.2982	30
03-Aug-06	PUF-12	429	14.0	0.0326	3
03-Aug-06	PUF-4	429	14.0	0.0326	3
04-Aug-06	PUF-12	430	9.3	0.0216	2
04-Aug-06	PUF-4	387	8.2	0.0212	2
05-Aug-06	PUF-12	489	22.0	0.045 J	4
05-Aug-06	PUF-4	458	47.6	0.1004 J	10
07-Aug-06	PUF-12	462	9.3	0.0201	2
07-Aug-06	PUF-4	462	9.9	0.0214	2
08-Aug-06	PUF-12	382	10.0	0.0262	3
08-Aug-06	PUF-4	359	9.3	0.0259	3
09-Aug-06	PUF-12	452	20.0	0.0442	4
09-Aug-06	PUF-4	424	19.0	0.0448	4
10-Aug-06	PUF-12	426	19.0	0.0446	4
10-Aug-06	PUF-4	427	18.0	0.0422	4
11-Aug-06	PUF-12	460	5.5	0.012	1
11-Aug-06	PUF-4	446	5.0	0.0112	1
12-Aug-06	PUF-12	523	6.7	0.0128	1
12-Aug-06	PUF-4	506	6.2	0.0123	1
14-Aug-06	PUF-12	411	12.0	0.0292	3
14-Aug-06	PUF-4	418	8.6	0.0206	2
15-Aug-06	PUF-4	425	8.1	0.0191	2
16-Aug-06	PUF-12	359	7.0	0.0195	2
16-Aug-06	PUF-4	333	6.2	0.0186	2
17-Aug-06	PUF-12	412	11.0	0.267 J	27
17-Aug-06	PUF-4	412	1.3	0.0032 J	0
18-Aug-06	PUF-12	426	14.0	0.0329	3

TABLE C 2.7

**STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
18-Aug-06	PUF-4	413	12.0	0.0291	3
19-Aug-06	PUF-12	383	8.8	0.023	2
19-Aug-06	PUF-4	396	9.3	0.0235	2
21-Aug-06	PUF-12	440	7.2	0.0164	2
21-Aug-06	PUF-4	426	6.5	0.0153	2
22-Aug-06	PUF-12	418	8.3	0.0199	2
22-Aug-06	PUF-4	416	8.9	0.0214	2
23-Aug-06	PUF-12	450	16.0	0.0356	4
23-Aug-06	PUF-4	449	16.0	0.0356	4
24-Aug-06	PUF-12	443	13.0	0.0293	3
24-Aug-06	PUF-4	414	13.0	0.0314	3
25-Aug-06	PUF-12	457	25.0	0.0547	5
25-Aug-06	PUF-4	427	23.0	0.0539	5
26-Aug-06	PUF-12	515	14.0	0.0272	3
26-Aug-06	PUF-4	465	12.0	0.0258	3
29-Aug-06	PUF-12	432	3.9	0.009	1
29-Aug-06	PUF-4	419	3.8	0.0091	1
30-Aug-06	PUF-12	448	3.4	0.0076	1
30-Aug-06	PUF-4	404	3.4	0.0084	1
31-Aug-06	PUF-12	449	1.6	0.0036 J	0
31-Aug-06	PUF-4	376	0.6	0.0016 J	0
05-Sep-06	PUF-12	420	4.1	0.0098	1
06-Sep-06	PUF-12	416	9.8	0.0236	2
06-Sep-06	PUF-4	347	9.3	0.0268	3
07-Sep-06	PUF-12	406	9.0	0.0222	2
07-Sep-06	PUF-4	397	8.8	0.0222	2
08-Sep-06	PUF-12	434	18.0	0.0415	4
08-Sep-06	PUF-4	449	17.0	0.0379	4
09-Sep-06	PUF-12	468	17.0	0.0363	4
09-Sep-06	PUF-4	502	15.0	0.0299 J	3
11-Sep-06	PUF-12	424	14.0	0.033	3
11-Sep-06	PUF-4	427	16.0	0.0375	4
14-Sep-06	PUF-12	442	7.8	0.0176	2
14-Sep-06	PUF-4	455	11.0	0.0242	2
15-Sep-06	PUF-12	435	8.8	0.0202	2
15-Sep-06	PUF-4	404	8.7	0.0215	2
16-Sep-06	PUF-12	454	10.0	0.022	2
16-Sep-06	PUF-4	485	11.0	0.0227	2
18-Sep-06	PUF-12	429	3.0	0.007	1
18-Sep-06	PUF-4	458	2.9	0.0063	1
19-Sep-06	PUF-12	429	1.0	0.0023	0
19-Sep-06	PUF-4	442	1.0	0.0023	0
20-Sep-06	PUF-12	432	3.4	0.0079	1
20-Sep-06	PUF-4	462	3.7	0.008	1
21-Sep-06	PUF-12	424	2.3	0.0054	1
21-Sep-06	PUF-4	436	2.2	0.005	0
25-Sep-06	PUF-12	424	8.8	0.0208	2
25-Sep-06	PUF-4	437	9.2	0.0211	2
26-Sep-06	PUF-12	419	15.0	0.0358	4
26-Sep-06	PUF-4	434	15.0	0.0346	3
27-Sep-06	PUF-12	425	28.0	0.0659	7
27-Sep-06	PUF-4	411	26.0	0.0633	6
28-Sep-06	PUF-12	460	3.8	0.0083	1

TABLE C 2.7

**STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
28-Sep-06	PUF-4	459	3.8	0.0083	1
29-Sep-06	PUF-12	420	18.0	0.0429	4
29-Sep-06	PUF-4	433	17.0	0.0393	4
30-Sep-06	PUF-12	475	17.0	0.0358	4
30-Sep-06	PUF-4	490	18.0	0.0367	4
02-Oct-06	PUF-12	403	25.0	0.062	6
02-Oct-06	PUF-4	431	23.0	0.0534	5
04-Oct-06	PUF-12	418	26.0	0.0622	6
04-Oct-06	PUF-4	432	24.0	0.0556	6
05-Oct-06	PUF-12	456	1.4	0.0031	0
05-Oct-06	PUF-4	456	1.6	0.0035	0
06-Oct-06	PUF-12	418	2.9	0.0069	1
06-Oct-06	PUF-4	417	3.1	0.0074	1
07-Oct-06	PUF-12	495	7.5	0.0152	2
07-Oct-06	PUF-4	444	7.1	0.016	2
09-Oct-06	PUF-12	401	20.0	0.0499	5
09-Oct-06	PUF-4	371	17.0	0.0458	5
10-Oct-06	PUF-12	408	34.0	0.0833	8
10-Oct-06	PUF-4	365	30.0	0.0822	8
11-Oct-06	PUF-12	398	22.0	0.0553	6
11-Oct-06	PUF-4	341	22.0	0.0645	6
12-Oct-06	PUF-12	403	5.0	0.0124	1
12-Oct-06	PUF-4	375	5.9	0.0157	2
13-Oct-06	PUF-12	410	4.0	0.0098	1
13-Oct-06	PUF-4	366	4.1	0.0112	1
14-Oct-06	PUF-12	381	3.5	0.0092	1
14-Oct-06	PUF-4	340	3.6	0.0106	1
16-Oct-06	PUF-12	404	12.0	0.0297	3
16-Oct-06	PUF-4	347	11.0	0.0317	3
17-Oct-06	PUF-12	411	7.5	0.0182	2
17-Oct-06	PUF-4	341	7.8	0.0229	2
18-Oct-06	PUF-12	478	12.0	0.0251	3
18-Oct-06	PUF-4	363	11.0	0.0303	3
19-Oct-06	PUF-12	463	0.6	0.0013	0
19-Oct-06	PUF-4	336	0.0	ND(0.0015)	--
20-Oct-06	PUF-12	495	5.4	0.0109	1
20-Oct-06	PUF-4	375	5.1	0.0136	1
21-Oct-06	PUF-12	505	7.2	0.0143	1
21-Oct-06	PUF-4	399	7.0	0.0175	2
23-Oct-06	PUF-12	495	0.0	ND(0.001)	--
23-Oct-06	PUF-4	393	0.0	ND(0.0013)	--
24-Oct-06	PUF-12	478	6.0	0.0126	1
24-Oct-06	PUF-4	379	6.4	0.0169	2
25-Oct-06	PUF-12	473	15.0	0.0317	3
25-Oct-06	PUF-4	372	17.0	0.0457	5
26-Oct-06	PUF-12	455	7.2	0.0158	2
26-Oct-06	PUF-4	370	8.0	0.0216	2
27-Oct-06	PUF-12	466	4.4	0.0094	1
27-Oct-06	PUF-4	335	4.3	0.0128	1
28-Oct-06	PUF-12	288	1.2	0.0042	0
28-Oct-06	PUF-4	358	1.2	0.0034	0
30-Oct-06	PUF-12	286	50.0	0.1748	17
30-Oct-06	PUF-4	373	49.0	0.1314	13

TABLE C 2.7

**STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
31-Oct-06	PUF-12	291	4.0	0.0137	1
31-Oct-06	PUF-4	391	3.3	0.0084	1
01-Nov-06	PUF-12	299	0.8	0.0027	0
01-Nov-06	PUF-4	384	0.7	0.0018	0
02-Nov-06	PUF-12	299	4.5	0.0151	2
02-Nov-06	PUF-4	384	4.7	0.0122	1
03-Nov-06	PUF-12	315	6.2	0.0197	2
03-Nov-06	PUF-4	419	7.1	0.0169	2
04-Nov-06	PUF-12	307	7.0	0.0228	2
04-Nov-06	PUF-4	444	6.7	0.0151	2
06-Nov-06	PUF-12	298	8.5	0.0285	3
06-Nov-06	PUF-4	416	9.6	0.0231	2
07-Nov-06	PUF-12	290	5.0	0.0172	2
07-Nov-06	PUF-4	405	5.5	0.0136	1
08-Nov-06	PUF-12	269	15.0	0.0558	6
08-Nov-06	PUF-4	389	16.0	0.0411	4
09-Nov-06	PUF-12	299	79.0	0.2642	26
09-Nov-06	PUF-4	419	77.0	0.1838	18
10-Nov-06	PUF-12	474	38.0	0.0802	8
10-Nov-06	PUF-4	458	38.0	0.083	8
11-Nov-06	PUF-12	515	0.9	0.0017	0
11-Nov-06	PUF-4	499	0.6	0.0012	0
12-Nov-06	PUF-12	436	2.5	0.0057	1
12-Nov-06	PUF-4	410	2.6	0.0063	1
13-Nov-06	PUF-12	471	7.1	0.0151	2
13-Nov-06	PUF-4	457	7.5	0.0164	2
14-Nov-06	PUF-12	433	3.2	0.0074	1
14-Nov-06	PUF-4	434	3.3	0.0076	1
15-Nov-06	PUF-12	244	0.9	0.0037	0
15-Nov-06	PUF-4	196	0.6	0.0031	0
17-Nov-06	PUF-12	446	5.1	0.0114	1
17-Nov-06	PUF-4	417	5.2	0.0125	1
18-Nov-06	PUF-12	511	0.8	0.0016	0
18-Nov-06	PUF-4	513	0.7	0.0014	0
19-Nov-06	PUF-12	361	0.0	ND(0.0014)	--
19-Nov-06	PUF-4	359	0.5	0.0014	0
20-Nov-06	PUF-12	429	7.3	0.017	2
20-Nov-06	PUF-4	414	7.1	0.0171	2
21-Nov-06	PUF-12	413	8.3	0.0201	2
21-Nov-06	PUF-4	421	7.9	0.0188	2
27-Nov-06	PUF-12	445	39.0	0.0876	9
27-Nov-06	PUF-4	374	32.0	0.0856	9
28-Nov-06	PUF-12	448	62.0	0.1384	14
28-Nov-06	PUF-4	390	49.0	0.1256	13
29-Nov-06	PUF-12	465	73.0	0.157 J	16
29-Nov-06	PUF-4	376	2.9	0.0077 J	1
30-Nov-06	PUF-12	431	5.8	0.0135	1
30-Nov-06	PUF-4	384	4.9	0.0128	1
04-Dec-06	PUF-12	386	4.8	0.0124	1
04-Dec-06	PUF-4	372	4.9	0.0132	1
05-Dec-06	PUF-12	458	13.0	0.0284	3
05-Dec-06	PUF-4	442	12.0	0.0271	3
06-Dec-06	PUF-12	452	3.9	0.0086	1

TABLE C 2.7

**STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
06-Dec-06	PUF-4	451	3.2	0.0071	1
07-Dec-06	PUF-12	471	0.0	ND(0.0011)	--
07-Dec-06	PUF-4	429	0.0	ND(0.0012)	--
11-Dec-06	PUF-12	427	6.5	0.0152	2
11-Dec-06	PUF-4	383	5.5	0.0144	1
13-Dec-06	PUF-12	397	53.0	0.1335	13
13-Dec-06	PUF-4	424	55.0	0.1297	13
14-Dec-06	PUF-12	397	43.0	0.1083	11
14-Dec-06	PUF-4	440	41.0	0.0932	9
15-Dec-06	PUF-12	396	5.7	0.0144	1
15-Dec-06	PUF-4	424	5.3	0.0125	1
16-Dec-06	PUF-12	444	49.0	0.1104	11
16-Dec-06	PUF-4	507	46.0	0.0907	9
18-Dec-06	PUF-12	308	2.1	0.0068	1
18-Dec-06	PUF-4	368	1.9	0.0052	1
19-Dec-06	PUF-12	402	5.5	0.0137	1
19-Dec-06	PUF-4	444	5.5	0.0124	1
20-Dec-06	PUF-12	408	5.9	0.0145	1
20-Dec-06	PUF-4	467	5.1	0.0109	1
02-Jan-07	PUF-12	383	9.6	0.0251	3
02-Jan-07	PUF-4	423	9.2	0.0217	2
03-Jan-07	PUF-12	409	22.0	0.0538	5
03-Jan-07	PUF-4	465	20.0	0.043	4
04-Jan-07	PUF-12	424	31.0	0.0731	7
04-Jan-07	PUF-4	410	28.0	0.0683	7
05-Jan-07	PUF-12	422	9.7	0.023	2
05-Jan-07	PUF-4	422	10.0	0.0237	2
06-Jan-07	PUF-12	487	--	-- U	--
06-Jan-07	PUF-4	469	--	-- U	--
08-Jan-07	PUF-12	349	5.4	0.0155	2
08-Jan-07	PUF-4	348	4.7	0.0135	1
09-Jan-07	PUF-12	455	0.7	0.0015	0
09-Jan-07	PUF-4	426	0.6	0.0014	0
10-Jan-07	PUF-12	427	2.9	0.0068	1
10-Jan-07	PUF-4	426	2.5	0.0059	1
11-Jan-07	PUF-12	431	37.0	0.0858	9
11-Jan-07	PUF-4	416	33.0	0.0793	8
12-Jan-07	PUF-12	433	47.0	0.1085	11
12-Jan-07	PUF-4	403	41.0	0.1017	10

Notes:

- * Results not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.

TABLE C 2.8

**STATION 1B PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
15-Jun-05	PUF-7	308	6.3	0.0205	2
16-Jun-05	PUF-7	345	14.0	0.0406	4
17-Jun-05	PUF-7	385	8.3	0.0216	2
20-Jun-05	PUF-7	343	56.0	0.1633	16
21-Jun-05	PUF-7	376	12.0	0.0319	3
22-Jun-05	PUF-7	361	93.0	0.2576	26
29-Jun-05	PUF-7	411	76.0	0.1849	18
06-Jul-05	PUF-7	314	38.0	0.121	12
13-Jul-05	PUF-7	379	33.0	0.0871 J	9
20-Jul-05	PUF-7	355	20.0	0.0563 J	6
28-Jul-05	PUF-7	348	25.0	0.0718	7
03-Aug-05	PUF-7	365	37.0	0.1014	10
10-Aug-05	PUF-7	337	27.0	0.0801 J	8
17-Aug-05	PUF-7	343	93.0	0.2711	27
02-Nov-05	PUF-7	292	68.0	0.2329	23
09-Nov-05	PUF-7	398	2.0	0.005	0
30-Nov-05	PUF-7	407	11.0	0.027	3
07-Dec-05	PUF-7	373	3.6	0.0097 J	1
21-Dec-05	PUF-7	425	5.1	0.012	1
04-Jan-06	PUF-7	399	2.9	0.0073	1
12-Jan-06	PUF-7	428	24.0	0.0561	6
18-Jan-06	PUF-7	412	6.2	0.015	2
25-Jan-06	PUF-7	355	3.0	0.0085	1
01-Feb-06	PUF-7	364	8.1	0.0223	2
07-Feb-06	PUF-7	357	1.2	0.0034	0
13-Feb-06	PUF-7	414	1.6	0.0039 J	0
20-Feb-06	PUF-7	371	2.2	0.0059	1
27-Feb-06	PUF-7	369	7.8	0.0211	2
06-Mar-06	PUF-7	330	3.4	0.0103	1
15-Mar-06	PUF-7	349	14.0	0.0401 J	4
20-Mar-06	PUF-7	5	*	*	*
29-Mar-06	PUF-7	306	18.0	0.0588	6
10-Apr-06	PUF-7	242	75.0	0.3099	31
11-Apr-06	PUF-7	282	34.0	0.1206	12
20-Apr-06	PUF-16	247	34.0	0.1377	14
01-May-06	PUF-16	247	88.0	0.3563	36
03-May-06	PUF-16	401	520.0	1.2968	130 ⁽¹⁾
12-May-06	PUF-16	347	30.0	0.0865	9
13-May-06	PUF-16	233	*	*	*
16-May-06	PUF-16	448	14.0	0.0312	3
17-May-06	PUF-16	404	7.4	0.0183	2
18-May-06	PUF-16	375	7.7	0.0205	2
19-May-06	PUF-16	410	25.0	0.061	6
22-May-06	PUF-16	410	25.0	0.061	6
23-May-06	PUF-16	343	71.0	0.207	21
24-May-06	PUF-16	421	370.0	0.8789	88
25-May-06	PUF-16	401	170.0	0.4239	42
30-May-06	PUF-16	440	380.0	0.8636	86
31-May-06	PUF-16	418	130.0	0.311	31
01-Jun-06	PUF-16	431	110.0	0.2552	26
02-Jun-06	PUF-16	444	47.0	0.1059	11

TABLE C 2.8

**STATION 1B PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass μg</i>	<i>PCB Concentration μg/m³</i>	<i>Percent Allowable %</i>
05-Jun-06	PUF-16	435	38.0	0.0874	9
06-Jun-06	PUF-16	434	750.0	1.7281	173 ⁽²⁾
07-Jun-06	PUF-16	411	460.0	1.1192	112 ⁽²⁾
08-Jun-06	PUF-16	411	110.0	0.2676	27
09-Jun-06	PUF-16	403	53.0	0.1315	13
10-Jun-06	PUF-16	166	*	*	*
12-Jun-06	PUF-16	508	28.0	0.0551	6
14-Jun-06	PUF-16	370	58.0	0.1568	16
15-Jun-06	PUF-16	412	750.0	1.8204	182 ⁽²⁾
16-Jun-06	PUF-16	390	1300.0	3.3333 J	333 ⁽²⁾
17-Jun-06	PUF-16	474	557.0	1.7511 J	175 ⁽²⁾
19-Jun-06	PUF-16	417	300.0	0.7194	72

Notes:

- * Results not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.
- ⁽¹⁾ Exceedance primarily attributed to stockpile activities at the Zipp Parking Lot
- ⁽²⁾ Exceedance primarily attributed to >50 ppm material placement into the vault and East Plant Excavation

TABLE C 2.9

**STATION 1C PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
21-Jun-06	PUF-16	168	11.0	0.0655	7
22-Jun-06	PUF-16	214	56.0	0.2617	26
23-Jun-06	PUF-16	205	18.0	0.0878	9
24-Jun-06	PUF-16	213	18.0	0.0845	8
26-Jun-06	PUF-16	200	65.0	0.325	32
27-Jun-06	PUF-16	215	18.0	0.0837	8
28-Jun-06	PUF-16	229	56.0	0.2445	24
29-Jun-06	PUF-16	215	52.0	0.2419	24
30-Jun-06	PUF-16	512	240.0	0.4688	47
3-Jul-06	PUF-16	468	6.4	0.0137 J	1
5-Jul-08	PUF-16	369	7.2	0.0195	2
6-Jul-08	PUF-16	475	10.0	0.0211	2
7-Jul-08	PUF-16	403	14.0	0.0347	3
8-Jul-06	PUF-16	470	120.0	0.2553 J	26
10-Jul-06	PUF-16	427	350.0	0.8197	82
17-Jul-06	PUF-16	421	380.0	0.9026	90
18-Jul-06	PUF-16	409	56.0	0.1369	14
19-Jul-06	PUF-16	435	550.0	1.2644	126 ⁽¹⁾
20-Jul-06	PUF-16	425	220.0	0.5176	52
21-Jul-06	PUF-16	391	140.0	0.3581	36
22-Jul-06	PUF-16	525	26.0	0.0495	5
24-Jul-06	PUF-16	386	65.0	0.1684	17
25-Jul-06	PUF-16	424	560.0	1.3208	132 ⁽¹⁾
26-Jul-06	PUF-16	445	42.0	0.0944	9
28-Jul-06	PUF-16	421	59.0	0.1401	14
29-Jul-06	PUF-16	435	210.0	0.4828	48
31-Jul-06	PUF-16	373	520.0	1.3941	139 ⁽¹⁾
1-Aug-06	PUF-16	452	360.0	0.7965	80
2-Aug-06	PUF-16	432	15.0	0.0347	3
3-Aug-06	PUF-16	448	14.0	0.0312	3
4-Aug-06	PUF-16	427	20.0	0.0468	5
5-Aug-06	PUF-16	505	37.0	0.0733	7
7-Aug-06	PUF-16	436	24.0	0.055	6
8-Aug-06	PUF-16	356	73.0	0.2051	21
9-Aug-06	PUF-16	432	140.0	0.3241	32
10-Aug-06	PUF-16	422	91.0	0.2156	22
11-Aug-06	PUF-16	431	19.0	0.0441	4
12-Aug-06	PUF-16	514	26.0	0.0506	5
14-Aug-06	PUF-16	435	15.0	0.0345	3
15-Aug-06	PUF-16	440	14.0	0.0318	3
16-Aug-06	PUF-16	430	18.0	0.0419	4
17-Aug-06 - AM setup	PUF-16	215	60.0	0.2791	28 ^(t)
17-Aug-06 - PM setup	PUF-16	221	25.0	0.1131	11 ^(t)
18-Aug-06 - AM setup	PUF-16	204	8.6	0.0422	4 ^(t)
18-Aug-06 - PM setup	PUF-16	232	140.0	0.6034	60 ^(t)
19-Aug-06 - AM setup	PUF-16	196	8.7	0.0444	4 ^(t)
19-Aug-06 - PM setup	PUF-16	217	23.0	0.106	11 ^(t)
21-Aug-06	PUF-16	487	36.0	0.0739	7
22-Aug-06	PUF-16	464	18.0	0.0388	4
23-Aug-06	PUF-16	467	69.0	0.1478	15
24-Aug-06	PUF-16	423	150.0	0.3546	35
25-Aug-06	PUF-16	426	220.0	0.5164 J	52
26-Aug-06	PUF-16	524	220.0	0.4198	42
29-Aug-06	PUF-16	418	12.0	0.0287	3
30-Aug-06	PUF-16	450	29.0	0.0644	6
31-Aug-06	PUF-16	467	5.2	0.0111	1
5-Sep-06	PUF-16	412	11.0	0.0267	3

TABLE C 2.9

**STATION 1C PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
6-Sep-06	PUF-16	422	45.0	0.1066	11
7-Sep-06	PUF-16	450	110.0	0.2444	24
8-Sep-06	PUF-16	492	110.0	0.2236	22
9-Sep-06	PUF-16	543	110.0	0.2026	20
11-Sep-06	PUF-16	499	380.0	0.7615	76
14-Sep-06	PUF-16	481	23.0	0.0478	5
15-Sep-06	PUF-16	538	120.0	0.223	22
16-Sep-06	PUF-16	487	340.0	0.6982	70
18-Sep-06	PUF-16	454	7.9	0.0174	2
19-Sep-06	PUF-16	469	4.4	0.0094	1
20-Sep-06	PUF-16	470	21.0	0.0447	4
21-Sep-06	PUF-16	477	180.0	0.3774	38
25-Sep-06	PUF-16	472	16.0	0.0339	3
26-Sep-06	PUF-16	485	180.0	0.3711	37
27-Sep-06	PUF-16	441	14.0	0.0317	3
28-Sep-06	PUF-16	495	13.0	0.0263	3
29-Sep-06	PUF-16	465	72.0	0.1548	15
30-Sep-06	PUF-16	538	11.0	0.0204	2
2-Oct-06	PUF-16	500	140.0	0.28	28
4-Oct-06	PUF-16	436	12.0	0.0275	3
5-Oct-06	PUF-16	443	2.6	0.0059	1
6-Oct-06	PUF-16	422	10.0	0.0237	2
7-Oct-06	PUF-16	529	27.0	0.051	5
9-Oct-06	PUF-16	412	87.0	0.2112	21
10-Oct-06	PUF-16	439	170.0	0.3872	39
11-Oct-06	PUF-16	411	3.9	0.0095	1
12-Oct-06	PUF-16	410	1.5	0.0037	0
13-Oct-06	PUF-16	455	1.5	0.0033	0
14-Oct-06	PUF-16	449	11.0	0.0245	2
16-Oct-06	PUF-16	447	110.0	0.2461	25
17-Oct-06	PUF-16	421	45.0	0.1069	11
18-Oct-06	PUF-16	466	200.0	0.4292	43
19-Oct-06	PUF-16	447	2.4	0.0054	1
20-Oct-06	PUF-16	476	37.0	0.0777	8
21-Oct-06	PUF-16	511	91.0	0.1781	18
23-Oct-06	PUF-16	466	1.5	0.0032	0
24-Oct-06	PUF-16	463	8.6	0.0186	2
25-Oct-06	PUF-16	498	74.0	0.1486	15
26-Oct-06	PUF-16	450	99.0	0.22	22
27-Oct-06	PUF-16	460	13.0	0.0283	3
28-Oct-06	PUF-16	475	2.3	0.0048	0
30-Oct-06	PUF-16	436	12.0	0.0275	3
31-Oct-06	PUF-16	456	3.8	0.0083	1
1-Nov-06	PUF-16	449	1.2	0.0027	0
2-Nov-06	PUF-16	484	5.3	0.011	1
3-Nov-06	PUF-16	483	28.0	0.058	6
4-Nov-06	PUF-16	524	89.0	0.1698	17
6-Nov-06	PUF-16	449	96.0	0.2138	21
7-Nov-06	PUF-16	470	68.0	0.1447	14
8-Nov-06	PUF-16	468	78.0	0.1667	17
9-Nov-06	PUF-16	474	130.0	0.2743	27
10-Nov-06	PUF-16	462	49.0	0.1061	11
11-Nov-06	PUF-16	548	1.7	0.0031	0
12-Nov-06	PUF-16	456	32.0	0.0702	7
13-Nov-06	PUF-16	487	38.0	0.078	8
14-Nov-06	PUF-16	480	72.0	0.15	15
15-Nov-06	PUF-16	437	5.7	0.013	1

TABLE C 2.9

**STATION 1C PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
17-Nov-06	PUF-16	512	36.0	0.0703	7
18-Nov-06	PUF-16	452	2.1	0.0046	0
19-Nov-06	PUF-16	338	1.0	0.003	0
20-Nov-06	PUF-16	467	32.0	0.0685	7
21-Nov-06	PUF-16	387	65.0	0.168	17
27-Nov-06	PUF-16	442	150.0	0.3394	34
28-Nov-06	PUF-16	454	150.0	0.3304	33
29-Nov-06	PUF-16	477	140.0	0.2935	29
30-Nov-06	PUF-16	439	4.1	0.0093	1
4-Dec-06	PUF-16	464	0.6	0.0012	0
5-Dec-06	PUF-16	444	27.0	0.0608	6
6-Dec-06	PUF-16	458	1.2	0.0026	0
7-Dec-06	PUF-16	488	0.0	ND(0.001)	0
11-Dec-06	PUF-16	433	160.0	0.3695	37
13-Dec-06	PUF-16	456	7.4	0.0162	2
14-Dec-06	PUF-16	433	5.5	0.0127	1
15-Dec-06	PUF-16	438	25.0	0.0571	6
16-Dec-06	PUF-16	485	59.0	0.1216	12
18-Dec-06	PUF-16	422	3.0	0.0071	1
19-Dec-06	PUF-16	430	27.0	0.0628	6
20-Dec-06	PUF-16	455	35.0	0.0769	8
2-Jan-07	PUF-16	395	39.0	0.0987	10
3-Jan-07	PUF-16	444	17.0	0.0383	4
4-Jan-07	PUF-16	463	38.0	0.0821	8
5-Jan-07	PUF-16	435	23.0	0.0529	5
6-Jan-07	PUF-16	527	9.6	0.0182	2
8-Jan-07	PUF-16	388	0.9	0.0023	0
9-Jan-07	PUF-16	425	0.0	ND(0.0012)	0
10-Jan-07	PUF-16	448	19.0	0.0424	4
11-Jan-07	PUF-16	434	6.0	0.0138	1
12-Jan-07	PUF-16	469	9.7	0.0207	2
17-Jan-07	PUF-16	428	25.0	0.0584	6
26-Jan-07	PUF-16	468	1.3	0.0028	0
29-Jan-07	PUF-16	455	0.7	0.0016	0
31-Jan-07	PUF-16	355	0.8	0.0022	0
16-Feb-07	PUF-16	382	1.2	0.0031	0
19-Feb-07	PUF-16	397	1.2	0.003	0
21-Feb-07	PUF-16	384	19.0	0.0495	5
7-May-07	PUF-16	412	110.0	0.267	27
21-May-07	PUF-16	440	20.0	0.0455	5
30-May-07	PUF-16	438	61.0	0.1393	14
18-Jun-07	PUF-16	423	90.0	0.2128	21
26-Jun-07	PUF-16	421	41.0	0.0974	10
9-Jul-07	PUF-16	373	44.0	0.118	12
16-Jul-07	PUF-16	359	24.0	0.0669	7
5-Sep-07	PUF-16	379	52.0	0.1372	14
11-Sep-07	PUF-16	432	5.6	0.013	1
18-Sep-07	PUF-16	442	48.0	0.1086	11
24-Sep-07	PUF-16	447	38.0	0.085	8
1-Oct-07	PUF-16	452	43.0	0.0951	10
15-Oct-07	PUF-16	454	36.0	0.0793	8
15-Nov-07	PUF-16	444	1.2	0.0027	0
26-Feb-08	PUF-16	455	0.0	ND(0.0011)	0
5-Mar-08	PUF-16	455	3.4	0.0075	1
20-Mar-08	PUF-16	440	7.8	0.0177	2
26-Mar-08	PUF-16	428	6.0	0.014	1
3-Apr-08	PUF-16	471	6.4	0.0136	1

TABLE C 2.9

**STATION 1C PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
24-Apr-08	PUF-16	452	44.0	0.0973	10
1-May-08	PUF-16	414	5.0	0.0121	1
6-May-08	PUF-16	423	7.0	0.0165	2
4-Jun-08	PUF-16	401	29.0	0.0723 J	7
12-Jun-08	PUF-16	411	56.0	0.1363	14
06-Aug-08	PUF-16	459	3.1	0.0068	1
07-Aug-08	PUF-16	438	2.4	0.0055	1
08-Aug-08	PUF-16	454	6.1	0.0134	1
11-Aug-08	PUF-16	438	3.8	0.0087	1
12-Aug-08	PUF-16	439	5	0.0114	1
13-Aug-08	PUF-16	443	4.8	0.0108	1
14-Aug-08	PUF-16	454	3.6	0.0079	1
15-Aug-08	PUF-16	443	3	0.0068	1
18-Aug-08	PUF-16	488	5.4	0.0111	1
19-Aug-08	PUF-16	425	5.7	0.0134	1
20-Aug-08	PUF-16	441	4.8	0.0109	1
21-Aug-08	PUF-16	435	30	0.069	7
22-Aug-08	PUF-16	460	14	0.0304	3
23-Aug-08	PUF-16	478	6	0.0126	1
25-Aug-08	PUF-16	421	1.3	0.0031	0
26-Aug-08	PUF-16	406	1.5	0.0037	0
27-Aug-08	PUF-16	442	9.9	0.0224	2
05-Sep-08	PUF-16	476	1.2	0.0025	0
06-Sep-08	PUF-16	392	6.3	0.0161	2
08-Sep-08	PUF-16	456	14	0.0307	3
10-Sep-08	PUF-16	468	18	0.0385	4
11-Sep-08	PUF-16	442	24	0.0543	5
13-Sep-08	PUF-16	516	7.2	0.014	1
16-Sep-08	PUF-16	453	3.2	0.0071	1
17-Sep-08	PUF-16	461	5.5	0.0119	1
18-Sep-08	PUF-16	457	6.7	0.0147	1
19-Sep-08	PUF-16	527	18	0.0342	3
22-Sep-08	PUF-16	432	15	0.0347	3
23-Sep-08	PUF-16	439	15	0.0342	3
24-Sep-08	PUF-16	449	18	0.0401	4
25-Sep-08	PUF-16	450	3.4	0.0076	1
26-Sep-08	PUF-16	485	2.4	0.0049	0
27-Sep-08	PUF-16	559	9.7	0.0174	2
29-Sep-08	PUF-16	437	4.1	0.0094	1
30-Sep-08	PUF-16	124	*	*	*
1-Oct-08	PUF-16	476	1.8	0.0038	0
2-Oct-08	PUF-16	432	2.4	0.0056	1
3-Oct-08	PUF-16	406	4.8	0.0118	1

Notes:

- * Results not reported due to machine malfunction
- J Estimated result. Results if less than the reporting limit.
- NR No result because machine was not setup
- ([†]) Result is based on a sampling time of 12 hours
- (¹) Exceedance primarily attributed to >50 ppm soil placement into the vault.

TABLE C 2.10

STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
01-Oct-04	PUF-12	282	6.1	0.0216	2
02-Oct-04	PUF-12	372	1.9	0.0051	1
04-Oct-04	PUF-12	391	1.5	0.0038	0
05-Oct-04	PUF-12	408	7.0	0.0172	2
06-Oct-04	PUF-12	351	11.0	0.0313	3
07-Oct-04	PUF-12	312	9.0	0.0288	3
08-Oct-04	PUF-12	444	17.0	0.0383	4
11-Oct-04	PUF-12	384	2.0	0.0052	1
12-Oct-04	PUF-12	368	4.0	0.0109	1
13-Oct-04	PUF-12	407	1.3	0.0032	0
14-Oct-04	PUF-12	355	1.0	0.0028 J	0
21-Oct-04	PUF-12	422	0.0	ND(0.0284)	--
26-Oct-04	PUF-12	403	3.8	0.0094	1
27-Oct-04	PUF-12	390	1.3	0.0033	0
28-Oct-04	PUF-12	391	7.1	0.0182	2
29-Oct-04	PUF-12	519	8.9	0.0171	2
01-Nov-04	PUF-12	307	5.0	0.0163	2
02-Nov-04	PUF-12	272	0.7	0.0025 J	0
03-Nov-04	PUF-12	380	0.9	0.0024	0
04-Nov-04	PUF-12	392	0.0	--	--
05-Nov-04	PUF-12	540	2.8	0.0052	1
08-Nov-04	PUF-12	449	7.3	0.0163	2
09-Nov-04	PUF-12	315	5.9	0.0187	2
09-Nov-04	PUF-4	292	5.8	0.0199	2
10-Nov-04	PUF-12	387	5.7	0.0147	1
10-Nov-04	PUF-4	387	5.5	0.0142	1
11-Nov-04	PUF-12	339	1.2	0.0035	0
11-Nov-04	PUF-4	339	0.8	0.0025	0
12-Nov-04	PUF-12	496	0.6	0.0012 J	0
12-Nov-04	PUF-4	496	0.7	0.0014 J	0
15-Nov-04	PUF-12	410	13.0	0.0317	3
15-Nov-04	PUF-4	407	13.0	0.0319	3
16-Nov-04	PUF-12	392	14.0	0.0357	4
16-Nov-04	PUF-4	408	14.0	0.0343	3
19-Nov-04	PUF-12	451	5.5	0.0122	1
19-Nov-04	PUF-4	468	5.7	0.0122	1
06-Dec-04	PUF-12	370	8.3	0.0224	2
06-Dec-04	PUF-4	370	4.0	0.0108	1
13-Dec-04	PUF-12	404	0.0	ND(0.0019)	--
13-Dec-04	PUF-4	404	0.0	ND(0.0019)	--
04-Jan-05	PUF-12	391	2.6	0.0066	1
04-Jan-05	PUF-4	405	2.7	0.0067	1
18-Jan-05	PUF-12	431	1.2	0.0028	0
18-Jan-05	PUF-4	416	0.8	0.0019	0
31-Jan-05	PUF-12	424	7.2	0.017	2
08-Feb-05	PUF-12	402	1.1	0.0027	0
16-Feb-05	PUF-12	413	0.0	ND(0.0018)	--
22-Feb-05	PUF-12	429	0.0	ND(0.0017)	--
02-Mar-05	PUF-12	350	1.5	0.0043	0
16-Mar-05	PUF-12	412	6.0	0.0146	1
24-Mar-05	PUF-12	395	3.1	0.0078	1
13-Apr-05	PUF-12	353	2.7	0.0076	1
25-May-05	PUF-12	340	13.0	0.0382	4

TABLE C 2.10

STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
25-May-05	PUF-4	243	16.0	0.0658	7
01-Jun-05	PUF-12	319	3.8	0.0119	1
01-Jun-05	PUF-4	235	4.3	0.0183	2
09-Jun-05	PUF-12	328	14.0	0.0427	4
09-Jun-05	PUF-4	228	19.0	0.0833	8
15-Jun-05	PUF-12	306	2.5	0.0082	1
15-Jun-05	PUF-4	236	2.8	0.0119	1
16-Jun-05	PUF-12	224	3.9	0.0174	2
16-Jun-05	PUF-4	171	5.1	0.0298	3
17-Jun-05	PUF-12	312	3.6	0.0115	1
17-Jun-05	PUF-4	237	3.6	0.0152	2
20-Jun-05	PUF-12	318	15.0	0.0472	5
20-Jun-05	PUF-4	249	16.0	0.0643	6
21-Jun-05	PUF-12	277	7.2	0.026	3
21-Jun-05	PUF-4	316	7.3	0.0231	2
22-Jun-05	PUF-12	311	14.0	0.045	4
22-Jun-05	PUF-4	354	14.0	0.0395	4
29-Jun-05	PUF-12	325	21.0	0.0646	6
06-Jul-05	PUF-12	304	7.7	0.0253	3
13-Jul-05	PUF-12	300	2.8	0.0093	1
13-Jul-05	PUF-4	342	3.0	0.0088	1
20-Jul-05	PUF-12	320	14.0	0.0438	4
20-Jul-05	PUF-4	334	17.0	0.0509	5
28-Jul-05	PUF-12	165	1.9	0.0115	1
28-Jul-05	PUF-4	180	1.5	0.0083	1
03-Aug-05	PUF-12	319	19.0	0.0596	6
03-Aug-05	PUF-4	348	22.0	0.0632	6
10-Aug-05	PUF-12	307	12.0	0.0391	4
10-Aug-05	PUF-4	321	13.0	0.0405	4
17-Aug-05	PUF-12	0	0.0	ND()	
17-Aug-05	PUF-4	1	0.0	ND(0.75)	--
24-Aug-05	PUF-12	150	1.0	0.0067	1
24-Aug-05	PUF-4	131	1.1	0.0084	1
01-Sep-05	PUF-12	2	0.0	ND(0.375)	--
01-Sep-05	PUF-4	2	0.0	ND(0.375)	--
08-Sep-05	PUF-12	238	32.0	0.1345	13
08-Sep-05	PUF-4	216	29.0	0.1343	13
14-Sep-05	PUF-12	3	0.0	ND(0.25)	--
14-Sep-05	PUF-4	2	0.0	ND(0.375)	--
12-Oct-05	PUF-12	387	21.0	0.0543	5
12-Oct-05	PUF-4	318	22.0	0.0692	7
26-Oct-05	PUF-12	371	8.9	0.024	2
26-Oct-05	PUF-4	314	8.5	0.0271	3
02-Nov-05	PUF-12	323	17.0	0.0526	5
02-Nov-05	PUF-4	308	15.0	0.0487	5
09-Nov-05	PUF-12	364	0.8	0.0021	0
09-Nov-05	PUF-4	320	0.7	0.0023	0
30-Nov-05	PUF-12	332	2.0	0.006	1
30-Nov-05	PUF-4	293	2.2	0.0075	1
07-Dec-05	PUF-12	409	0.9	0.0023 J	0
07-Dec-05	PUF-4	366	0.8	0.0021 J	0
21-Dec-05	PUF-12	450	2.7	0.006	1
21-Dec-05	PUF-4	434	2.6	0.006	1

TABLE C 2.10

STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
04-Jan-06	PUF-12	397	0.0	ND(0.0019)	--
04-Jan-06	PUF-4	411	0.0	ND(0.0018)	--
12-Jan-06	PUF-12	481	5.5	0.0114	1
12-Jan-06	PUF-4	531	5.3	0.01 J	1
18-Jan-06	PUF-12	368	1.0	0.0027	0
18-Jan-06	PUF-4	420	1.0	0.0023	0
25-Jan-06	PUF-12	448	2.4	0.0054	1
25-Jan-06	PUF-4	418	2.9	0.0069	1
01-Feb-06	PUF-12	469	12.0	0.0256	3
01-Feb-06	PUF-4	466	13.0	0.0279	3
07-Feb-06	PUF-12	353	0.8	0.0022	0
07-Feb-06	PUF-4	367	1.0	0.0026	0
13-Feb-06	PUF-12	379	5.5	0.0145	1
13-Feb-06	PUF-4	452	6.4	0.0142	1
20-Feb-06	PUF-12	421	1.7	0.004	0
27-Feb-06	PUF-12	360	6.6	0.0183	2
27-Feb-06	PUF-4	402	6.1	0.0152	2
06-Mar-06	PUF-12	341	2.0	0.0059	1
06-Mar-06	PUF-4	399	2.3	0.0058 J	1
15-Mar-06	PUF-12	395	4.7	0.0119 J	1
15-Mar-06	PUF-4	381	4.7	0.0123 J	1
20-Mar-06	PUF-12	415	2.5	0.006	1
20-Mar-06	PUF-4	401	0.0	ND(0.0019)	--
29-Mar-06	PUF-12	411	5.0	0.0122	1
29-Mar-06	PUF-4	396	5.2	0.0131	1
10-Apr-06	PUF-12	406	4.6	0.0113	1
10-Apr-06	PUF-4	349	4.3	0.0123	1
11-Apr-06	PUF-12	429	11.0	0.0256	3
11-Apr-06	PUF-4	0			
02-May-06	PUF-12	466	14.0	0.03	3
02-May-06	PUF-4	453	13.0	0.0287	3
03-May-06	PUF-12	129	15.0	0.1163	12
03-May-06	PUF-4	429	34.0	0.0793	8
19-May-06	PUF-12	267	4.5	0.0169	2
19-May-06	PUF-4	454	4.5	0.0099	1
22-May-06	PUF-12	207	3.9	0.0188	2
22-May-06	PUF-4	386	3.9	0.0101	1
23-May-06	PUF-12	188	5.8	0.0309	3
23-May-06	PUF-4	433	6.3	0.0145	1
24-May-06	PUF-12	204	9.7	0.0475	5
24-May-06	PUF-4	340	9.2	0.0271	3
25-May-06	PUF-12	217	24.0	0.1106	11
25-May-06	PUF-4	393	23.0	0.0585	6
30-May-06	PUF-12	231	15.0	0.0649	6
30-May-06	PUF-4	419	14.0	0.0334	3
31-May-06	PUF-12	236	8.1	0.0343	3
31-May-06	PUF-4	427	7.5	0.0176	2
01-Jun-06	PUF-12	222	8.8	0.0396	4
01-Jun-06	PUF-4	402	9.7	0.0241 J	2
02-Jun-06	PUF-12	423	11.0	0.026	3
02-Jun-06	PUF-4	396	11.0	0.0278	3
05-Jun-06	PUF-12	422	9.3	0.022 J	2
05-Jun-06	PUF-4	436	9.1	0.0209 J	2

TABLE C 2.10

STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
06-Jun-06	PUF-12	441	20.0	0.0454 J	5
06-Jun-06	PUF-4	426	19.0	0.0446 J	4
07-Jun-06	PUF-12	339	12.0	0.0354	4
07-Jun-06	PUF-4	0			
08-Jun-06	PUF-12	385	14.0	0.0364	4
08-Jun-06	PUF-4	379	18.0	0.0475	5
09-Jun-06	PUF-12	407	6.0	0.0147	1
09-Jun-06	PUF-4	377	6.2	0.0164	2
10-Jun-06	PUF-12	403	2.6	0.0065 J	1
10-Jun-06	PUF-4	378	0.7	0.0018 J	0
12-Jun-06	PUF-12	435	3.3	0.0076	1
14-Jun-06	PUF-12	392	8.5	0.0217	2
14-Jun-06	PUF-4	417	8.9	0.0213	2
15-Jun-06	PUF-12	387	7.2	0.0186	2
15-Jun-06	PUF-4	417	6.0	0.0144	1
16-Jun-06	PUF-12	368	12.0	0.0326 J	3
16-Jun-06	PUF-4	424	13.0	0.0307 J	3
17-Jun-06	PUF-12	406	33.0	0.0813 J	8
17-Jun-06	PUF-4	468	32.0	0.0684 J	7
19-Jun-06	PUF-12	367	11.0	0.03	3
19-Jun-06	PUF-4	423	12.0	0.0284	3
20-Jun-06	PUF-12	374	330.0	0.8824 J	88
20-Jun-06	PUF-4	417	19.0	0.0456 J	5
21-Jun-06	PUF-12	369	72.0	0.1951	20
21-Jun-06	PUF-4	412	71.0	0.1723	17
22-Jun-06	PUF-12	371	9.7	0.0261	3
22-Jun-06	PUF-4	428	9.5	0.0222	2
23-Jun-06	PUF-12	367	6.0	0.0163	2
23-Jun-06	PUF-4	425	5.9	0.0139	1
24-Jun-06	PUF-4	435	6.7	0.0154	2
26-Jun-06	PUF-12	432	8.3	0.0192	2
26-Jun-06	PUF-4	424	7.9	0.0186	2
27-Jun-06	PUF-12	426	7.1	0.0167	2
27-Jun-06	PUF-4	397	7.4	0.0186	2
28-Jun-06	PUF-12	435	8.3	0.0191	2
28-Jun-06	PUF-4	404	8.8	0.0218	2
29-Jun-06	PUF-12	451	7.5	0.0166	2
29-Jun-06	PUF-4	421	7.3	0.0173	2
30-Jun-06	PUF-12	437	11.0	0.0252	3
30-Jun-06	PUF-4	407	11.0	0.027	3
03-Jul-06	PUF-12	426	31.0	0.0728	7
03-Jul-06	PUF-4	477	31.0	0.065	6
05-Jul-06	PUF-12	271	1.9	0.007	1
05-Jul-06	PUF-4	428	3.2	0.0075	1
06-Jul-06	PUF-12	208	2.4	0.0115	1
06-Jul-06	PUF-4	431	3.9	0.009	1
07-Jul-06	PUF-12	353	4.8	0.0136	1
07-Jul-06	PUF-4	420	4.2	0.01	1
08-Jul-06	PUF-12	467	5.3	0.0113 J	1
08-Jul-06	PUF-4	437	6.1	0.014 J	1
10-Jul-06	PUF-12	436	45.0	0.1032	10
10-Jul-06	PUF-4	379	46.0	0.1214	12
17-Jul-06	PUF-12	430	22.0	0.0512	5

TABLE C 2.10

**STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
17-Jul-06	PUF-4	401	24.0	0.0599	6
18-Jul-06	PUF-12	407	8.9	0.0219	2
18-Jul-06	PUF-4	379	11.0	0.029	3
19-Jul-06	PUF-12	421	10.0	0.0238	2
19-Jul-06	PUF-4	392	12.0	0.0306	3
20-Jul-06	PUF-12	399	18.0	0.0451	5
20-Jul-06	PUF-4	371	19.0	0.0512	5
21-Jul-06	PUF-12	393	15.0	0.0382	4
21-Jul-06	PUF-4	366	15.0	0.041	4
22-Jul-06	PUF-12	507	5.5	0.0108	1
22-Jul-06	PUF-4	473	5.8	0.0123	1
24-Jul-06	PUF-12	364	20.0	0.0549	5
24-Jul-06	PUF-4	351	19.0	0.0541	5
25-Jul-06	PUF-12	415	28.0	0.0675	7
25-Jul-06	PUF-4	372	29.0	0.078	8
26-Jul-06	PUF-12	421	180.0	0.4276	43
26-Jul-06	PUF-4	422	180.0	0.4265	43
28-Jul-06	PUF-12	431	48.0	0.1114	11
28-Jul-06	PUF-4	418	50.0	0.1196	12
29-Jul-06	PUF-12	433	24.0	0.0554	6
29-Jul-06	PUF-4	417	24.0	0.0576	6
31-Jul-06	PUF-12	412	36.0	0.0874	9
31-Jul-06	PUF-4	384	44.0	0.1146	11
01-Aug-06	PUF-12	450	53.0	0.1178	12
01-Aug-06	PUF-4	421	61.0	0.1449	14
02-Aug-06	PUF-12	466	120.0	0.2575	26
02-Aug-06	PUF-4	436	130.0	0.2982	30
03-Aug-06	PUF-12	429	14.0	0.0326	3
03-Aug-06	PUF-4	429	14.0	0.0326	3
04-Aug-06	PUF-12	430	9.3	0.0216	2
04-Aug-06	PUF-4	387	8.2	0.0212	2
05-Aug-06	PUF-12	489	22.0	0.045 J	4
05-Aug-06	PUF-4	458	47.6	0.1004 J	10
07-Aug-06	PUF-12	462	9.3	0.0201	2
07-Aug-06	PUF-4	462	9.9	0.0214	2
08-Aug-06	PUF-12	382	10.0	0.0262	3
08-Aug-06	PUF-4	359	9.3	0.0259	3
09-Aug-06	PUF-12	452	20.0	0.0442	4
09-Aug-06	PUF-4	424	19.0	0.0448	4
10-Aug-06	PUF-12	426	19.0	0.0446	4
10-Aug-06	PUF-4	427	18.0	0.0422	4
11-Aug-06	PUF-12	460	5.5	0.012	1
11-Aug-06	PUF-4	446	5.0	0.0112	1
12-Aug-06	PUF-12	523	6.7	0.0128	1
12-Aug-06	PUF-4	506	6.2	0.0123	1
14-Aug-06	PUF-12	411	12.0	0.0292	3
14-Aug-06	PUF-4	418	8.6	0.0206	2
15-Aug-06	PUF-4	425	8.1	0.0191	2
16-Aug-06	PUF-12	359	7.0	0.0195	2
16-Aug-06	PUF-4	333	6.2	0.0186	2
17-Aug-06	PUF-12	412	11.0	0.267 J	27
17-Aug-06	PUF-4	412	1.3	0.0032 J	0
18-Aug-06	PUF-12	426	14.0	0.0329	3

TABLE C 2.10

**STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
18-Aug-06	PUF-4	413	12.0	0.0291	3
19-Aug-06	PUF-12	383	8.8	0.023	2
19-Aug-06	PUF-4	396	9.3	0.0235	2
21-Aug-06	PUF-12	440	7.2	0.0164	2
21-Aug-06	PUF-4	426	6.5	0.0153	2
22-Aug-06	PUF-12	418	8.3	0.0199	2
22-Aug-06	PUF-4	416	8.9	0.0214	2
23-Aug-06	PUF-12	450	16.0	0.0356	4
23-Aug-06	PUF-4	449	16.0	0.0356	4
24-Aug-06	PUF-12	443	13.0	0.0293	3
24-Aug-06	PUF-4	414	13.0	0.0314	3
25-Aug-06	PUF-12	457	25.0	0.0547	5
25-Aug-06	PUF-4	427	23.0	0.0539	5
26-Aug-06	PUF-12	515	14.0	0.0272	3
26-Aug-06	PUF-4	465	12.0	0.0258	3
29-Aug-06	PUF-12	432	3.9	0.009	1
29-Aug-06	PUF-4	419	3.8	0.0091	1
30-Aug-06	PUF-12	448	3.4	0.0076	1
30-Aug-06	PUF-4	404	3.4	0.0084	1
31-Aug-06	PUF-12	449	1.6	0.0036 J	0
31-Aug-06	PUF-4	376	0.6	0.0016 J	0
05-Sep-06	PUF-12	420	4.1	0.0098	1
06-Sep-06	PUF-12	416	9.8	0.0236	2
06-Sep-06	PUF-4	347	9.3	0.0268	3
07-Sep-06	PUF-12	406	9.0	0.0222	2
07-Sep-06	PUF-4	397	8.8	0.0222	2
08-Sep-06	PUF-12	434	18.0	0.0415	4
08-Sep-06	PUF-4	449	17.0	0.0379	4
09-Sep-06	PUF-12	468	17.0	0.0363	4
09-Sep-06	PUF-4	502	15.0	0.0299 J	3
11-Sep-06	PUF-12	424	14.0	0.033	3
11-Sep-06	PUF-4	427	16.0	0.0375	4
14-Sep-06	PUF-12	442	7.8	0.0176	2
14-Sep-06	PUF-4	455	11.0	0.0242	2
15-Sep-06	PUF-12	435	8.8	0.0202	2
15-Sep-06	PUF-4	404	8.7	0.0215	2
16-Sep-06	PUF-12	454	10.0	0.022	2
16-Sep-06	PUF-4	485	11.0	0.0227	2
18-Sep-06	PUF-12	429	3.0	0.007	1
18-Sep-06	PUF-4	458	2.9	0.0063	1
19-Sep-06	PUF-12	429	1.0	0.0023	0
19-Sep-06	PUF-4	442	1.0	0.0023	0
20-Sep-06	PUF-12	432	3.4	0.0079	1
20-Sep-06	PUF-4	462	3.7	0.008	1
21-Sep-06	PUF-12	424	2.3	0.0054	1
21-Sep-06	PUF-4	436	2.2	0.005	0
25-Sep-06	PUF-12	424	8.8	0.0208	2
25-Sep-06	PUF-4	437	9.2	0.0211	2
26-Sep-06	PUF-12	419	15.0	0.0358	4
26-Sep-06	PUF-4	434	15.0	0.0346	3
27-Sep-06	PUF-12	425	28.0	0.0659	7
27-Sep-06	PUF-4	411	26.0	0.0633	6
28-Sep-06	PUF-12	460	3.8	0.0083	1

TABLE C 2.10

**STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
28-Sep-06	PUF-4	459	3.8	0.0083	1
29-Sep-06	PUF-12	420	18.0	0.0429	4
29-Sep-06	PUF-4	433	17.0	0.0393	4
30-Sep-06	PUF-12	475	17.0	0.0358	4
30-Sep-06	PUF-4	490	18.0	0.0367	4
02-Oct-06	PUF-12	403	25.0	0.062	6
02-Oct-06	PUF-4	431	23.0	0.0534	5
04-Oct-06	PUF-12	418	26.0	0.0622	6
04-Oct-06	PUF-4	432	24.0	0.0556	6
05-Oct-06	PUF-12	456	1.4	0.0031	0
05-Oct-06	PUF-4	456	1.6	0.0035	0
06-Oct-06	PUF-12	418	2.9	0.0069	1
06-Oct-06	PUF-4	417	3.1	0.0074	1
07-Oct-06	PUF-12	495	7.5	0.0152	2
07-Oct-06	PUF-4	444	7.1	0.016	2
09-Oct-06	PUF-12	401	20.0	0.0499	5
09-Oct-06	PUF-4	371	17.0	0.0458	5
10-Oct-06	PUF-12	408	34.0	0.0833	8
10-Oct-06	PUF-4	365	30.0	0.0822	8
11-Oct-06	PUF-12	398	22.0	0.0553	6
11-Oct-06	PUF-4	341	22.0	0.0645	6
12-Oct-06	PUF-12	403	5.0	0.0124	1
12-Oct-06	PUF-4	375	5.9	0.0157	2
13-Oct-06	PUF-12	410	4.0	0.0098	1
13-Oct-06	PUF-4	366	4.1	0.0112	1
14-Oct-06	PUF-12	381	3.5	0.0092	1
14-Oct-06	PUF-4	340	3.6	0.0106	1
16-Oct-06	PUF-12	404	12.0	0.0297	3
16-Oct-06	PUF-4	347	11.0	0.0317	3
17-Oct-06	PUF-12	411	7.5	0.0182	2
17-Oct-06	PUF-4	341	7.8	0.0229	2
18-Oct-06	PUF-12	478	12.0	0.0251	3
18-Oct-06	PUF-4	363	11.0	0.0303	3
19-Oct-06	PUF-12	463	0.6	0.0013	0
19-Oct-06	PUF-4	336	0.0	ND(0.0015)	--
20-Oct-06	PUF-12	495	5.4	0.0109	1
20-Oct-06	PUF-4	375	5.1	0.0136	1
21-Oct-06	PUF-12	505	7.2	0.0143	1
21-Oct-06	PUF-4	399	7.0	0.0175	2
23-Oct-06	PUF-12	495	0.0	ND(0.001)	--
23-Oct-06	PUF-4	393	0.0	ND(0.0013)	--
24-Oct-06	PUF-12	478	6.0	0.0126	1
24-Oct-06	PUF-4	379	6.4	0.0169	2
25-Oct-06	PUF-12	473	15.0	0.0317	3
25-Oct-06	PUF-4	372	17.0	0.0457	5
26-Oct-06	PUF-12	455	7.2	0.0158	2
26-Oct-06	PUF-4	370	8.0	0.0216	2
27-Oct-06	PUF-12	466	4.4	0.0094	1
27-Oct-06	PUF-4	335	4.3	0.0128	1
28-Oct-06	PUF-12	288	1.2	0.0042	0
28-Oct-06	PUF-4	358	1.2	0.0034	0
30-Oct-06	PUF-12	286	50.0	0.1748	17
30-Oct-06	PUF-4	373	49.0	0.1314	13

TABLE C.2.10

STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
31-Oct-06	PUF-12	291	4.0	0.0137	1
31-Oct-06	PUF-4	391	3.3	0.0084	1
01-Nov-06	PUF-12	299	0.8	0.0027	0
01-Nov-06	PUF-4	384	0.7	0.0018	0
02-Nov-06	PUF-12	299	4.5	0.0151	2
02-Nov-06	PUF-4	384	4.7	0.0122	1
03-Nov-06	PUF-12	315	6.2	0.0197	2
03-Nov-06	PUF-4	419	7.1	0.0169	2
04-Nov-06	PUF-12	307	7.0	0.0228	2
04-Nov-06	PUF-4	444	6.7	0.0151	2
06-Nov-06	PUF-12	298	8.5	0.0285	3
06-Nov-06	PUF-4	416	9.6	0.0231	2
07-Nov-06	PUF-12	290	5.0	0.0172	2
07-Nov-06	PUF-4	405	5.5	0.0136	1
08-Nov-06	PUF-12	269	15.0	0.0558	6
08-Nov-06	PUF-4	389	16.0	0.0411	4
09-Nov-06	PUF-12	299	79.0	0.2642	26
09-Nov-06	PUF-4	419	77.0	0.1838	18
10-Nov-06	PUF-12	474	38.0	0.0802	8
10-Nov-06	PUF-4	458	38.0	0.083	8
11-Nov-06	PUF-12	515	0.9	0.0017	0
11-Nov-06	PUF-4	499	0.6	0.0012	0
12-Nov-06	PUF-12	436	2.5	0.0057	1
12-Nov-06	PUF-4	410	2.6	0.0063	1
13-Nov-06	PUF-12	471	7.1	0.0151	2
13-Nov-06	PUF-4	457	7.5	0.0164	2
14-Nov-06	PUF-12	433	3.2	0.0074	1
14-Nov-06	PUF-4	434	3.3	0.0076	1
15-Nov-06	PUF-12	244	0.9	0.0037	0
15-Nov-06	PUF-4	196	0.6	0.0031	0
17-Nov-06	PUF-12	446	5.1	0.0114	1
17-Nov-06	PUF-4	417	5.2	0.0125	1
18-Nov-06	PUF-12	511	0.8	0.0016	0
18-Nov-06	PUF-4	513	0.7	0.0014	0
19-Nov-06	PUF-12	361	0.0	ND(0.0014)	--
19-Nov-06	PUF-4	359	0.5	0.0014	0
20-Nov-06	PUF-12	429	7.3	0.017	2
20-Nov-06	PUF-4	414	7.1	0.0171	2
21-Nov-06	PUF-12	413	8.3	0.0201	2
21-Nov-06	PUF-4	421	7.9	0.0188	2
27-Nov-06	PUF-12	445	39.0	0.0876	9
27-Nov-06	PUF-4	374	32.0	0.0856	9
28-Nov-06	PUF-12	448	62.0	0.1384	14
28-Nov-06	PUF-4	390	49.0	0.1256	13
29-Nov-06	PUF-12	465	73.0	0.157 J	16
29-Nov-06	PUF-4	376	2.9	0.0077 J	1
30-Nov-06	PUF-12	431	5.8	0.0135	1
30-Nov-06	PUF-4	384	4.9	0.0128	1
04-Dec-06	PUF-12	386	4.8	0.0124	1
04-Dec-06	PUF-4	372	4.9	0.0132	1
05-Dec-06	PUF-12	458	13.0	0.0284	3
05-Dec-06	PUF-4	442	12.0	0.0271	3
06-Dec-06	PUF-12	452	3.9	0.0086	1

TABLE C 2.10

**STATION 14 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
06-Dec-06	PUF-4	451	3.2	0.0071	1
07-Dec-06	PUF-12	471	0.0	ND(0.0011)	--
07-Dec-06	PUF-4	429	0.0	ND(0.0012)	--
11-Dec-06	PUF-12	427	6.5	0.0152	2
11-Dec-06	PUF-4	383	5.5	0.0144	1
13-Dec-06	PUF-12	397	53.0	0.1335	13
13-Dec-06	PUF-4	424	55.0	0.1297	13
14-Dec-06	PUF-12	397	43.0	0.1083	11
14-Dec-06	PUF-4	440	41.0	0.0932	9
15-Dec-06	PUF-12	396	5.7	0.0144	1
15-Dec-06	PUF-4	424	5.3	0.0125	1
16-Dec-06	PUF-12	444	49.0	0.1104	11
16-Dec-06	PUF-4	507	46.0	0.0907	9
18-Dec-06	PUF-12	308	2.1	0.0068	1
18-Dec-06	PUF-4	368	1.9	0.0052	1
19-Dec-06	PUF-12	402	5.5	0.0137	1
19-Dec-06	PUF-4	444	5.5	0.0124	1
20-Dec-06	PUF-12	408	5.9	0.0145	1
20-Dec-06	PUF-4	467	5.1	0.0109	1
02-Jan-07	PUF-12	383	9.6	0.0251	3
02-Jan-07	PUF-4	423	9.2	0.0217	2
03-Jan-07	PUF-12	409	22.0	0.0538	5
03-Jan-07	PUF-4	465	20.0	0.043	4
04-Jan-07	PUF-12	424	31.0	0.0731	7
04-Jan-07	PUF-4	410	28.0	0.0683	7
05-Jan-07	PUF-12	422	9.7	0.023	2
05-Jan-07	PUF-4	422	10.0	0.0237	2
06-Jan-07	PUF-12	487	--	-- U	--
06-Jan-07	PUF-4	469	--	-- U	--
08-Jan-07	PUF-12	349	5.4	0.0155	2
08-Jan-07	PUF-4	348	4.7	0.0135	1
09-Jan-07	PUF-12	455	0.7	0.0015	0
09-Jan-07	PUF-4	426	0.6	0.0014	0
10-Jan-07	PUF-12	427	2.9	0.0068	1
10-Jan-07	PUF-4	426	2.5	0.0059	1
11-Jan-07	PUF-12	431	37.0	0.0858	9
11-Jan-07	PUF-4	416	33.0	0.0793	8
12-Jan-07	PUF-12	433	47.0	0.1085	11
12-Jan-07	PUF-4	403	41.0	0.1017	10

Notes:

- * Results not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.

TABLE C 2.11

**STATION 22B PCB AIR ANALYTICAL RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
3-May-06	PUF-3	130	4.1	0.0315	3
19-May-06	PUF-3	148	22.0	0.1486	15
22-May-06	PUF-3	135	34.0	0.2519	25
23-May-06	PUF-3	124	10.0	0.0806	8
24-May-06	PUF-3	137	12.0	0.0876	9
25-May-06	PUF-3	108	5.9	0.0546	5
30-May-06	PUF-3	141	5.1	0.0362	4
31-May-06	PUF-3	121	29.0	0.2397	24
1-Jun-06	PUF-3	129	41.0	0.3178	32
2-Jun-06	PUF-3	131	120.0	0.916	92
5-Jun-06	PUF-3	146	39.0	0.2671	27
6-Jun-06	PUF-3	132	8.2	0.0621	6
7-Jun-06	PUF-3	128	24.0	0.1875	19
8-Jun-06	PUF-3	131	95.0	0.7252	73
9-Jun-06	PUF-3	125	99.0	0.792	79
10-Jun-06	PUF-3	50	*	*	*
12-Jun-06	PUF-3	139	170.0	1.223	122 ⁽¹⁾
14-Jun-06	PUF-3	107	250.0	2.3364	234 ⁽¹⁾
15-Jun-06	PUF-3	122	13.0	0.1066	11
16-Jun-06	PUF-3	121	15.0	0.124 J	12
17-Jun-06	PUF-3	131	6.5	0.0496 J	5
19-Jun-06	PUF-3	126	21.0	0.1667	17
20-Jun-06	PUF-3	135	34.0	0.2519	25
21-Jun-06	PUF-18	344	7.6	0.0221	2
22-Jun-06	PUF-18	358	170.0	0.4749	47
23-Jun-06	PUF-18	296	310.0	1.0473	105 ⁽¹⁾
24-Jun-06	PUF-18	350	320.0	0.9143	91
26-Jun-06	PUF-18	364	100.0	0.2747	27
27-Jun-06	PUF-18	348	17.0	0.0489	5
28-Jun-06	PUF-18	361	200.0	0.554	55
29-Jun-06	PUF-18	362	190.0	0.5249	52
30-Jun-06	PUF-18	424	20.0	0.0472	5
3-Jul-06	PUF-18	384	10.0	0.026	3
5-Jul-06	PUF-18	336	430.0	1.2798	128 ⁽²⁾
6-Jul-06	PUF-18	405	650.0	1.6049	160 ⁽²⁾
7-Jul-06	PUF-18	340	420.0	1.2353	124 ⁽²⁾
8-Jul-06	PUF-18	360	63.0	0.175 J	18
10-Jul-06	PUF-18	356	8.8	0.0247	2
17-Jul-06	PUF-18	359	280.0	0.7799	78
18-Jul-06	PUF-18	339	730.0	2.1534	215 ⁽²⁾
19-Jul-06	PUF-18	350	300.0	0.8571	86
20-Jul-06	PUF-18	381	220.0	0.5774	58
21-Jul-06	PUF-18	338	270.0	0.7988	80
22-Jul-06	PUF-18	448	670.0	1.4955	150 ⁽²⁾
24-Jul-06	PUF-18	352	93.0	0.2642	26
25-Jul-06	PUF-18	382	21.0	0.055	6
26-Jul-06	PUF-18	378	8.9	0.0235 J	2
28-Jul-06	PUF-18	354	5.2	0.0147	1
29-Jul-06	PUF-18	352	27.0	0.0767	8
31-Jul-06	PUF-18	281	16.0	0.0569	6
1-Aug-06	PUF-18	304	16.0	0.0526	5
2-Aug-06	PUF-18	310	7.9	0.0255	3
3-Aug-06	PUF-18	288	250.0	0.8681 J	87
4-Aug-06	PUF-18	306	790.0	2.5817 J	258 ⁽³⁾
5-Aug-06	PUF-18	349	400.0	1.1461	115 ⁽³⁾
7-Aug-06	PUF-18	312	460.0	1.4744 J	147 ⁽³⁾

TABLE C.2.11

STATION 22B PCB AIR ANALYTICAL RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
8-Aug-06	PUF-18	266	300.0	1.1278	113 ⁽³⁾
9-Aug-06	PUF-18	389	190.0	0.4884	49
10-Aug-06	PUF-18	344	180.0	0.5233	52
11-Aug-06	PUF-18	360	320.0	0.8889 J	89
12-Aug-06	PUF-18	448	390.0	0.8705	87
14-Aug-06	PUF-18	363	170.0	0.4683	47
15-Aug-06	PUF-18	373	390.0	1.0456 J	105 ⁽³⁾
16-Aug-06	PUF-18	348	280.0	0.8046 J	80
17-Aug-06	PUF-18	186	63.0	0.3387	34
17-Aug-06	PUF-18	180	41.0	0.2278	23
18-Aug-06	PUF-18	184	180.0	0.9783	98
18-Aug-06	PUF-18	199	27.0	0.1357	14
19-Aug-06	PUF-18	182	340.0	1.8681 J	187 ⁽³⁾
19-Aug-06	PUF-18	173	15.0	0.0867	9
21-Aug-06	PUF-18	384	280.0	0.7292 J	73
22-Aug-06	PUF-18	380	270.0	0.7105 J	71
23-Aug-06	PUF-18	386	170.0	0.4404 J	44
24-Aug-06	PUF-18	378	110.0	0.291 J	29
25-Aug-06	PUF-18	358	48.0	0.1341	13
26-Aug-06	PUF-18	442	46.0	0.1041	10
29-Aug-06	PUF-18	365	100.0	0.274	27
30-Aug-06	PUF-18	383	190.0	0.4961	50
31-Aug-06	PUF-18	395	210.0	0.5316	53
5-Sep-06	PUF-18	387	300.0	0.7752 J	78
6-Sep-06	PUF-18	410	210.0	0.5122 J	51
7-Sep-06	PUF-18	369	150.0	0.4065 J	41
8-Sep-06	PUF-18	404	210.0	0.5198	52
9-Sep-06	PUF-18	464	260.0	0.5603	56
11-Sep-06	PUF-18	391	37.0	0.0946	9
14-Sep-06	PUF-18	392	200.0	0.5102	51
15-Sep-06	PUF-18	418	140.0	0.3349 J	33
16-Sep-06	PUF-18	439	68.0	0.1549	15
18-Sep-06	PUF-18	388	13.0	0.0335	3
19-Sep-06	PUF-18	402	2.8	0.007	1
20-Sep-06	PUF-18	414	74.0	0.1787	18
21-Sep-06	PUF-18	406	18.0	0.0443	4
25-Sep-06	PUF-18	409	21.0	0.0513	5
26-Sep-06	PUF-18	380	9.9	0.0261	3
27-Sep-06	PUF-18	416	21.0	0.0505	5
28-Sep-06	PUF-18	427	41.0	0.096	10
29-Sep-06	PUF-18	410	5.0	0.0122	1
30-Sep-06	PUF-18	453	15.0	0.0331	3
2-Oct-06	PUF-18	435	36.0	0.0828	8
4-Oct-06	PUF-18	398	57.0	0.1432	14
5-Oct-06	PUF-18	407	110.0	0.2703	27
6-Oct-06	PUF-18	400	82.0	0.205	20
7-Oct-06	PUF-18	487	76.0	0.1561	16
9-Oct-06	PUF-18	418	73.0	0.1746	17
10-Oct-06	PUF-18	415	15.0	0.0361	4
11-Oct-06	PUF-18	400	2.9	0.0072	1
12-Oct-06	PUF-18	345	2.6	0.0075	1
13-Oct-06	PUF-18	353	2.6	0.0074	1
14-Oct-06	PUF-18	355	9.1	0.0256	3
16-Oct-06	PUF-18	352	3.7	0.0105	1
17-Oct-06	PUF-18	316	4.5	0.0142	1
18-Oct-06	PUF-18	355	16.0	0.0451	5

TABLE C.2.11

**STATION 22B PCB AIR ANALYTICAL RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass μg</i>	<i>PCB Concentration μg/m³</i>	<i>Percent Allowable %</i>
19-Oct-06	PUF-18	352	13.0	0.0369	4
20-Oct-06	PUF-18	338	3.1	0.0092	1
21-Oct-06	PUF-18	381	5.3	0.0139	1
23-Oct-06	PUF-18	377	0.9	0.0024	0
24-Oct-06	PUF-18	357	9.9	0.0277	3
25-Oct-06	PUF-18	370	4.2	0.0114	1
26-Oct-06	PUF-18	336	1.1	0.0033	0
27-Oct-06	PUF-18	376	21.0	0.0559	6
28-Oct-06	PUF-18	398	2.3	0.0058	1
30-Oct-06	PUF-18	370	2.6	0.007	1
31-Oct-06	PUF-18	375	16.0	0.0427	4
1-Nov-06	PUF-18	419	5.9	0.0141	1
2-Nov-06	PUF-18	412	9.3	0.0226	2
3-Nov-06	PUF-18	441	4.6	0.0104	1
4-Nov-06	PUF-18	480	3.0	0.0062	1
6-Nov-06	PUF-18	394	6.6	0.0168	2
7-Nov-06	PUF-18	421	27.0	0.0641	6
8-Nov-06	PUF-18	442	7.7	0.0174	2
9-Nov-06	PUF-18	424	29.0	0.0684	7
10-Nov-06	PUF-18	428	3.3	0.0077	1
11-Nov-06	PUF-18	478	5.3	0.0111	1
12-Nov-06	PUF-18	382	12.0	0.0314	3
13-Nov-06	PUF-18	450	15.0	0.0333	3
14-Nov-06	PUF-18	433	12.0	0.0277	3
15-Nov-06	PUF-18	410	12.0	0.0293	3
17-Nov-06	PUF-18	463	16.0	0.0346	3
18-Nov-06	PUF-18	440	6.2	0.0141	1
19-Nov-06	PUF-18	328	4.8	0.0146	1
20-Nov-06	PUF-18	439	25.0	0.0569	6
21-Nov-06	PUF-18	373	15.0	0.0402	4
27-Nov-06	PUF-18	390	3.0	0.0077	1
28-Nov-06	PUF-18	412	6.4	0.0155	2
29-Nov-06	PUF-18	405	4.0	0.0099	1
30-Nov-06	PUF-18	380	35.0	0.0921	9
4-Dec-06	PUF-18	310	0.7	0.0022	0
5-Dec-06	PUF-18	270	1.1	0.0041	0
6-Dec-06	PUF-18	360	1.7	0.0047	0
7-Dec-06	PUF-18	375	2.3	0.0061	1
11-Dec-06	PUF-18	365	8.5	0.0233	2
13-Dec-06	PUF-18	359	1.8	0.005	0
14-Dec-06	PUF-18	336	*	*	*
15-Dec-06	PUF-18	326	23.0	0.0706	7
16-Dec-06	PUF-18	399	4.0	0.01	1
18-Dec-06	PUF-18	399	36.0	0.0902	9
19-Dec-06	PUF-18	411	67.0	0.163	16
20-Dec-06	PUF-18	379	42.0	0.1108	11
2-Jan-07	PUF-18	395	6.7	0.017	2
3-Jan-07	PUF-18	390	6.1	0.0156	2
4-Jan-07	PUF-18	376	6.5	0.0173	2
5-Jan-07	PUF-18	375	4.8	0.0128	1
6-Jan-07	PUF-18	441	9.7	0.022	2
8-Jan-07	PUF-18	287	0.6	0.0021	0
9-Jan-07	PUF-18	406	1.1	0.0027	0
10-Jan-07	PUF-18	386	9.0	0.0233	2
11-Jan-07	PUF-18	354	3.0	0.0085	1
12-Jan-07	PUF-18	379	10.0	0.0264	3

TABLE C.2.11

**STATION 22B PCB AIR ANALYTICAL RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
29-Jan-07	PUF-18	398	0.78	0.002	0
30-Jan-07	PUF-18	429	2	0.0047	0
31-Jan-07	PUF-18	406	3.8	0.0094	1
01-Feb-07	PUF-18	399	1.5	0.0038	0
02-Feb-07	PUF-18	411	0	ND(0.0012)	0
08-Feb-07	PUF-18	426	0	ND(0.0012)	0
09-Feb-07	PUF-18	463	0	ND(0.0011)	0
10-Feb-07	PUF-18	461	15	0.0325	3
12-Feb-07	PUF-18	238	*	*	*
15-Feb-07	PUF-18	465	0	ND(0.0011)	0
16-Feb-07	PUF-18	420	2.6	0.0062	1
17-Feb-07	PUF-18	420	0	ND(0.0012)	0
19-Feb-07	PUF-18	434	1.9	0.0044	0
20-Feb-07	PUF-18	380	29	0.0763	8
21-Feb-07	PUF-18	395	32	0.081	8
22-Feb-07	PUF-18	413	14	0.0339	3
23-Feb-07	PUF-18	420	55	0.131	13
27-Feb-07	PUF-18	426	489	421	323 ⁽⁴⁾
28-Feb-07	PUF-18	410	110	0.2683	27
02-Mar-07	PUF-18	408	8.2	0.0201	2
03-Mar-07	PUF-18	393	0.7	0.0018	0
04-Mar-07	PUF-18	439	0.82	0.0019	0
05-Mar-07	PUF-18	375	5.5	0.0147	1
06-Mar-07	PUF-18	406	45	0.1108	11
07-Mar-07	PUF-18	375	10	0.0267	3
08-Mar-07	PUF-18	407	56	0.1376	14
12-Mar-07	PUF-18	399	11	0.0276	3
13-Mar-07	PUF-18	373	6	0.0161	2
14-Mar-07	PUF-18	367	22	0.0599	6
15-Mar-07	PUF-18	410	7.2	0.0176	2
16-Mar-07	PUF-18	176	*	*	*
19-Mar-07	PUF-18	389	42	0.108	11
20-Mar-07	PUF-18	381	260	0.6824	68
21-Mar-07	PUF-18	6	*	*	*
29-Mar-07	PUF-18	400	560	1.4 J	140 ⁽⁴⁾
30-Mar-07	PUF-18	0	*	*	*
09-Apr-07	PUF-18	365	45	0.1233	12
11-Jun-07	PUF-18	397	160	0.403	40
02-Jul-07	PUF-18	382	300	0.7853	79

Notes:

* Results not reported due to machine malfunction.

J Estimated result. Results if less than the reporting limit.

ND Not detected.

⁽¹⁾ Exceedance primarily attributed to East Plant Excavation and high pressure spray from water truck.

⁽²⁾ Exceedance primarily attributed to >50 ppm soil excavation in Excavation Plan II

⁽³⁾ Exceedance primarily attributed to >50 ppm soil placement into the vault.

⁽⁴⁾ Exceedance attributed to moving material in AOI 8 near the air monitoring station.

TABLE C 2.12

STATION 23 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>total Volun</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
15-Jun-05	PUF-2	253	5.4	0.0213	2
16-Jun-05	PUF-2	207	3.9	0.0188	2
17-Jun-05	PUF-2	365	7.1	0.0195	2
21-Jun-05	PUF-2	265	8.1	0.0306 J	3
22-Jun-05	PUF-2	343	9.1	0.0265	3
29-Jun-05	PUF-2	325	14.0	0.0431 J	4
06-Jul-05	PUF-2	335	7.2	0.0215	2
13-Jul-05	PUF-2	364	2.9	0.008	1
20-Jul-05	PUF-2	82	*	*	*
28-Jul-05	PUF-2	350	7.1	0.0203	2
03-Aug-05	PUF-2	364	7.3	0.0201	2
10-Aug-05	PUF-2	346	7.9	0.0228	2
17-Aug-05	PUF-2	371	6.1	0.0164 J	2
24-Aug-05	PUF-2	372	13.0	0.0349	3
01-Sep-05	PUF-2	381	31.0	0.0814	8
08-Sep-05	PUF-2	184	*	*	*
14-Sep-05	PUF-2	364	42.0	0.1154	12
12-Oct-05	PUF-2	362	18.0	0.0497	5
26-Oct-05	PUF-2	358	21.0	0.0587	6
02-Nov-05	PUF-2	279	19.0	0.0681	7
09-Nov-05	PUF-2	349	74.0	0.212	21
30-Nov-05	PUF-2	336	11.0	0.0327	3
07-Dec-05	PUF-2	425	8.1	0.0191 J	2
21-Dec-05	PUF-2	396	4.9	0.0124	1
04-Jan-06	PUF-2	84	*	*	*
12-Jan-06	PUF-2	408	3.3	0.0081	1
18-Jan-06	PUF-2	346	1.9	0.0055	1
25-Jan-06	PUF-2	384	25.0	0.0651	7
01-Feb-06	PUF-2	453	15.0	0.0331	3
07-Feb-06	PUF-2	327	22.0	0.0673	7
13-Feb-06	PUF-2	391	3.8	0.0097 J	1
20-Feb-06	PUF-2	415	3.2	0.0077	1
27-Feb-06	PUF-2	376	8.4	0.0223	2
06-Mar-06	PUF-2	358	7.4	0.0207 J	2
15-Mar-06	PUF-2	367	14.0	0.0381 J	4
20-Mar-06	PUF-2	387	0.0	ND(0.0019)	0
29-Mar-06	PUF-2	354	5.9	0.0167	2
10-Apr-06	PUF-2	335	6.0	0.0179	2
11-Apr-06	PUF-2	373	4.2	0.0113	1
03-May-06	PUF-2	368	14.0	0.038	4
19-May-06	PUF-2	422	24.0	0.0569	6
22-May-06	PUF-2	346	15.0	0.0434 J	4
23-May-06	PUF-2	396	12.0	0.0303	3
24-May-06	PUF-2	324	6.1	0.0188	2
25-May-06	PUF-2	288	9.9	0.0344	3
30-May-06	PUF-2	389	13.0	0.0334	3
31-May-06	PUF-2	378	19.0	0.0503	5
01-Jun-06	PUF-2	381	28.0	0.0735	7
02-Jun-06	PUF-2	381	26.0	0.0682	7
05-Jun-06	PUF-2	389	13.0	0.0334	3
06-Jun-06	PUF-2	375	13.0	0.0347	3
07-Jun-06	PUF-2	340	46.0	0.1353	14
08-Jun-06	PUF-2	305	21.0	0.0689	7
09-Jun-06	PUF-2	319	10.0	0.0313	3
10-Jun-06	PUF-2	142	*	*	*
12-Jun-06	PUF-2	435	23.0	0.0529	5
14-Jun-06	PUF-2	321	47.0	0.1464	15
15-Jun-06	PUF-2	137	*	*	*
16-Jun-06	PUF-2	3	*	*	*

TABLE C 2.12

**STATION 23 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>total Volun</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
17-Jun-06	PUF-2	394	11.0	0.0279 J	3
19-Jun-06	PUF-2	327	40.0	0.1223	12
20-Jun-06	PUF-2	363	14.0	0.0386	4
21-Jun-06	PUF-2	369	30.0	0.0813	8
22-Jun-06	PUF-2	366	50.0	0.1366	14
23-Jun-06	PUF-2	157	*	*	*
24-Jun-06	PUF-2	417	8.2	0.0197	2
28-Jun-06	PUF-2	316	100.0	0.3165	32
29-Jun-06	PUF-2	335	23.0	0.0687	7
30-Jun-06	PUF-2	374	17.0	0.0455	5
03-Jul-06	PUF-2	412	65.0	0.1578	16
05-Jul-06	PUF-2	369	15.0	0.0407	4
06-Jul-06	PUF-2	348	9.9	0.0284	3
07-Jul-06	PUF-2	376	11.0	0.0293	3
08-Jul-06	PUF-2	366	5.7	0.0156 J	2
10-Jul-06	PUF-2	335	40.0	0.1194	12
17-Jul-06	PUF-2	345	49.0	0.142	14
18-Jul-06	PUF-2	264	19.0	0.072	7
19-Jul-06	PUF-2	274	8.2	0.0299	3
20-Jul-06	PUF-2	255	27.0	0.1059	11
21-Jul-06	PUF-2	277	71.0	0.2563	26
22-Jul-06	PUF-2	357	55.0	0.1541	15
24-Jul-06	PUF-2	262	120.0	0.458	46
25-Jul-06	PUF-2	256	91.0	0.3555	36
26-Jul-06	PUF-2	259	33.0	0.1274	13
28-Jul-06	PUF-2	271	82.0	0.3026	30
29-Jul-06	PUF-2	270	97.0	0.3593	36
31-Jul-06	PUF-2	299	70.0	0.2341	23
01-Aug-06	PUF-2	325	160.0	0.4923	49
02-Aug-06	PUF-2	347	160.0	0.4611	46
03-Aug-06	PUF-2	332	190.0	0.5723	57
04-Aug-06	PUF-2	329	21.0	0.0638	6
05-Aug-06	PUF-2	360	20.0	0.0556	6
07-Aug-06	PUF-2	340	82.0	0.2412	24
08-Aug-06	PUF-2	261	25.0	0.0958	10
09-Aug-06	PUF-2	365	34.0	0.0932	9
10-Aug-06	PUF-2	327	26.0	0.0795	8
11-Aug-06	PUF-2	340	9.6	0.0282	3
12-Aug-06	PUF-2	401	11.0	0.0274	3
14-Aug-06	PUF-2	334	82.0	0.2455	25
15-Aug-06	PUF-2	337	20.0	0.0593	6
16-Aug-06	PUF-2	334	15.0	0.0449	4
17-Aug-06	PUF-2	335	15.0	0.0448	4
18-Aug-06	PUF-2	336	31.0	0.0923	9
19-Aug-06	PUF-2	333	68.0	0.2042	20
21-Aug-06	PUF-2	369	13.0	0.0352	4
22-Aug-06	PUF-2	358	20.0	0.0559	6
23-Aug-06	PUF-2	364	14.0	0.0385	4
24-Aug-06	PUF-2	330	6.3	0.0191	2
25-Aug-06	PUF-2	353	16.0	0.0453	5
26-Aug-06	PUF-2	397	35.0	0.0882	9
29-Aug-06	PUF-2	342	48.0	0.1404	14
30-Aug-06	PUF-2	327	14.0	0.0428	4
31-Aug-06	PUF-2	358	11.0	0.0307	3
05-Sep-06	PUF-2	356	17.0	0.0478	5
06-Sep-06	PUF-2	358	19.0	0.0531	5
07-Sep-06	PUF-2	347	9.9	0.0285	3
08-Sep-06	PUF-2	367	12.0	0.0327	3
09-Sep-06	PUF-2	432	17.0	0.0394	4

TABLE C 2.12

STATION 23 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
11-Sep-06	PUF-2	367	8.2	0.0223	2
14-Sep-06	PUF-2	399	41.0	0.1028	10
15-Sep-06	PUF-2	375	12.0	0.032	3
16-Sep-06	PUF-2	426	5.7	0.0134	1
18-Sep-06	PUF-2	354	27.0	0.0763	8
19-Sep-06	PUF-2	331	38.0	0.1148	11
20-Sep-06	PUF-2	343	16.0	0.0466	5
21-Sep-06	PUF-2	338	4.5	0.0133	1
25-Sep-06	PUF-2	342	26.0	0.076	8
26-Sep-06	PUF-2	335	9.9	0.0296	3
27-Sep-06	PUF-2	325	30.0	0.0923	9
28-Sep-06	PUF-2	343	26.0	0.0758	8
29-Sep-06	PUF-2	306	9.9	0.0324	3
30-Sep-06	PUF-2	360	12.0	0.0333	3
02-Oct-06	PUF-2	373	5.9	0.0158	2
04-Oct-06	PUF-2	378	25.0	0.0661	7
05-Oct-06	PUF-2	385	2.6	0.0068	1
06-Oct-06	PUF-2	366	6.1	0.0167	2
07-Oct-06	PUF-2	431	8.3	0.0193	2
09-Oct-06	PUF-2	370	20.0	0.0541	5
10-Oct-06	PUF-2	363	7.8	0.0215	2
11-Oct-06	PUF-2	350	23.0	0.0657	7
12-Oct-06	PUF-2	361	13.0	0.036	4
13-Oct-06	PUF-2	345	11.0	0.0319	3
14-Oct-06	PUF-2	335	17.0	0.0507	5
16-Oct-06	PUF-2	349	3.8	0.0109	1
17-Oct-06	PUF-2	314	30.0	0.0955	10
18-Oct-06	PUF-2	331	26.0	0.0785	8
19-Oct-06	PUF-2	321	11.0	0.0343	3
20-Oct-06	PUF-2	327	9.5	0.0291	3
21-Oct-06	PUF-2	413	9.3	0.0225	2
23-Oct-06	PUF-2	332	11.0	0.0331	3
24-Oct-06	PUF-2	379	11.0	0.029	3
25-Oct-06	PUF-2	389	2.8	0.0072	1
26-Oct-06	PUF-2	379	2.2	0.0058	1
27-Oct-06	PUF-2	381	8.6	0.0226	2
28-Oct-06	PUF-2	373	25.0	0.067	7
30-Oct-06	PUF-2	1	*	*	*
31-Oct-06	PUF-2	4	*	*	*
01-Nov-06	PUF-2	0	*	*	*
02-Nov-06	PUF-2	2	*	*	*
03-Nov-06	PUF-2	11	*	*	*
04-Nov-06	PUF-2	377	3.0	0.008	1
06-Nov-06	PUF-2	374	3.4	0.0091	1
07-Nov-06	PUF-2	391	21.0	0.0537	5
08-Nov-06	PUF-2	357	12.0	0.0336	3
09-Nov-06	PUF-2	362	39.0	0.1077	11
10-Nov-06	PUF-2	397	10.0	0.0252	3
11-Nov-06	PUF-2	405	13.0	0.0321	3
12-Nov-06	PUF-2	353	1.9	0.0054	1
13-Nov-06	PUF-2	328	7.4	0.0226	2
14-Nov-06	PUF-2	316	2.3	0.0073	1
15-Nov-06	PUF-2	309	2.0	0.0065	1
17-Nov-06	PUF-2	340	5.4	0.0159	2
18-Nov-06	PUF-2	389	26.0	0.0668	7
19-Nov-06	PUF-2	244	12.0	0.0492	5
20-Nov-06	PUF-2	316	18.0	0.057	6
21-Nov-06	PUF-2	327	13.0	0.0398	4
27-Nov-06	PUF-2	284	2.5	0.0088	1

TABLE C 2.12

**STATION 23 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
28-Nov-06	PUF-2	323	4.4	0.0136	1
29-Nov-06	PUF-2	348	4.5	0.0129	1
30-Nov-06	PUF-2	308	9.5	0.0308	3
04-Dec-06	PUF-2	302	4.3	0.0142	1
05-Dec-06	PUF-2	344	2.3	0.0067	1
06-Dec-06	PUF-2	322	13.0	0.0404	4
07-Dec-06	PUF-2	342	3.9	0.0114	1
11-Dec-06	PUF-2	326	3.7	0.0113	1
13-Dec-06	PUF-2	1	*	*	*
14-Dec-06	PUF-2	316	6.3	0.0199	2
15-Dec-06	PUF-2	324	23.0	0.071	7
16-Dec-06	PUF-2	362	9.2	0.0254	3
18-Dec-06	PUF-2	310	11.0	0.0355	4
19-Dec-06	PUF-2	315	5.5	0.0175	2
20-Dec-06	PUF-2	318	3.3	0.0104	1
02-Jan-07	PUF-2	301	2.0	0.0066	1
03-Jan-07	PUF-2	315	2.5	0.0079	1
04-Jan-07	PUF-2	315	3.2	0.0102	1
05-Jan-07	PUF-2	318	7.6	0.0239	2
06-Jan-07	PUF-2	356	10.0	0.0281	3
08-Jan-07	PUF-2	266	3.7	0.0139	1
09-Jan-07	PUF-2	334	6.6	0.0198	2
10-Jan-07	PUF-2	382	1.4	0.0037	0
11-Jan-07	PUF-2	368	1.9	0.0052	1
12-Jan-07	PUF-2	387	9.2	0.0238	2
18-Jan-07	PUF-2	389	5.8	0.0149	1
19-Jan-07	PUF-2	409	6.8	0.0166	2
22-Jan-07	PUF-2	384	9.6	0.025	2
23-Jan-07	PUF-2	376	4.2	0.0112	1
27-Jan-07	PUF-2	439	7.8	0.0178	2
30-Jan-07	PUF-2	436	2.6	0.006	1
01-Feb-07	PUF-2	392	2.9	0.0074	1
02-Feb-07	PUF-2	401	2.2	0.0055	1
03-Feb-07	PUF-2	36	*	*	*
15-Feb-07	PUF-2	423	1.6	0.0038	0
26-Feb-07	PUF-2	351	5.9	0.0168	2

Notes:

- * Results not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.

TABLE C 2.13

**STATION 23B PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
7-Aug-07	PUF-2	362	37.0	0.1022	10
20-Aug-07	PUF-2	393	54.0	0.1374	14
29-Aug-07	PUF-2	408	28.0	0.0686	7
8-Oct-07	PUF-2	345	19.0	0.0551	6
21-Feb-08	PUF-2	440	0.0	ND(0.0011)	0
12-Mar-08	PUF-2	451	16.0	0.0355	4
2-Jun-08	PUF-2	397	9.9	0.0249	2
25-Jun-08	PUF-2	439	17.0	0.0387	4
2-Jul-08	PUF-2	444	6.9	0.0155	2
29-Sep-08	PUF-2	422	15.0	0.0355	4
6-Oct-08	PUF-2	421	1.4	0.0033	0

Notes:

ND Not detected.

TABLE C.2.14

**STATION 29 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
09-May-06	PUF-5	361	5.2	0.0144	1
10-May-06	PUF-5	398	36.0	0.0905	9
19-May-06	PUF-5	474	25.0	0.0527	5
22-May-06	PUF-5	425	13.0	0.0306	3
23-May-06	PUF-5	377	11.0	0.0292	3
24-May-06	PUF-5	455	20.0	0.044	4
25-May-06	PUF-5	364	27.0	0.0742	7
30-May-06	PUF-5	412	23.0	0.0558	6
31-May-06	PUF-5	393	28.0	0.0712	7
01-Jun-06	PUF-5	394	47.0	0.1193	12
02-Jun-06	PUF-5	412	39.0	0.0947	9
05-Jun-06	PUF-5	411	15.0	0.0365	4
06-Jun-06	PUF-5	390	11.0	0.0282	3
07-Jun-06	PUF-5	369	72.0	0.1951	20
08-Jun-06	PUF-5	423	35.0	0.0827	8
09-Jun-06	PUF-5	383	8.4	0.0219	2
10-Jun-06	PUF-5	157	*	*	*
12-Jun-06	PUF-5	480	22.0	0.0458	5
14-Jun-06	PUF-5	350	210.0	0.6	60
15-Jun-06	PUF-5	351	12.0	0.0342	3
16-Jun-06	PUF-5	315	24.0	0.0762 J	8
17-Jun-06	PUF-5	402	19.0	0.0473 J	5
19-Jun-06	PUF-5	340	28.0	0.0824	8
20-Jun-06	PUF-5	349	68.0	0.1948	19
21-Jun-06	PUF-5	396	24.0	0.0606	6
22-Jun-06	PUF-5	363	49.0	0.135	14
23-Jun-06	PUF-5	314	27.0	0.086	9
24-Jun-06	PUF-5	388	32.0	0.0825	8
26-Jun-06	PUF-5	367	68.0	0.1853	19
27-Jun-06	PUF-5	389	180.0	0.4627	46
28-Jun-06	PUF-5	390	65.0	0.1667	17
29-Jun-06	PUF-5	391	160.0	0.4092	41
30-Jun-06	PUF-5	457	23.0	0.0503	5
03-Jul-06	PUF-5	446	51.0	0.1143	11
05-Jul-06	PUF-5	389	14.0	0.036	4
06-Jul-06	PUF-5	345	35.0	0.1014	10
07-Jul-06	PUF-5	373	60.0	0.1609	16
08-Jul-06	PUF-5	414	17.0	0.0411 J	4
10-Jul-06	PUF-5	389	32.0	0.0823	8
17-Jul-06	PUF-5	393	85.0	0.2163	22
18-Jul-06	PUF-5	373	37.0	0.0992	10
19-Jul-06	PUF-5	385	69.0	0.1792	18
20-Jul-06	PUF-5	407	170.0	0.4177	42
21-Jul-06	PUF-5	371	570.0	1.5364	154 ⁽¹⁾
22-Jul-06	PUF-5	469	530.0	1.1301	113 ⁽¹⁾
24-Jul-06	PUF-5	372	240.0	0.6452	65
25-Jul-06	PUF-5	400	160.0	0.4	40
26-Jul-06	PUF-5	431	30.0	0.0696	7
28-Jul-06	PUF-5	402	17.0	0.0423	4
29-Jul-06	PUF-5	401	340.0	0.8479	85
31-Jul-06	PUF-5	381	31.0	0.0814	8
01-Aug-06	PUF-5	446	66.0	0.148	15
02-Aug-06	PUF-5	423	36.0	0.0851	9
03-Aug-06	PUF-5	409	460.0	1.1247	112 ⁽¹⁾
04-Aug-06	PUF-5	441	36.0	0.0816	8
05-Aug-06	PUF-5	506	17.0	0.0336	3

TABLE C.2.14

**STATION 29 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
07-Aug-06	PUF-5	435	250.0	0.5747	57
08-Aug-06	PUF-5	366	110.0	0.3005	30
09-Aug-06	PUF-5	432	130.0	0.3009	30
10-Aug-06	PUF-5	375	120.0	0.32	32
11-Aug-06	PUF-5	408	18.0	0.0441	4
12-Aug-06	PUF-5	504	42.0	0.0833	8
14-Aug-06	PUF-5	409	200.0	0.489	49
15-Aug-06	PUF-5	417	42.0	0.1007	10
16-Aug-06	PUF-5	424	36.0	0.0849	8
17-Aug-06	PUF-5	416	14.0	0.0337	3
18-Aug-06	PUF-5	439	85.0	0.1936	19
19-Aug-06	PUF-5	392	140.0	0.3571	36
21-Aug-06	PUF-5	435	29.0	0.0667	7
22-Aug-06	PUF-5	426	38.0	0.0892	9
23-Aug-06	PUF-5	417	46.0	0.1103	11
24-Aug-06	PUF-5	424	20.0	0.0472	5
25-Aug-06	PUF-5	405	18.0	0.0444	4
26-Aug-06	PUF-5	499	72.0	0.1443	14
29-Aug-06	PUF-5	413	270.0	0.6538	65
30-Aug-06	PUF-5	430	70.0	0.1628	16
31-Aug-06	PUF-5	445	16.0	0.036	4
05-Sep-06	PUF-5	452	84.0	0.1858	19
06-Sep-06	PUF-5	430	96.0	0.2233	22
07-Sep-06	PUF-5	414	26.0	0.0628	6
08-Sep-06	PUF-5	456	45.0	0.0987	10
09-Sep-06	PUF-5	499	80.0	0.1603	16
11-Sep-06	PUF-5	415	27.0	0.0651	7
14-Sep-06	PUF-5	466	120.0	0.2575	26
15-Sep-06	PUF-5	452	36.0	0.0796	8
16-Sep-06	PUF-5	466	12.0	0.0258	3
18-Sep-06	PUF-5	383	54.0	0.141	14
19-Sep-06	PUF-5	441	130.0	0.2948	29
20-Sep-06	PUF-5	458	50.0	0.1092	11
21-Sep-06	PUF-5	448	6.7	0.015	2
25-Sep-06	PUF-5	443	31.0	0.07	7
26-Sep-06	PUF-5	428	13.0	0.0304	3
27-Sep-06	PUF-5	406	80.0	0.197	20
28-Sep-06	PUF-5	454	76.0	0.1674	17
29-Sep-06	PUF-5	443	13.0	0.0293	3
30-Sep-06	PUF-5	497	18.0	0.0362	4
02-Oct-06	PUF-5	467	18.0	0.0385	4
04-Oct-06	PUF-5	428	25.0	0.0584	6
05-Oct-06	PUF-5	463	4.7	0.0102	1
06-Oct-06	PUF-5	432	7.5	0.0174	2
07-Oct-06	PUF-5	530	36.0	0.0679	7
09-Oct-06	PUF-5	437	50.0	0.1144	11
10-Oct-06	PUF-5	436	13.0	0.0298	3
11-Oct-06	PUF-5	424	39.0	0.092	9
12-Oct-06	PUF-5	437	9.5	0.0217	2
13-Oct-06	PUF-5	450	10.0	0.0222	2
14-Oct-06	PUF-5	449	21.0	0.0468	5
16-Oct-06	PUF-5	410	4.2	0.0102	1
17-Oct-06	PUF-5	402	24.0	0.0597	6
18-Oct-06	PUF-5	413	58.0	0.1404	14
19-Oct-06	PUF-5	411	46.0	0.1119	11
20-Oct-06	PUF-5	440	13.0	0.0295	3

TABLE C.2.14

**STATION 29 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
21-Oct-06	PUF-5	476	12.0	0.0252	3
23-Oct-06	PUF-5	508	32.0	0.063	6
24-Oct-06	PUF-5	445	27.0	0.0607	6
25-Oct-06	PUF-5	454	4.1	0.009	1
26-Oct-06	PUF-5	434	2.6	0.006	1
27-Oct-06	PUF-5	443	25.0	0.0564	6
28-Oct-06	PUF-5	443	67.0	0.1512	15
30-Oct-06	PUF-5	425	7.7	0.0181	2
31-Oct-06	PUF-5	442	32.0	0.0724	7
01-Nov-06	PUF-5	379	24.0	0.0633	6
02-Nov-06	PUF-5	376	27.0	0.0718	7
03-Nov-06	PUF-5	402	14.0	0.0348	3
04-Nov-06	PUF-5	438	3.9	0.0089	1
06-Nov-06	PUF-5	370	4.0	0.0108	1
07-Nov-06	PUF-5	384	74.0	0.1927	19
08-Nov-06	PUF-5	390	26.0	0.0667	7
09-Nov-06	PUF-5	389	66.0	0.1697	17
10-Nov-06	PUF-5	378	16.0	0.0423	4
11-Nov-06	PUF-5	518	46.0	0.0888	9
12-Nov-06	PUF-5	426	2.6	0.0061	1
13-Nov-06	PUF-5	474	18.0	0.038	4
14-Nov-06	PUF-5	453	2.5	0.0055	1
15-Nov-06	PUF-5	434	4.2	0.0097	1
17-Nov-06	PUF-5	481	21.0	0.0437	4
18-Nov-06	PUF-5	487	49.0	0.1006	10
19-Nov-06	PUF-5	359	23.0	0.0641	6
20-Nov-06	PUF-5	462	39.0	0.0844	8
21-Nov-06	PUF-5	406	17.0	0.0419	4
27-Nov-06	PUF-5	414	4.5	0.0109	1
28-Nov-06	PUF-5	436	7.1	0.0163	2
29-Nov-06	PUF-5	420	7.5	0.0179	2
30-Nov-06	PUF-5	418	15.0	0.0359	4
04-Dec-06	PUF-5	413	4.3	0.0104	1
05-Dec-06	PUF-5	434	5.6	0.0129	1
06-Dec-06	PUF-5	438	10.0	0.0228	2
07-Dec-06	PUF-5	483	9.7	0.0201	2
11-Dec-06	PUF-5	430	2.9	0.0067	1
13-Dec-06	PUF-5	455	8.9	0.0196	2
14-Dec-06	PUF-5	421	13.0	0.0309	3
15-Dec-06	PUF-5	408	15.0	0.0368	4
16-Dec-06	PUF-5	476	11.0	0.0231	2
18-Dec-06	PUF-5	419	17.0	0.0406	4
19-Dec-06	PUF-5	450	15.0	0.0333	3
20-Dec-06	PUF-5	430	3.0	0.007	1
02-Jan-07	PUF-5	442	6.1	0.0138	1
03-Jan-07	PUF-5	425	4.4	0.0104	1
04-Jan-07	PUF-5	427	4.5	0.0105	1
05-Jan-07	PUF-5	429	7.6	0.0177	2
06-Jan-07	PUF-5	501	17.0	0.0339	3
08-Jan-07	PUF-5	401	7.1	0.0177	2
09-Jan-07	PUF-5	458	9.7	0.0212	2
10-Jan-07	PUF-5	441	1.8	0.0041	0
11-Jan-07	PUF-5	422	3.0	0.0071	1
12-Jan-07	PUF-5	448	13.0	0.029	3
24-Jan-07	PUF-5	445	18.0	0.0404	4
25-Jan-07	PUF-5	471	10.0	0.0212	2

TABLE C.2.14

**STATION 29 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
29-Jan-07	PUF-5	464	6.1	0.0131	1
30-Jan-07	PUF-5	491	3.8	0.0077	1
31-Jan-07	PUF-5	438	3.7	0.0084	1
01-Feb-07	PUF-5	456	6.7	0.0147	1
02-Feb-07	PUF-5	448	2.1	0.0047	0
08-Feb-07	PUF-5	475	3.6	0.0076	1
09-Feb-07	PUF-5	510	3.5	0.0069	1
10-Feb-07	PUF-5	521	5.5	0.0106	1
12-Feb-07	PUF-5	458	1.8	0.0039	0
15-Feb-07	PUF-5	500	5	0.01	1
16-Feb-07	PUF-5	466	4.4	0.0094	1
17-Feb-07	PUF-5	469	2.4	0.0051	1
19-Feb-07	PUF-5	445	7.6	0.0171	2
20-Feb-07	PUF-5	431	38	0.0882	9
21-Feb-07	PUF-5	435	17	0.0391	4
22-Feb-07	PUF-5	453	28	0.0618	6
27-Feb-07	PUF-5	26	19	25	33
28-Feb-07	PUF-5	459	2.9	0.0063	1
02-Mar-07	PUF-5	429	17	0.0396	4
03-Mar-07	PUF-5	394	0	ND(0.0013)	0
04-Mar-07	PUF-5	471	15	0.0318	3
05-Mar-07	PUF-5	388	14	0.0361	4
06-Mar-07	PUF-5	393	3.4	0.0087	1
07-Mar-07	PUF-5	401	3.8	0.0095	1
08-Mar-07	PUF-5	413	6.7	0.0162	2
12-Mar-07	PUF-5	423	40	0.0946	9
13-Mar-07	PUF-5	382	78	0.2042	20
14-Mar-07	PUF-5	386	52	0.1347	13
15-Mar-07	PUF-5	418	2.1	0.005	0
16-Mar-07	PUF-5	400	12	0.03	3
17-Mar-07	PUF-5	487	18	0.037	4
19-Mar-07	PUF-5	405	37	0.0914	9
20-Mar-07	PUF-5	380	4.4	0.0116	1
21-Mar-07	PUF-5	381	31	0.0814	8
29-Mar-07	PUF-5	370	10	0.027	3
30-Mar-07	PUF-5	389	16	0.0411	4

Notes:

- * Results not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.
- (1) Exceedance primarily attributed to >50 ppm soil Excavation Plan II

TABLE C 2.15

STATION 30 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
9-May-06	PUF-17	369	16.0	0.0434	4
10-May-06	PUF-17	416	9.5	0.0228	2
19-May-06	PUF-17	39	*	*	*
22-May-06	PUF-17	365	4.6	0.0126	1
23-May-06	PUF-17	417	7.9	0.0189	2
24-May-06	PUF-17	367	25.0	0.0681	7
25-May-06	PUF-17	394	43.0	0.1091	11
30-May-06	PUF-17	442	25.0	0.0566	6
31-May-06	PUF-17	429	8.6	0.02	2
1-Jun-06	PUF-17	407	14.0	0.0344	3
2-Jun-06	PUF-17	413	12.0	0.0291	3
5-Jun-06	PUF-17	441	9.8	0.0222	2
6-Jun-06	PUF-17	378	56.0	0.1481	15
7-Jun-06	PUF-17	411	33.0	0.0803	8
8-Jun-06	PUF-17	162	*	*	*
9-Jun-06	PUF-17	407	7.2	0.0177	2
10-Jun-06	PUF-17	98	*	*	*
12-Jun-06	PUF-17	1	*	*	*
14-Jun-06	PUF-17	394	13.0	0.033	3
15-Jun-06	PUF-17	400	12.0	0.03	3
16-Jun-06	PUF-17	398	24.0	0.0603 J	6
17-Jun-06	PUF-17	444	140.0	0.3153 J	32
19-Jun-06	PUF-17	413	33.0	0.0799	8
20-Jun-06	PUF-17	411	78.0	0.1898	19
21-Jun-06	PUF-17	390	89.0	0.2282	23
22-Jun-06	PUF-17	420	17.0	0.0405	4
23-Jun-06	PUF-17	405	9.2	0.0227	2
24-Jun-06	PUF-17	406	11.0	0.0271	3
26-Jun-06	PUF-17	412	13.0	0.0316	3
27-Jun-06	PUF-17	398	12.0	0.0302	3
28-Jun-06	PUF-17	411	17.0	0.0414	4
29-Jun-06	PUF-17	404	12.0	0.0297	3
30-Jun-06	PUF-17	421	37.0	0.0879	9
3-Jul-06	PUF-17	1	*	*	*
5-Jul-06	PUF-17	0	*	*	*
6-Jul-06	PUF-17	362	8.9	0.0246	2
7-Jul-06	PUF-17	298	8.3	0.0279	3
8-Jul-06	PUF-17	303	8.8	0.029 J	3
10-Jul-06	PUF-17	385	130.0	0.3377	34
17-Jul-06	PUF-17	6	*	*	*
18-Jul-06	PUF-17	274	11.0	0.0401	4
19-Jul-06	PUF-17	381	30.0	0.0787	8
20-Jul-06	PUF-17	359	56.0	0.156	16
21-Jul-06	PUF-17	355	59.0	0.1662	17
22-Jul-06	PUF-17	451	11.0	0.0244	2
24-Jul-06	PUF-17	331	31.0	0.0937	9
25-Jul-06	PUF-17	358	180.0	0.5028	50
26-Jul-06	PUF-17	385	420.0	1.0909	109 ⁽¹⁾
28-Jul-06	PUF-17	389	110.0	0.2828	28
29-Jul-06	PUF-17	375	70.0	0.1867	19
31-Jul-06	PUF-17	386	120.0	0.3109	31
1-Aug-06	PUF-17	421	170.0	0.4038	40
2-Aug-06	PUF-17	402	290.0	0.7214	72
3-Aug-06	PUF-17	443	32.0	0.0722	7
4-Aug-06	PUF-17	403	21.0	0.0521	5
5-Aug-06	PUF-17	477	26.0	0.0545	5

TABLE C.2.15

**STATION 30 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
7-Aug-06	PUF-17	421	23.0	0.0546	5
8-Aug-06	PUF-17	334	19.0	0.0569	6
9-Aug-06	PUF-17	395	59.0	0.1494	15
10-Aug-06	PUF-17	373	36.0	0.0965	10
11-Aug-06	PUF-17	402	17.0	0.0423	4
12-Aug-06	PUF-17	472	24.0	0.0508	5
14-Aug-06	PUF-17	391	29.0	0.0742	7
15-Aug-06	PUF-17	399	32.0	0.0802	8
16-Aug-06	PUF-17	393	31.0	0.0789	8
17-Aug-06	PUF-17	397	57.0	0.1436	14
18-Aug-06	PUF-17	389	25.0	0.0643	6
19-Aug-06	PUF-17	365	23.0	0.063	6
21-Aug-06	PUF-17	423	23.0	0.0544	5
22-Aug-06	PUF-17	399	25.0	0.0627	6
23-Aug-06	PUF-17	417	30.0	0.0719	7
24-Aug-06	PUF-17	380	34.0	0.0895	9
25-Aug-06	PUF-17	396	62.0	0.1566	16
26-Aug-06	PUF-17	433	96.0	0.2217	22
29-Aug-06	PUF-17	406	7.2	0.0177	2
30-Aug-06	PUF-17	392	7.5	0.0191	2
31-Aug-06	PUF-17	382	3.3	0.0086	1
5-Sep-06	PUF-17	415	15.0	0.0361	4
6-Sep-06	PUF-17	406	26.0	0.064	6
7-Sep-06	PUF-17	393	24.0	0.0611	6
8-Sep-06	PUF-17	430	36.0	0.0837	8
9-Sep-06	PUF-17	0	*	*	*
11-Sep-06	PUF-17	423	42.0	0.0993	10
14-Sep-06	PUF-17	442	38.0	0.086	9
15-Sep-06	PUF-17	413	34.0	0.0823	8
16-Sep-06	PUF-17	457	62.0	0.1357	14
18-Sep-06	PUF-17	358	4.7	0.0131	1
19-Sep-06	PUF-17	403	2.2	0.0055	1
20-Sep-06	PUF-17	433	12.0	0.0277	3
21-Sep-06	PUF-17	407	10.0	0.0246	2
25-Sep-06	PUF-17	424	26.0	0.0613	6
26-Sep-06	PUF-17	424	66.0	0.1557	16
27-Sep-06	PUF-17	413	61.0	0.1477	15
28-Sep-06	PUF-17	442	11.0	0.0249	2
29-Sep-06	PUF-17	408	34.0	0.0833	8
30-Sep-06	PUF-17	463	23.0	0.0497	5
2-Oct-06	PUF-17	403	99.0	0.2457	25
4-Oct-06	PUF-17	416	77.0	0.1851	19
5-Oct-06	PUF-17	423	13.0	0.0307	3
6-Oct-06	PUF-17	391	25.0	0.0639	6
7-Oct-06	PUF-17	484	34.0	0.0702	7
9-Oct-06	PUF-17	416	49.0	0.1178	12
10-Oct-06	PUF-17	398	99.0	0.2487	25
11-Oct-06	PUF-17	386	29.0	0.0751	8
12-Oct-06	PUF-17	410	11.0	0.0268	3
13-Oct-06	PUF-17	405	2.7	0.0067	1
14-Oct-06	PUF-17	385	13.0	0.0338	3
16-Oct-06	PUF-17	408	27.0	0.0662	7
17-Oct-06	PUF-17	372	15.0	0.0403	4
18-Oct-06	PUF-17	393	28.0	0.0712	7
19-Oct-06	PUF-17	387	1.3	0.0034	0
20-Oct-06	PUF-17	461	17.0	0.0369	4

TABLE C.2.15

**STATION 30 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
21-Oct-06	PUF-17	412	17.0	0.0413	4
23-Oct-06	PUF-17	438	0.5	0.0011	0
24-Oct-06	PUF-17	426	8.8	0.0207	2
25-Oct-06	PUF-17	438	6.1	0.0139	1
26-Oct-06	PUF-17	424	5.6	0.0132	1
27-Oct-06	PUF-17	424	2.7	0.0064	1
28-Oct-06	PUF-17	386	1.1	0.0028	0
30-Oct-06	PUF-17	371	61.0	0.1644	16
31-Oct-06	PUF-17	126	*	*	*
1-Nov-06	PUF-17	43	*	*	*
2-Nov-06	PUF-17	423	5.0	0.0118	1
3-Nov-06	PUF-17	466	9.0	0.0193	2
4-Nov-06	PUF-17	386	22.0	0.057	6
4-Nov-06	PUF-17	358	22.0	0.0615	6
6-Nov-06	PUF-17	385	16.0	0.0416	4
6-Nov-06	PUF-17	415	16.0	0.0386	4
7-Nov-06	PUF-17	83	*	*	*
7-Nov-06	PUF-17	93	*	*	*
8-Nov-06	PUF-17	0	*	*	*
8-Nov-06	PUF-17	0	*	*	*
9-Nov-06	PUF-17	347	64.0	0.1844	18
9-Nov-06	PUF-17	323	64.0	0.1981	20
10-Nov-06	PUF-17	426	74.0	0.1737	17
10-Nov-06	PUF-17	380	74.0	0.1947	19
11-Nov-06	PUF-17	452	1.3	0.0029	0
11-Nov-06	PUF-17	484	1.3	0.0027	0
12-Nov-06	PUF-17	338	3.6	0.0107	1
12-Nov-06	PUF-17	316	3.6	0.0114	1
13-Nov-06	PUF-17	442	11.0	0.0249	2
13-Nov-06	PUF-17	398	11.0	0.0276	3
14-Nov-06	PUF-17	411	8.0	0.0195	2
14-Nov-06	PUF-17	367	8.0	0.0218	2
15-Nov-06	PUF-17	404	2.3	0.0057	1
15-Nov-06	PUF-17	361	2.3	0.0064	1
17-Nov-06	PUF-17	476	11.0	0.0231	2
18-Nov-06	PUF-17	505	1.7	0.0034	0
19-Nov-06	PUF-17	364	0.8	0.0022	0
20-Nov-06	PUF-17	429	9.0	0.021	2
21-Nov-06	PUF-17	435	22.0	0.0506	5
27-Nov-06	PUF-17	416	120.0	0.2885 J	29
28-Nov-06	PUF-17	421	110.0	0.2613	26
29-Nov-06	PUF-17	434	140.0	0.3226	32
30-Nov-06	PUF-17	420	7.4	0.0176	2
4-Dec-06	PUF-17	372	4.9	0.0132	1
5-Dec-06	PUF-17	438	23.0	0.0525	5
6-Dec-06	PUF-17	407	2.2	0.0054	1
7-Dec-06	PUF-17	443	*	*	*
11-Dec-06	PUF-17	380	34.0	0.0895	9
13-Dec-06	PUF-17	385	41.0	0.1065	11
14-Dec-06	PUF-17	378	40.0	0.1058	11
15-Dec-06	PUF-17	218	*	*	*
16-Dec-06	PUF-17	495	63.0	0.1273	13
18-Dec-06	PUF-17	351	3.0	0.0085	1
19-Dec-06	PUF-17	410	6.0	0.0146	1
20-Dec-06	PUF-17	391	160.0	0.4092 J	41
2-Jan-07	PUF-17	407	30.0	0.0737	7

TABLE C 2.15

**STATION 30 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass μg</i>	<i>PCB Concentration μg/m³</i>	<i>Percent Allowable %</i>
3-Jan-07	PUF-17	371	27.0	0.0728	7
4-Jan-07	PUF-17	319	38.0	0.1191	12
5-Jan-07	PUF-17	419	12.0	0.0286	3
6-Jan-07	PUF-17	485	0.0	0	0
8-Jan-07	PUF-17	381	3.9	0.0102	1
9-Jan-07	PUF-17	404	0.6	0.0015	0
10-Jan-07	PUF-17	425	12.0	0.0282	3
11-Jan-07	PUF-17	416	32.0	0.0769	8
12-Jan-07	PUF-17	401	41.0	0.1022	10

Notes:

- * Results not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.
- ⁽¹⁾ Exceedance primarily attributed to >50 ppm soil excavation in Excavation Plan II

TABLE C 2.16

**STATION 1B PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
15-Jun-05	PUF-7	308	6.3	0.0205	2
16-Jun-05	PUF-7	345	14.0	0.0406	4
17-Jun-05	PUF-7	385	8.3	0.0216	2
20-Jun-05	PUF-7	343	56.0	0.1633	16
21-Jun-05	PUF-7	376	12.0	0.0319	3
22-Jun-05	PUF-7	361	93.0	0.2576	26
29-Jun-05	PUF-7	411	76.0	0.1849	18
06-Jul-05	PUF-7	314	38.0	0.121	12
13-Jul-05	PUF-7	379	33.0	0.0871 J	9
20-Jul-05	PUF-7	355	20.0	0.0563 J	6
28-Jul-05	PUF-7	348	25.0	0.0718	7
03-Aug-05	PUF-7	365	37.0	0.1014	10
10-Aug-05	PUF-7	337	27.0	0.0801 J	8
17-Aug-05	PUF-7	343	93.0	0.2711	27
02-Nov-05	PUF-7	292	68.0	0.2329	23
09-Nov-05	PUF-7	398	2.0	0.005	0
30-Nov-05	PUF-7	407	11.0	0.027	3
07-Dec-05	PUF-7	373	3.6	0.0097 J	1
21-Dec-05	PUF-7	425	5.1	0.012	1
04-Jan-06	PUF-7	399	2.9	0.0073	1
12-Jan-06	PUF-7	428	24.0	0.0561	6
18-Jan-06	PUF-7	412	6.2	0.015	2
25-Jan-06	PUF-7	355	3.0	0.0085	1
01-Feb-06	PUF-7	364	8.1	0.0223	2
07-Feb-06	PUF-7	357	1.2	0.0034	0
13-Feb-06	PUF-7	414	1.6	0.0039 J	0
20-Feb-06	PUF-7	371	2.2	0.0059	1
27-Feb-06	PUF-7	369	7.8	0.0211	2
06-Mar-06	PUF-7	330	3.4	0.0103	1
15-Mar-06	PUF-7	349	14.0	0.0401 J	4
20-Mar-06	PUF-7	5	*	*	*
29-Mar-06	PUF-7	306	18.0	0.0588	6
10-Apr-06	PUF-7	242	75.0	0.3099	31
11-Apr-06	PUF-7	282	34.0	0.1206	12
20-Apr-06	PUF-16	247	34.0	0.1377	14
01-May-06	PUF-16	247	88.0	0.3563	36
03-May-06	PUF-16	401	520.0	1.2968	130 ⁽¹⁾
12-May-06	PUF-16	347	30.0	0.0865	9
13-May-06	PUF-16	233	*	*	*
16-May-06	PUF-16	448	14.0	0.0312	3
17-May-06	PUF-16	404	7.4	0.0183	2
18-May-06	PUF-16	375	7.7	0.0205	2
19-May-06	PUF-16	410	25.0	0.061	6
22-May-06	PUF-16	410	25.0	0.061	6
23-May-06	PUF-16	343	71.0	0.207	21
24-May-06	PUF-16	421	370.0	0.8789	88
25-May-06	PUF-16	401	170.0	0.4239	42
30-May-06	PUF-16	440	380.0	0.8636	86
31-May-06	PUF-16	418	130.0	0.311	31
01-Jun-06	PUF-16	431	110.0	0.2552	26
02-Jun-06	PUF-16	444	47.0	0.1059	11

TABLE C 2.16

**STATION 1B PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
05-Jun-06	PUF-16	435	38.0	0.0874	9
06-Jun-06	PUF-16	434	750.0	1.7281	173 ⁽²⁾
07-Jun-06	PUF-16	411	460.0	1.1192	112 ⁽²⁾
08-Jun-06	PUF-16	411	110.0	0.2676	27
09-Jun-06	PUF-16	403	53.0	0.1315	13
10-Jun-06	PUF-16	166	*	*	*
12-Jun-06	PUF-16	508	28.0	0.0551	6
14-Jun-06	PUF-16	370	58.0	0.1568	16
15-Jun-06	PUF-16	412	750.0	1.8204	182 ⁽²⁾
16-Jun-06	PUF-16	390	1300.0	3.3333 J	333 ⁽²⁾
17-Jun-06	PUF-16	474	557.0	1.7511 J	175 ⁽²⁾
19-Jun-06	PUF-16	417	300.0	0.7194	72

Notes:

- * Results not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.
- ⁽¹⁾ Exceedance primarily attributed to stockpile activities at the Zipp Parking Lot
- ⁽²⁾ Exceedance primarily attributed to >50 ppm material placement into the vault and East Plant Excavation

TABLE C 2.17

**STATION 22 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
15-Jun-05	PUF-3	35	*	*	*
16-Jun-05	PUF-3	57	*	*	*
17-Jun-05	PUF-3	143	2.3	0.0161	2
20-Jun-05	PUF-3	133	10.0	0.0752	8
21-Jun-05	PUF-3	128	2.7	0.0211	2
22-Jun-05	PUF-3	142	8.6	0.0606	6
29-Jun-05	PUF-3	140	5.8	0.0414	4
06-Jul-05	PUF-3	83	1.9	0.0229	2
13-Jul-05	PUF-3	119	2.5	0.021	2
20-Jul-05	PUF-3	132	3.1	0.0235 J	2
28-Jul-05	PUF-3	129	2.5	0.0194	2
03-Aug-05	PUF-3	130	7.2	0.0554	6
10-Aug-05	PUF-3	126	10.0	0.0794	8
17-Aug-05	PUF-3	142	47.0	0.331	33
24-Aug-05	PUF-3	148	73.0	0.4932	49
01-Sep-05	PUF-3	157	97.0	0.6178	62
08-Sep-05	PUF-3	133	47.0	0.3534	35
14-Sep-05	PUF-3	128	77.0	0.6016	60
12-Oct-05	PUF-3	146	45.0	0.3082	31
26-Oct-05	PUF-3	120	18.0	0.15 J	15
02-Nov-05	PUF-3	170	2.3	0.0135	1
09-Nov-05	PUF-3	159	10.0	0.0629	6
30-Nov-05	PUF-3	164	7.4	0.0451	5
07-Dec-05	PUF-3	135	3.0	0.0222 J	2
21-Dec-05	PUF-3	16	*	*	*

Notes:

- * Results not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.

TABLE C 2.18

**STATION 22A PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
4-Jan-06	PUF-3	146	5.7	0.039	4
12-Jan-06	PUF-3	145	1.2	0.0083	1
18-Jan-06	PUF-3	141	0.6	0.0043 J	0
25-Jan-06	PUF-3	2	*	*	*
1-Feb-06	PUF-3	147	9.1	0.0619	6
7-Feb-06	PUF-3	19	*	*	*
13-Feb-06	PUF-3	142	0.9	0.0064	1
20-Feb-06	PUF-3	125	1.3	0.0104	1
27-Feb-06	PUF-3	113	6.4	0.0566	6
6-Mar-06	PUF-3	117	9.5	0.0812	8
15-Mar-06	PUF-3	130	8.4	0.0646 J	6
20-Mar-06	PUF-3	119	12.0	0.1008	10
29-Mar-06	PUF-3	129	7.8	0.0605	6
10-Apr-06	PUF-3	145	4.0	0.0276	3
11-Apr-06	PUF-3	125	2.7	0.0216	2

Notes:

- * Results not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.

TABLE C 2.19

**STATION 22B PCB AIR ANALYTICAL RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
3-May-06	PUF-3	130	4.1	0.0315	3
19-May-06	PUF-3	148	22.0	0.1486	15
22-May-06	PUF-3	135	34.0	0.2519	25
23-May-06	PUF-3	124	10.0	0.0806	8
24-May-06	PUF-3	137	12.0	0.0876	9
25-May-06	PUF-3	108	5.9	0.0546	5
30-May-06	PUF-3	141	5.1	0.0362	4
31-May-06	PUF-3	121	29.0	0.2397	24
1-Jun-06	PUF-3	129	41.0	0.3178	32
2-Jun-06	PUF-3	131	120.0	0.916	92
5-Jun-06	PUF-3	146	39.0	0.2671	27
6-Jun-06	PUF-3	132	8.2	0.0621	6
7-Jun-06	PUF-3	128	24.0	0.1875	19
8-Jun-06	PUF-3	131	95.0	0.7252	73
9-Jun-06	PUF-3	125	99.0	0.792	79
10-Jun-06	PUF-3	50	*	*	*
12-Jun-06	PUF-3	139	170.0	1.223	122 ⁽¹⁾
14-Jun-06	PUF-3	107	250.0	2.3364	234 ⁽¹⁾
15-Jun-06	PUF-3	122	13.0	0.1066	11
16-Jun-06	PUF-3	121	15.0	0.124 J	12
17-Jun-06	PUF-3	131	6.5	0.0496 J	5
19-Jun-06	PUF-3	126	21.0	0.1667	17
20-Jun-06	PUF-3	135	34.0	0.2519	25
21-Jun-06	PUF-18	344	7.6	0.0221	2
22-Jun-06	PUF-18	358	170.0	0.4749	47
23-Jun-06	PUF-18	296	310.0	1.0473	105 ⁽¹⁾
24-Jun-06	PUF-18	350	320.0	0.9143	91
26-Jun-06	PUF-18	364	100.0	0.2747	27
27-Jun-06	PUF-18	348	17.0	0.0489	5
28-Jun-06	PUF-18	361	200.0	0.554	55
29-Jun-06	PUF-18	362	190.0	0.5249	52
30-Jun-06	PUF-18	424	20.0	0.0472	5
3-Jul-06	PUF-18	384	10.0	0.026	3
5-Jul-06	PUF-18	336	430.0	1.2798	128 ⁽²⁾
6-Jul-06	PUF-18	405	650.0	1.6049	160 ⁽²⁾
7-Jul-06	PUF-18	340	420.0	1.2353	124 ⁽²⁾
8-Jul-06	PUF-18	360	63.0	0.175 J	18
10-Jul-06	PUF-18	356	8.8	0.0247	2
17-Jul-06	PUF-18	359	280.0	0.7799	78
18-Jul-06	PUF-18	339	730.0	2.1534	215 ⁽²⁾
19-Jul-06	PUF-18	350	300.0	0.8571	86
20-Jul-06	PUF-18	381	220.0	0.5774	58
21-Jul-06	PUF-18	338	270.0	0.7988	80
22-Jul-06	PUF-18	448	670.0	1.4955	150 ⁽²⁾
24-Jul-06	PUF-18	352	93.0	0.2642	26
25-Jul-06	PUF-18	382	21.0	0.055	6
26-Jul-06	PUF-18	378	8.9	0.0235 J	2
28-Jul-06	PUF-18	354	5.2	0.0147	1
29-Jul-06	PUF-18	352	27.0	0.0767	8
31-Jul-06	PUF-18	281	16.0	0.0569	6
1-Aug-06	PUF-18	304	16.0	0.0526	5
2-Aug-06	PUF-18	310	7.9	0.0255	3
3-Aug-06	PUF-18	288	250.0	0.8681 J	87
4-Aug-06	PUF-18	306	790.0	2.5817 J	258 ⁽³⁾
5-Aug-06	PUF-18	349	400.0	1.1461	115 ⁽³⁾
7-Aug-06	PUF-18	312	460.0	1.4744 J	147 ⁽³⁾

TABLE C 2.19

**STATION 22B PCB AIR ANALYTICAL RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass μg</i>	<i>PCB Concentration μg/m³</i>	<i>Percent Allowable %</i>
8-Aug-06	PUF-18	266	300.0	1.1278	113 ⁽³⁾
9-Aug-06	PUF-18	389	190.0	0.4884	49
10-Aug-06	PUF-18	344	180.0	0.5233	52
11-Aug-06	PUF-18	360	320.0	0.8889 J	89
12-Aug-06	PUF-18	448	390.0	0.8705	87
14-Aug-06	PUF-18	363	170.0	0.4683	47
15-Aug-06	PUF-18	373	390.0	1.0456 J	105 ⁽³⁾
16-Aug-06	PUF-18	348	280.0	0.8046 J	80
17-Aug-06	PUF-18	186	63.0	0.3387	34
17-Aug-06	PUF-18	180	41.0	0.2278	23
18-Aug-06	PUF-18	184	180.0	0.9783	98
18-Aug-06	PUF-18	199	27.0	0.1357	14
19-Aug-06	PUF-18	182	340.0	1.8681 J	187 ⁽³⁾
19-Aug-06	PUF-18	173	15.0	0.0867	9
21-Aug-06	PUF-18	384	280.0	0.7292 J	73
22-Aug-06	PUF-18	380	270.0	0.7105 J	71
23-Aug-06	PUF-18	386	170.0	0.4404 J	44
24-Aug-06	PUF-18	378	110.0	0.291 J	29
25-Aug-06	PUF-18	358	48.0	0.1341	13
26-Aug-06	PUF-18	442	46.0	0.1041	10
29-Aug-06	PUF-18	365	100.0	0.274	27
30-Aug-06	PUF-18	383	190.0	0.4961	50
31-Aug-06	PUF-18	395	210.0	0.5316	53
5-Sep-06	PUF-18	387	300.0	0.7752 J	78
6-Sep-06	PUF-18	410	210.0	0.5122 J	51
7-Sep-06	PUF-18	369	150.0	0.4065 J	41
8-Sep-06	PUF-18	404	210.0	0.5198	52
9-Sep-06	PUF-18	464	260.0	0.5603	56
11-Sep-06	PUF-18	391	37.0	0.0946	9
14-Sep-06	PUF-18	392	200.0	0.5102	51
15-Sep-06	PUF-18	418	140.0	0.3349 J	33
16-Sep-06	PUF-18	439	68.0	0.1549	15
18-Sep-06	PUF-18	388	13.0	0.0335	3
19-Sep-06	PUF-18	402	2.8	0.007	1
20-Sep-06	PUF-18	414	74.0	0.1787	18
21-Sep-06	PUF-18	406	18.0	0.0443	4
25-Sep-06	PUF-18	409	21.0	0.0513	5
26-Sep-06	PUF-18	380	9.9	0.0261	3
27-Sep-06	PUF-18	416	21.0	0.0505	5
28-Sep-06	PUF-18	427	41.0	0.096	10
29-Sep-06	PUF-18	410	5.0	0.0122	1
30-Sep-06	PUF-18	453	15.0	0.0331	3
2-Oct-06	PUF-18	435	36.0	0.0828	8
4-Oct-06	PUF-18	398	57.0	0.1432	14
5-Oct-06	PUF-18	407	110.0	0.2703	27
6-Oct-06	PUF-18	400	82.0	0.205	20
7-Oct-06	PUF-18	487	76.0	0.1561	16
9-Oct-06	PUF-18	418	73.0	0.1746	17
10-Oct-06	PUF-18	415	15.0	0.0361	4
11-Oct-06	PUF-18	400	2.9	0.0072	1
12-Oct-06	PUF-18	345	2.6	0.0075	1
13-Oct-06	PUF-18	353	2.6	0.0074	1
14-Oct-06	PUF-18	355	9.1	0.0256	3
16-Oct-06	PUF-18	352	3.7	0.0105	1
17-Oct-06	PUF-18	316	4.5	0.0142	1
18-Oct-06	PUF-18	355	16.0	0.0451	5

TABLE C.2.19

**STATION 22B PCB AIR ANALYTICAL RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
19-Oct-06	PUF-18	352	13.0	0.0369	4
20-Oct-06	PUF-18	338	3.1	0.0092	1
21-Oct-06	PUF-18	381	5.3	0.0139	1
23-Oct-06	PUF-18	377	0.9	0.0024	0
24-Oct-06	PUF-18	357	9.9	0.0277	3
25-Oct-06	PUF-18	370	4.2	0.0114	1
26-Oct-06	PUF-18	336	1.1	0.0033	0
27-Oct-06	PUF-18	376	21.0	0.0559	6
28-Oct-06	PUF-18	398	2.3	0.0058	1
30-Oct-06	PUF-18	370	2.6	0.007	1
31-Oct-06	PUF-18	375	16.0	0.0427	4
1-Nov-06	PUF-18	419	5.9	0.0141	1
2-Nov-06	PUF-18	412	9.3	0.0226	2
3-Nov-06	PUF-18	441	4.6	0.0104	1
4-Nov-06	PUF-18	480	3.0	0.0062	1
6-Nov-06	PUF-18	394	6.6	0.0168	2
7-Nov-06	PUF-18	421	27.0	0.0641	6
8-Nov-06	PUF-18	442	7.7	0.0174	2
9-Nov-06	PUF-18	424	29.0	0.0684	7
10-Nov-06	PUF-18	428	3.3	0.0077	1
11-Nov-06	PUF-18	478	5.3	0.0111	1
12-Nov-06	PUF-18	382	12.0	0.0314	3
13-Nov-06	PUF-18	450	15.0	0.0333	3
14-Nov-06	PUF-18	433	12.0	0.0277	3
15-Nov-06	PUF-18	410	12.0	0.0293	3
17-Nov-06	PUF-18	463	16.0	0.0346	3
18-Nov-06	PUF-18	440	6.2	0.0141	1
19-Nov-06	PUF-18	328	4.8	0.0146	1
20-Nov-06	PUF-18	439	25.0	0.0569	6
21-Nov-06	PUF-18	373	15.0	0.0402	4
27-Nov-06	PUF-18	390	3.0	0.0077	1
28-Nov-06	PUF-18	412	6.4	0.0155	2
29-Nov-06	PUF-18	405	4.0	0.0099	1
30-Nov-06	PUF-18	380	35.0	0.0921	9
4-Dec-06	PUF-18	310	0.7	0.0022	0
5-Dec-06	PUF-18	270	1.1	0.0041	0
6-Dec-06	PUF-18	360	1.7	0.0047	0
7-Dec-06	PUF-18	375	2.3	0.0061	1
11-Dec-06	PUF-18	365	8.5	0.0233	2
13-Dec-06	PUF-18	359	1.8	0.005	0
14-Dec-06	PUF-18	336	*	*	*
15-Dec-06	PUF-18	326	23.0	0.0706	7
16-Dec-06	PUF-18	399	4.0	0.01	1
18-Dec-06	PUF-18	399	36.0	0.0902	9
19-Dec-06	PUF-18	411	67.0	0.163	16
20-Dec-06	PUF-18	379	42.0	0.1108	11
2-Jan-07	PUF-18	395	6.7	0.017	2
3-Jan-07	PUF-18	390	6.1	0.0156	2
4-Jan-07	PUF-18	376	6.5	0.0173	2
5-Jan-07	PUF-18	375	4.8	0.0128	1
6-Jan-07	PUF-18	441	9.7	0.022	2
8-Jan-07	PUF-18	287	0.6	0.0021	0
9-Jan-07	PUF-18	406	1.1	0.0027	0
10-Jan-07	PUF-18	386	9.0	0.0233	2
11-Jan-07	PUF-18	354	3.0	0.0085	1
12-Jan-07	PUF-18	379	10.0	0.0264	3

TABLE C 2.19

**STATION 22B PCB AIR ANALYTICAL RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
29-Jan-07	PUF-18	398	0.78	0.002	0
30-Jan-07	PUF-18	429	2	0.0047	0
31-Jan-07	PUF-18	406	3.8	0.0094	1
01-Feb-07	PUF-18	399	1.5	0.0038	0
02-Feb-07	PUF-18	411	0	ND(0.0012)	0
08-Feb-07	PUF-18	426	0	ND(0.0012)	0
09-Feb-07	PUF-18	463	0	ND(0.0011)	0
10-Feb-07	PUF-18	461	15	0.0325	3
12-Feb-07	PUF-18	238	*	*	*
15-Feb-07	PUF-18	465	0	ND(0.0011)	0
16-Feb-07	PUF-18	420	2.6	0.0062	1
17-Feb-07	PUF-18	420	0	ND(0.0012)	0
19-Feb-07	PUF-18	434	1.9	0.0044	0
20-Feb-07	PUF-18	380	29	0.0763	8
21-Feb-07	PUF-18	395	32	0.081	8
22-Feb-07	PUF-18	413	14	0.0339	3
23-Feb-07	PUF-18	420	55	0.131	13
27-Feb-07	PUF-18	426	489	421	323 ⁽⁴⁾
28-Feb-07	PUF-18	410	110	0.2683	27
02-Mar-07	PUF-18	408	8.2	0.0201	2
03-Mar-07	PUF-18	393	0.7	0.0018	0
04-Mar-07	PUF-18	439	0.82	0.0019	0
05-Mar-07	PUF-18	375	5.5	0.0147	1
06-Mar-07	PUF-18	406	45	0.1108	11
07-Mar-07	PUF-18	375	10	0.0267	3
08-Mar-07	PUF-18	407	56	0.1376	14
12-Mar-07	PUF-18	399	11	0.0276	3
13-Mar-07	PUF-18	373	6	0.0161	2
14-Mar-07	PUF-18	367	22	0.0599	6
15-Mar-07	PUF-18	410	7.2	0.0176	2
16-Mar-07	PUF-18	176	*	*	*
19-Mar-07	PUF-18	389	42	0.108	11
20-Mar-07	PUF-18	381	260	0.6824	68
21-Mar-07	PUF-18	6	*	*	*
29-Mar-07	PUF-18	400	560	1.4 J	140 ⁽⁴⁾
30-Mar-07	PUF-18	0	*	*	*
09-Apr-07	PUF-18	365	45	0.1233	12
11-Jun-07	PUF-18	397	160	0.403	40
02-Jul-07	PUF-18	382	300	0.7853	79

Notes:

- * Results not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.
- (1) Exceedance primarily attributed to East Plant Excavation and high pressure spray from water truck.
- (2) Exceedance primarily attributed to >50 ppm soil excavation in Excavation Plan II
- (3) Exceedance primarily attributed to >50 ppm soil placement into the vault.
- (4) Exceedance attributed to moving material in AOI 8 near the air monitoring station.

TABLE C 2.20

STATION 29 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
09-May-06	PUF-5	361	5.2	0.0144	1
10-May-06	PUF-5	398	36.0	0.0905	9
19-May-06	PUF-5	474	25.0	0.0527	5
22-May-06	PUF-5	425	13.0	0.0306	3
23-May-06	PUF-5	377	11.0	0.0292	3
24-May-06	PUF-5	455	20.0	0.044	4
25-May-06	PUF-5	364	27.0	0.0742	7
30-May-06	PUF-5	412	23.0	0.0558	6
31-May-06	PUF-5	393	28.0	0.0712	7
01-Jun-06	PUF-5	394	47.0	0.1193	12
02-Jun-06	PUF-5	412	39.0	0.0947	9
05-Jun-06	PUF-5	411	15.0	0.0365	4
06-Jun-06	PUF-5	390	11.0	0.0282	3
07-Jun-06	PUF-5	369	72.0	0.1951	20
08-Jun-06	PUF-5	423	35.0	0.0827	8
09-Jun-06	PUF-5	383	8.4	0.0219	2
10-Jun-06	PUF-5	157	*	*	*
12-Jun-06	PUF-5	480	22.0	0.0458	5
14-Jun-06	PUF-5	350	210.0	0.6	60
15-Jun-06	PUF-5	351	12.0	0.0342	3
16-Jun-06	PUF-5	315	24.0	0.0762 J	8
17-Jun-06	PUF-5	402	19.0	0.0473 J	5
19-Jun-06	PUF-5	340	28.0	0.0824	8
20-Jun-06	PUF-5	349	68.0	0.1948	19
21-Jun-06	PUF-5	396	24.0	0.0606	6
22-Jun-06	PUF-5	363	49.0	0.135	14
23-Jun-06	PUF-5	314	27.0	0.086	9
24-Jun-06	PUF-5	388	32.0	0.0825	8
26-Jun-06	PUF-5	367	68.0	0.1853	19
27-Jun-06	PUF-5	389	180.0	0.4627	46
28-Jun-06	PUF-5	390	65.0	0.1667	17
29-Jun-06	PUF-5	391	160.0	0.4092	41
30-Jun-06	PUF-5	457	23.0	0.0503	5
03-Jul-06	PUF-5	446	51.0	0.1143	11
05-Jul-06	PUF-5	389	14.0	0.036	4
06-Jul-06	PUF-5	345	35.0	0.1014	10
07-Jul-06	PUF-5	373	60.0	0.1609	16
08-Jul-06	PUF-5	414	17.0	0.0411 J	4
10-Jul-06	PUF-5	389	32.0	0.0823	8
17-Jul-06	PUF-5	393	85.0	0.2163	22
18-Jul-06	PUF-5	373	37.0	0.0992	10
19-Jul-06	PUF-5	385	69.0	0.1792	18
20-Jul-06	PUF-5	407	170.0	0.4177	42
21-Jul-06	PUF-5	371	570.0	1.5364	154 ⁽¹⁾
22-Jul-06	PUF-5	469	530.0	1.1301	113 ⁽¹⁾
24-Jul-06	PUF-5	372	240.0	0.6452	65
25-Jul-06	PUF-5	400	160.0	0.4	40
26-Jul-06	PUF-5	431	30.0	0.0696	7
28-Jul-06	PUF-5	402	17.0	0.0423	4
29-Jul-06	PUF-5	401	340.0	0.8479	85
31-Jul-06	PUF-5	381	31.0	0.0814	8
01-Aug-06	PUF-5	446	66.0	0.148	15
02-Aug-06	PUF-5	423	36.0	0.0851	9
03-Aug-06	PUF-5	409	460.0	1.1247	112 ⁽¹⁾
04-Aug-06	PUF-5	441	36.0	0.0816	8
05-Aug-06	PUF-5	506	17.0	0.0336	3

TABLE C.2.20

**STATION 29 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
07-Aug-06	PUF-5	435	250.0	0.5747	57
08-Aug-06	PUF-5	366	110.0	0.3005	30
09-Aug-06	PUF-5	432	130.0	0.3009	30
10-Aug-06	PUF-5	375	120.0	0.32	32
11-Aug-06	PUF-5	408	18.0	0.0441	4
12-Aug-06	PUF-5	504	42.0	0.0833	8
14-Aug-06	PUF-5	409	200.0	0.489	49
15-Aug-06	PUF-5	417	42.0	0.1007	10
16-Aug-06	PUF-5	424	36.0	0.0849	8
17-Aug-06	PUF-5	416	14.0	0.0337	3
18-Aug-06	PUF-5	439	85.0	0.1936	19
19-Aug-06	PUF-5	392	140.0	0.3571	36
21-Aug-06	PUF-5	435	29.0	0.0667	7
22-Aug-06	PUF-5	426	38.0	0.0892	9
23-Aug-06	PUF-5	417	46.0	0.1103	11
24-Aug-06	PUF-5	424	20.0	0.0472	5
25-Aug-06	PUF-5	405	18.0	0.0444	4
26-Aug-06	PUF-5	499	72.0	0.1443	14
29-Aug-06	PUF-5	413	270.0	0.6538	65
30-Aug-06	PUF-5	430	70.0	0.1628	16
31-Aug-06	PUF-5	445	16.0	0.036	4
05-Sep-06	PUF-5	452	84.0	0.1858	19
06-Sep-06	PUF-5	430	96.0	0.2233	22
07-Sep-06	PUF-5	414	26.0	0.0628	6
08-Sep-06	PUF-5	456	45.0	0.0987	10
09-Sep-06	PUF-5	499	80.0	0.1603	16
11-Sep-06	PUF-5	415	27.0	0.0651	7
14-Sep-06	PUF-5	466	120.0	0.2575	26
15-Sep-06	PUF-5	452	36.0	0.0796	8
16-Sep-06	PUF-5	466	12.0	0.0258	3
18-Sep-06	PUF-5	383	54.0	0.141	14
19-Sep-06	PUF-5	441	130.0	0.2948	29
20-Sep-06	PUF-5	458	50.0	0.1092	11
21-Sep-06	PUF-5	448	6.7	0.015	2
25-Sep-06	PUF-5	443	31.0	0.07	7
26-Sep-06	PUF-5	428	13.0	0.0304	3
27-Sep-06	PUF-5	406	80.0	0.197	20
28-Sep-06	PUF-5	454	76.0	0.1674	17
29-Sep-06	PUF-5	443	13.0	0.0293	3
30-Sep-06	PUF-5	497	18.0	0.0362	4
02-Oct-06	PUF-5	467	18.0	0.0385	4
04-Oct-06	PUF-5	428	25.0	0.0584	6
05-Oct-06	PUF-5	463	4.7	0.0102	1
06-Oct-06	PUF-5	432	7.5	0.0174	2
07-Oct-06	PUF-5	530	36.0	0.0679	7
09-Oct-06	PUF-5	437	50.0	0.1144	11
10-Oct-06	PUF-5	436	13.0	0.0298	3
11-Oct-06	PUF-5	424	39.0	0.092	9
12-Oct-06	PUF-5	437	9.5	0.0217	2
13-Oct-06	PUF-5	450	10.0	0.0222	2
14-Oct-06	PUF-5	449	21.0	0.0468	5
16-Oct-06	PUF-5	410	4.2	0.0102	1
17-Oct-06	PUF-5	402	24.0	0.0597	6
18-Oct-06	PUF-5	413	58.0	0.1404	14
19-Oct-06	PUF-5	411	46.0	0.1119	11
20-Oct-06	PUF-5	440	13.0	0.0295	3

TABLE C.2.20

**STATION 29 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m³</i>	<i>Percent Allowable %</i>
21-Oct-06	PUF-5	476	12.0	0.0252	3
23-Oct-06	PUF-5	508	32.0	0.063	6
24-Oct-06	PUF-5	445	27.0	0.0607	6
25-Oct-06	PUF-5	454	4.1	0.009	1
26-Oct-06	PUF-5	434	2.6	0.006	1
27-Oct-06	PUF-5	443	25.0	0.0564	6
28-Oct-06	PUF-5	443	67.0	0.1512	15
30-Oct-06	PUF-5	425	7.7	0.0181	2
31-Oct-06	PUF-5	442	32.0	0.0724	7
01-Nov-06	PUF-5	379	24.0	0.0633	6
02-Nov-06	PUF-5	376	27.0	0.0718	7
03-Nov-06	PUF-5	402	14.0	0.0348	3
04-Nov-06	PUF-5	438	3.9	0.0089	1
06-Nov-06	PUF-5	370	4.0	0.0108	1
07-Nov-06	PUF-5	384	74.0	0.1927	19
08-Nov-06	PUF-5	390	26.0	0.0667	7
09-Nov-06	PUF-5	389	66.0	0.1697	17
10-Nov-06	PUF-5	378	16.0	0.0423	4
11-Nov-06	PUF-5	518	46.0	0.0888	9
12-Nov-06	PUF-5	426	2.6	0.0061	1
13-Nov-06	PUF-5	474	18.0	0.038	4
14-Nov-06	PUF-5	453	2.5	0.0055	1
15-Nov-06	PUF-5	434	4.2	0.0097	1
17-Nov-06	PUF-5	481	21.0	0.0437	4
18-Nov-06	PUF-5	487	49.0	0.1006	10
19-Nov-06	PUF-5	359	23.0	0.0641	6
20-Nov-06	PUF-5	462	39.0	0.0844	8
21-Nov-06	PUF-5	406	17.0	0.0419	4
27-Nov-06	PUF-5	414	4.5	0.0109	1
28-Nov-06	PUF-5	436	7.1	0.0163	2
29-Nov-06	PUF-5	420	7.5	0.0179	2
30-Nov-06	PUF-5	418	15.0	0.0359	4
04-Dec-06	PUF-5	413	4.3	0.0104	1
05-Dec-06	PUF-5	434	5.6	0.0129	1
06-Dec-06	PUF-5	438	10.0	0.0228	2
07-Dec-06	PUF-5	483	9.7	0.0201	2
11-Dec-06	PUF-5	430	2.9	0.0067	1
13-Dec-06	PUF-5	455	8.9	0.0196	2
14-Dec-06	PUF-5	421	13.0	0.0309	3
15-Dec-06	PUF-5	408	15.0	0.0368	4
16-Dec-06	PUF-5	476	11.0	0.0231	2
18-Dec-06	PUF-5	419	17.0	0.0406	4
19-Dec-06	PUF-5	450	15.0	0.0333	3
20-Dec-06	PUF-5	430	3.0	0.007	1
02-Jan-07	PUF-5	442	6.1	0.0138	1
03-Jan-07	PUF-5	425	4.4	0.0104	1
04-Jan-07	PUF-5	427	4.5	0.0105	1
05-Jan-07	PUF-5	429	7.6	0.0177	2
06-Jan-07	PUF-5	501	17.0	0.0339	3
08-Jan-07	PUF-5	401	7.1	0.0177	2
09-Jan-07	PUF-5	458	9.7	0.0212	2
10-Jan-07	PUF-5	441	1.8	0.0041	0
11-Jan-07	PUF-5	422	3.0	0.0071	1
12-Jan-07	PUF-5	448	13.0	0.029	3
24-Jan-07	PUF-5	445	18.0	0.0404	4
25-Jan-07	PUF-5	471	10.0	0.0212	2

TABLE C.2.20

**STATION 29 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m³</i>	<i>Total PCB Mass μg</i>	<i>PCB Concentration μg/m³</i>	<i>Percent Allowable %</i>
29-Jan-07	PUF-5	464	6.1	0.0131	1
30-Jan-07	PUF-5	491	3.8	0.0077	1
31-Jan-07	PUF-5	438	3.7	0.0084	1
01-Feb-07	PUF-5	456	6.7	0.0147	1
02-Feb-07	PUF-5	448	2.1	0.0047	0
08-Feb-07	PUF-5	475	3.6	0.0076	1
09-Feb-07	PUF-5	510	3.5	0.0069	1
10-Feb-07	PUF-5	521	5.5	0.0106	1
12-Feb-07	PUF-5	458	1.8	0.0039	0
15-Feb-07	PUF-5	500	5	0.01	1
16-Feb-07	PUF-5	466	4.4	0.0094	1
17-Feb-07	PUF-5	469	2.4	0.0051	1
19-Feb-07	PUF-5	445	7.6	0.0171	2
20-Feb-07	PUF-5	431	38	0.0882	9
21-Feb-07	PUF-5	435	17	0.0391	4
22-Feb-07	PUF-5	453	28	0.0618	6
27-Feb-07	PUF-5	26	19	25	33
28-Feb-07	PUF-5	459	2.9	0.0063	1
02-Mar-07	PUF-5	429	17	0.0396	4
03-Mar-07	PUF-5	394	0	ND(0.0013)	0
04-Mar-07	PUF-5	471	15	0.0318	3
05-Mar-07	PUF-5	388	14	0.0361	4
06-Mar-07	PUF-5	393	3.4	0.0087	1
07-Mar-07	PUF-5	401	3.8	0.0095	1
08-Mar-07	PUF-5	413	6.7	0.0162	2
12-Mar-07	PUF-5	423	40	0.0946	9
13-Mar-07	PUF-5	382	78	0.2042	20
14-Mar-07	PUF-5	386	52	0.1347	13
15-Mar-07	PUF-5	418	2.1	0.005	0
16-Mar-07	PUF-5	400	12	0.03	3
17-Mar-07	PUF-5	487	18	0.037	4
19-Mar-07	PUF-5	405	37	0.0914	9
20-Mar-07	PUF-5	380	4.4	0.0116	1
21-Mar-07	PUF-5	381	31	0.0814	8
29-Mar-07	PUF-5	370	10	0.027	3
30-Mar-07	PUF-5	389	16	0.0411	4

Notes:

- * Results not reported due to machine malfunction.
- J Estimated result. Results if less than the reporting limit.
- ND Not detected.
- (1) Exceedance primarily attributed to >50 ppm soil Excavation Plan II

TABLE C 2.21

**STATION 34 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m3</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m3</i>	<i>Percent Allowable</i> <i>%</i>
29-Jan-07	PUF-17	358	0.0	ND(0.0014)	0
30-Jan-07	PUF-17	451	0.0	ND(0.0011)	0
31-Jan-07	PUF-17	435	0.0	ND(0.0011)	0
01-Feb-07	PUF-17	421	1.8	0.0043	0
02-Feb-07	PUF-17	416	0.0	ND(0.0012)	0
08-Feb-07	PUF-17	507	3.7	0.0073	1
09-Feb-07	PUF-17	472	5.8	0.0123	1
10-Feb-07	PUF-17	477	9.8	0.0205	2
12-Feb-07	PUF-17	421	3.4	0.0081	1
15-Feb-07	PUF-17	500	4.5	0.009	1
16-Feb-07	PUF-17	442	0.0	ND(0.0011)	0
17-Feb-07	PUF-17	448	4.0	0.0089	1
19-Feb-07	PUF-17	408	0.6	0.0015	0
20-Feb-07	PUF-17	393	57.0	0.145 J	14
21-Feb-07	PUF-17	398	19.0	0.0477	5
22-Feb-07	PUF-17	407	11.0	0.027	3
27-Feb-07	PUF-17	0.061	0.0	0.0594	0.1022
28-Feb-07	PUF-17	390	5.0	0.0128	1
02-Mar-07	PUF-17	405	1.7	0.0042	0
03-Mar-07	PUF-17	406	0.0	ND(0.0012)	0
05-Mar-07	PUF-17	364	23.0	0.0632	6
06-Mar-07	PUF-17	413	19.0	0.046	5
07-Mar-07	PUF-17	419	57.0	0.136	14
08-Mar-07	PUF-17	431	23.0	0.0534	5
12-Mar-07	PUF-17	452	3.2	0.0071	1
13-Mar-07	PUF-17	385	0.0	ND(0.0013)	0
14-Mar-07	PUF-17	0	*	*	*
15-Mar-07	PUF-17	414	22.0	0.0531	5
16-Mar-07	PUF-17	434	75.0	0.1728 J	17
17-Mar-07	PUF-17	363	51.0	0.1405	14
19-Mar-07	PUF-17	524	45.0	0.0859	9
20-Mar-07	PUF-17	332	16.0	0.0482	5
21-Mar-07	PUF-17	395	1.5	0.0038	0
29-Mar-07	PUF-17	374	85.0	0.2273 J	23
30-Mar-07	PUF-17	428	87.0	0.2033	20

Notes:

Air monitoring at Group 14 conducted during installation of 48-inch sewer line for Plant operations.

- * Results not reported due to machine malfunction.
- ND Not detected.
- J Estimated result. Results if less than the reporting limit.

TABLE C 2.22

**STATION 35 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume m3</i>	<i>Total PCB Mass µg</i>	<i>PCB Concentration µg/m3</i>	<i>Percent Allowable %</i>
29-Jan-07	PUF-12	289	7.3	0.0253	3
30-Jan-07	PUF-12	370	12.0	0.0324	3
31-Jan-07	PUF-12	349	2.6	0.0074	1
01-Feb-07	PUF-12	338	4.8	0.0142	1
02-Feb-07	PUF-12	318	2.1	0.0066	1
08-Feb-07	PUF-12	350	6.5	0.0186	2
09-Feb-07	PUF-12	356	12.0	0.0337	3
10-Feb-07	PUF-12	365	11.0	0.0301	3
12-Feb-07	PUF-12	319	3.1	0.0097	1
15-Feb-07	PUF-12	363	15.0	0.0413	4
16-Feb-07	PUF-12	340	3.3	0.0097	1
17-Feb-07	PUF-12	331	13.0	0.0393	4
19-Feb-07	PUF-12	310	3.3	0.0106	1
20-Feb-07	PUF-12	313	34.0	0.1086	11
21-Feb-07	PUF-12	353	54.0	0.153	15
22-Feb-07	PUF-12	334	58.0	0.1737	17
27-Feb-07	PUF-12	323	33.0	0.1022	10
28-Feb-07	PUF-12	315	6.3	0.02	2
02-Mar-07	PUF-12	321	15.0	0.0467	5
03-Mar-07	PUF-12	311	24.0	0.0772	8
04-Mar-07	PUF-12	326	19.0	0.0583	6
05-Mar-07	PUF-12	314	34.0	0.1083	11
06-Mar-07	PUF-12	325	7.8	0.024	2
07-Mar-07	PUF-12	466	14.0	0.03	3
08-Mar-07	PUF-12	476	30.0	0.063	6
12-Mar-07	PUF-12	490	33.0	0.0673	7
13-Mar-07	PUF-12	438	19.0	0.0434	4
14-Mar-07	PUF-12	462	28.0	0.0606	6
15-Mar-07	PUF-12	446	7.0	0.0157	2
16-Mar-07	PUF-12	448	45.0	0.1004	10
17-Mar-07	PUF-12	547	98.0	0.1792	18
19-Mar-07	PUF-12	442	54.0	0.1222	12
20-Mar-07	PUF-12	429	11.0	0.0256	3
21-Mar-07	PUF-12	428	12.0	0.028	3
29-Mar-07	PUF-12	405	18.0	0.0444	4
30-Mar-07	PUF-12	427	48.0	0.1124	11

TABLE C 2.23

**STATION 22C PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass <i>μg</i>	PCB Concentration <i>μg/m</i> ³	Percent Allowable %
20-May-08	PUF-18	389	25	0.0643	6
22-May-08	PUF-18	410	38	0.0927	9
27-May-08	PUF-18	394	33	0.0838	8
29-May-08	PUF-18	63	*	*	*
30-May-08	PUF-18	424	2.6	0.0061	1
2-Jun-08	PUF-18	397	9.9	0.0249	2
18-Aug-08	PUF-18	316	38	0.1203	12
20-Aug-08	PUF-18	325	18	0.0554	6
21-Aug-08	PUF-18	317	22	0.0694	7
22-Aug-08	PUF-18	338	50	0.1479	15
23-Aug-08	PUF-18	365	73	0.2	20
27-Aug-08	PUF-18	324	53	0.1636	16
28-Aug-08	PUF-18	330	22	0.0667	7
2-Sep-08	PUF-18	348	52	0.1494	15
4-Sep-08	PUF-18	306	13	0.0425	4
5-Sep-08	PUF-18	316	80	0.2532	25
6-Sep-08	PUF-18	369	64	0.1734	17
8-Sep-08	PUF-18	349	76	0.2178	22
10-Sep-08	PUF-18	347	20	0.0576	6
11-Sep-08	PUF-18	314	21	0.0669	7
13-Sep-08	PUF-18	319	4	0.0125	1
22-Sep-08	PUF-18	312	32	0.1026	10
23-Sep-08	PUF-18	338	44	0.1302	13
24-Sep-08	PUF-18	342	70	0.2047	20
25-Sep-08	PUF-18	369	50	0.1355	14
26-Sep-08	PUF-18	310	55	0.1774	18
27-Sep-08	PUF-18	410	36	0.0878	9
29-Sep-08	PUF-18	318	4.7	0.0148	1
30-Sep-08	PUF-18	328	2.4	0.0073	1
1-Oct-08	PUF-18	336	6.5	0.0193	2
2-Oct-08	PUF-18	325	2.5	0.0077	1
3-Oct-08	PUF-18	298	5.5	0.0185	2
4-Oct-08	PUF-18	356	8.3	0.0233	2
6-Oct-08	PUF-18	325	4.4	0.0135	1
7-Oct-08	PUF-18	322	5.7	0.0177	2

Notes:

* Results not reported due to machine malfunction.

TABLE C 2.24

**STATION 29B PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass <i>μg</i>	PCB Concentration <i>μg/m</i> ³	Percent Allowable %
20-May-08	PUF-5	224	*	*	*
22-May-08	PUF-5	210	*	*	*
27-May-08	PUF-5	306	5.6	0.0183	2
29-May-08	PUF-5	381	10	0.0262	3
30-May-08	PUF-5	435	27	0.0621	6
2-Jun-08	PUF-5	373	14	0.0375	4
17-Jun-08	PUF-5	349	9.9	0.0284	3
19-Aug-08	PUF-5	360	4.6	0.0128	1
20-Aug-08	PUF-5	336	2.5	0.0074	1
21-Aug-08	PUF-5	330	6.7	0.0203	2
22-Aug-08	PUF-5	338	5.1	0.0151	2
23-Aug-08	PUF-5	393	15	0.0382	4
26-Aug-08	PUF-5	342	2.1	0.0061	1
27-Aug-08	PUF-5	336	4.6	0.0137	1
28-Aug-08	PUF-5	355	15	0.0423	4
2-Sep-08	PUF-5	381	6.2	0.0163	2
3-Sep-08	PUF-5	364	7	0.0192	2
4-Sep-08	PUF-5	340	6	0.0176	2
5-Sep-08	PUF-5	347	23	0.0663	7
6-Sep-08	PUF-5	400	12	0.03	3
8-Sep-08	PUF-5	363	6.9	0.019	2
9-Sep-08	PUF-5	366	2.9	0.0079	1
10-Sep-08	PUF-5	359	2.2	0.0061	1
11-Sep-08	PUF-5	342	3.8	0.0111	1
13-Sep-08	PUF-5	388	5.8	0.0149	1
15-Sep-08	PUF-5	351	3.7	0.0105	1
16-Sep-08	PUF-5	369	4.5	0.0122	1
17-Sep-08	PUF-5	359	2.9	0.0081	1
18-Sep-08	PUF-5	361	1.8	0.005	0
19-Sep-08	PUF-5	80	*	*	*
22-Sep-08	PUF-5	15	*	*	*
23-Sep-08	PUF-5	185	*	*	*
29-Sep-08	PUF-5	344	12	0.0349	3
30-Sep-08	PUF-5	327	8.2	0.0251	3
1-Oct-08	PUF-5	358	4.8	0.0134	1
2-Oct-08	PUF-5	340	3.5	0.0103	1
3-Oct-08	PUF-5	337	4.4	0.0131	1
4-Oct-08	PUF-5	398	1.7	0.0043	0
6-Oct-08	PUF-5	366	1.2	0.0033	0
7-Oct-08	PUF-5	350	2.2	0.0063	1

Notes:

* Results not reported due to machine malfunction.

TABLE C 2.25

**STATION 40 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass <i>μg</i>	PCB Concentration <i>μg/m</i> ³	Percent Allowable %
15-May-08	PUF-22	461	2.9	0.0063	1
18-May-08	PUF-22	498	3.2	0.0064	1
20-May-08	PUF-22	476	9.9	0.0208	2
22-May-08	PUF-22	520	9.6	0.0185	2
27-May-08	PUF-22	462	8	0.0173	2
29-May-08	PUF-22	446	2.3	0.0052	1
30-May-08	PUF-22	497	4.4	0.0089	1
02-Jun-08	PUF-22	468	4.5	0.0096	1
18-Aug-08	PUF-22	436	8	0.0183	2
19-Aug-08	PUF-22	398	2.1	0.0053	1
20-Aug-08	PUF-22	414	0.6	0.0014	0
21-Aug-08	PUF-22	421	1.5	0.0036	0
22-Aug-08	PUF-22	0	*	*	*
23-Aug-08	PUF-22	0	*	*	*
26-Aug-08	PUF-22	407	1.7	0.0042	0
27-Aug-08	PUF-22	415	6.4	0.0154	2
28-Aug-08	PUF-22	436	4.3	0.0099	1
02-Sep-08	PUF-22	0	*	*	*
04-Sep-08	PUF-22	451	8.2	0.0182	2
05-Sep-08	PUF-22	406	28	0.069	7
06-Sep-08	PUF-22	471	14	0.0297	3
08-Sep-08	PUF-22	470	11	0.0234	2
09-Sep-08	PUF-22	421	3.8	0.009	1
10-Sep-08	PUF-22	450	6.4	0.0142	1
11-Sep-08	PUF-22	423	2.4	0.0057	1
13-Sep-08	PUF-22	493	2.6	0.0053	1
19-Sep-08	PUF-22	476	7.5	0.0158	2
22-Sep-08	PUF-22	407	6.8	0.0167	2
23-Sep-08	PUF-22	384	17	0.0443	4
24-Sep-08	PUF-22	434	12	0.0276	3
25-Sep-08	PUF-22	461	6.9	0.015	2
26-Sep-08	PUF-22	389	19	0.0488	5
27-Sep-08	PUF-22	473	13	0.0275	3
29-Sep-08	PUF-22	410	25	0.061	6
30-Sep-08	PUF-22	402	51	0.1269	13
01-Oct-08	PUF-22	433	21	0.0485	5
02-Oct-08	PUF-22	350	1.1	0.0031	0
03-Oct-08	PUF-22	328	6.3	0.0192	2
04-Oct-08	PUF-22	435	6.2	0.0143	1
06-Oct-08	PUF-22	409	1	0.0024	0
07-Oct-08	PUF-22	416	0.8	0.0019	0

Notes:

* Results not reported due to machine malfunction.

TABLE C 2.26

**STATION 41 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass <i>µg</i>	PCB Concentration <i>µg/m</i> ³	Percent Allowable %
15-May-08	PUF-23	418	5.9	0.0141	1
18-May-08	PUF-23	454	1.9	0.0042	0
20-May-08	PUF-23	439	3.6	0.0082	1
22-May-08	PUF-23	459	16	0.0349	3
27-May-08	PUF-23	423	19	0.0449	4
29-May-08	PUF-23	2	*	*	*
30-May-08	PUF-23	0	*	*	*
02-Jun-08	PUF-23	4	*	*	*
18-Aug-08	PUF-23	386	12	0.0311	3
19-Aug-08	PUF-23	350	16	0.0457	5
20-Aug-08	PUF-23	377	11	0.0292	3
21-Aug-08	PUF-23	384	4.1	0.0107	1
22-Aug-08	PUF-23	391	9	0.023	2
23-Aug-08	PUF-23	385	29	0.0753	8
26-Aug-08	PUF-23	361	23	0.0637	6
27-Aug-08	PUF-23	369	26	0.0705	7
28-Aug-08	PUF-23	370	3.4	0.0092	1
02-Sep-08	PUF-23	399	20	0.0501	5
03-Sep-08	PUF-23	383	8.5	0.0222	2
04-Sep-08	PUF-23	370	1	0.0027	0
08-Sep-08	PUF-23	414	17	0.0411	4
09-Sep-08	PUF-23	351	16	0.0456	5
10-Sep-08	PUF-23	388	30	0.0773	8
11-Sep-08	PUF-23	311	9.2	0.0296	3
13-Sep-08	PUF-23	427	2.6	0.0061	1
15-Sep-08	PUF-23	364	9.4	0.0258	3
16-Sep-08	PUF-23	398	21	0.0528	5
17-Sep-08	PUF-23	351	22	0.0627	6
18-Sep-08	PUF-23	377	18	0.0477	5
19-Sep-08	PUF-23	372	18	0.0484	5
22-Sep-08	PUF-23	340	0	ND(0.0015)	--
23-Sep-08	PUF-23	318	31	0.0975	10
24-Sep-08	PUF-23	133	*	*	*
26-Sep-08	PUF-23	385	33	0.0857	9
27-Sep-08	PUF-23	359	27	0.0752	8
29-Sep-08	PUF-23	328	3.7	0.0113	1
30-Sep-08	PUF-23	346	1.7	0.0049	0
01-Oct-08	PUF-23	202	*	*	*
02-Oct-08	PUF-23	18	*	*	*
03-Oct-08	PUF-23	302	5.6	0.0185	2
04-Oct-08	PUF-23	400	14	0.035	4
06-Oct-08	PUF-23	362	20	0.0552	6
07-Oct-08	PUF-23	368	1.7	0.0046	0

Notes:

- * Results not reported due to machine malfunction.
- ND Not detected.

TABLE C 2.27

**STATION 42 PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

Date	Unit ID	Total Volume <i>m</i> ³	Total PCB Mass <i>μg</i>	PCB Concentration <i>μg/m</i> ³	Percent Allowable %
18-May-08	PUF-12	529	10	0.0189	2
20-May-08	PUF-12	488	16	0.0328	3
22-May-08	PUF-12	551	5.5	0.01	1
27-May-08	PUF-12	489	9.5	0.0194	2
29-May-08	PUF-12	458	8.5	0.0186	2
30-May-08	PUF-12	514	16	0.0311	3
02-Jun-08	PUF-12	450	8.8	0.0196	2
18-Aug-08	PUF-12	360	6.4	0.0178	2
19-Aug-08	PUF-12	334	5.8	0.0174	2
20-Aug-08	PUF-12	380	1.3	0.0034	0
21-Aug-08	PUF-12	384	4.4	0.0115	1
22-Aug-08	PUF-12	403	7.5	0.0186	2
23-Aug-08	PUF-12	411	9.6	0.0234	2
26-Aug-08	PUF-12	370	2.2	0.0059	1
27-Aug-08	PUF-12	380	5.6	0.0147	1
28-Aug-08	PUF-12	402	6.5	0.0162	2
02-Sep-08	PUF-12	432	7.6	0.0176	2
03-Sep-08	PUF-12	412	4.7	0.0114	1
04-Sep-08	PUF-12	374	4.8	0.0128	1
05-Sep-08	PUF-12	388	21	0.0541	5
06-Sep-08	PUF-12	430	12	0.0279	3
08-Sep-08	PUF-12	415	13	0.0313	3
09-Sep-08	PUF-12	386	3.3	0.0085	1
10-Sep-08	PUF-12	412	3.6	0.0087	1
11-Sep-08	PUF-12	381	6.5	0.0171	2
13-Sep-08	PUF-12	430	11	0.0256	3
15-Sep-08	PUF-12	390	6.4	0.0164	2
16-Sep-08	PUF-12	415	5.2	0.0125	1
17-Sep-08	PUF-12	400	69	0.1725	17
18-Sep-08	PUF-12	392	4.6	0.0117	1
19-Sep-08	PUF-12	494	11	0.0223	2
22-Sep-08	PUF-12	382	7.6	0.0199	2
23-Sep-08	PUF-12	401	6.6	0.0165	2
24-Sep-08	PUF-12	398	10	0.0251	3
25-Sep-08	PUF-12	436	8.1	0.0186	2
26-Sep-08	PUF-12	364	15	0.0412	4
27-Sep-08	PUF-12	487	9.4	0.0193	2
29-Sep-08	PUF-12	387	45	0.1163	12
30-Sep-08	PUF-12	395	2.4	0.0061	1
01-Oct-08	PUF-12	409	7	0.0171	2
02-Oct-08	PUF-12	382	9.6	0.0251	3
03-Oct-08	PUF-12	379	14	0.0369	4
04-Oct-08	PUF-12	449	3.6	0.008	1
06-Oct-08	PUF-12	409	3	0.0073	1
07-Oct-08	PUF-12	406	7.6	0.0187	2

TABLE C.2.28

STATION 1C PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
21-Jun-06	PUF-16	168	11.0	0.0655	7
22-Jun-06	PUF-16	214	56.0	0.2617	26
23-Jun-06	PUF-16	205	18.0	0.0878	9
24-Jun-06	PUF-16	213	18.0	0.0845	8
26-Jun-06	PUF-16	200	65.0	0.325	32
27-Jun-06	PUF-16	215	18.0	0.0837	8
28-Jun-06	PUF-16	229	56.0	0.2445	24
29-Jun-06	PUF-16	215	52.0	0.2419	24
30-Jun-06	PUF-16	512	240.0	0.4688	47
3-Jul-06	PUF-16	468	6.4	0.0137 J	1
5-Jul-08	PUF-16	369	7.2	0.0195	2
6-Jul-08	PUF-16	475	10.0	0.0211	2
7-Jul-08	PUF-16	403	14.0	0.0347	3
8-Jul-06	PUF-16	470	120.0	0.2553 J	26
10-Jul-06	PUF-16	427	350.0	0.8197	82
17-Jul-06	PUF-16	421	380.0	0.9026	90
18-Jul-06	PUF-16	409	56.0	0.1369	14
19-Jul-06	PUF-16	435	550.0	1.2644	126 ⁽¹⁾
20-Jul-06	PUF-16	425	220.0	0.5176	52
21-Jul-06	PUF-16	391	140.0	0.3581	36
22-Jul-06	PUF-16	525	26.0	0.0495	5
24-Jul-06	PUF-16	386	65.0	0.1684	17
25-Jul-06	PUF-16	424	560.0	1.3208	132 ⁽¹⁾
26-Jul-06	PUF-16	445	42.0	0.0944	9
28-Jul-06	PUF-16	421	59.0	0.1401	14
29-Jul-06	PUF-16	435	210.0	0.4828	48
31-Jul-06	PUF-16	373	520.0	1.3941	139 ⁽¹⁾
1-Aug-06	PUF-16	452	360.0	0.7965	80
2-Aug-06	PUF-16	432	15.0	0.0347	3
3-Aug-06	PUF-16	448	14.0	0.0312	3
4-Aug-06	PUF-16	427	20.0	0.0468	5
5-Aug-06	PUF-16	505	37.0	0.0733	7
7-Aug-06	PUF-16	436	24.0	0.055	6
8-Aug-06	PUF-16	356	73.0	0.2051	21
9-Aug-06	PUF-16	432	140.0	0.3241	32
10-Aug-06	PUF-16	422	91.0	0.2156	22
11-Aug-06	PUF-16	431	19.0	0.0441	4
12-Aug-06	PUF-16	514	26.0	0.0506	5
14-Aug-06	PUF-16	435	15.0	0.0345	3
15-Aug-06	PUF-16	440	14.0	0.0318	3
16-Aug-06	PUF-16	430	18.0	0.0419	4
17-Aug-06 - AM setup	PUF-16	215	60.0	0.2791	28 ^(t)
17-Aug-06 - PM setup	PUF-16	221	25.0	0.1131	11 ^(t)
18-Aug-06 - AM setup	PUF-16	204	8.6	0.0422	4 ^(t)
18-Aug-06 - PM setup	PUF-16	232	140.0	0.6034	60 ^(t)
19-Aug-06 - AM setup	PUF-16	196	8.7	0.0444	4 ^(t)
19-Aug-06 - PM setup	PUF-16	217	23.0	0.106	11 ^(t)
21-Aug-06	PUF-16	487	36.0	0.0739	7
22-Aug-06	PUF-16	464	18.0	0.0388	4
23-Aug-06	PUF-16	467	69.0	0.1478	15
24-Aug-06	PUF-16	423	150.0	0.3546	35
25-Aug-06	PUF-16	426	220.0	0.5164 J	52
26-Aug-06	PUF-16	524	220.0	0.4198	42
29-Aug-06	PUF-16	418	12.0	0.0287	3
30-Aug-06	PUF-16	450	29.0	0.0644	6
31-Aug-06	PUF-16	467	5.2	0.0111	1
5-Sep-06	PUF-16	412	11.0	0.0267	3

TABLE C 2.28

**STATION 1C PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
6-Sep-06	PUF-16	422	45.0	0.1066	11
7-Sep-06	PUF-16	450	110.0	0.2444	24
8-Sep-06	PUF-16	492	110.0	0.2236	22
9-Sep-06	PUF-16	543	110.0	0.2026	20
11-Sep-06	PUF-16	499	380.0	0.7615	76
14-Sep-06	PUF-16	481	23.0	0.0478	5
15-Sep-06	PUF-16	538	120.0	0.223	22
16-Sep-06	PUF-16	487	340.0	0.6982	70
18-Sep-06	PUF-16	454	7.9	0.0174	2
19-Sep-06	PUF-16	469	4.4	0.0094	1
20-Sep-06	PUF-16	470	21.0	0.0447	4
21-Sep-06	PUF-16	477	180.0	0.3774	38
25-Sep-06	PUF-16	472	16.0	0.0339	3
26-Sep-06	PUF-16	485	180.0	0.3711	37
27-Sep-06	PUF-16	441	14.0	0.0317	3
28-Sep-06	PUF-16	495	13.0	0.0263	3
29-Sep-06	PUF-16	465	72.0	0.1548	15
30-Sep-06	PUF-16	538	11.0	0.0204	2
2-Oct-06	PUF-16	500	140.0	0.28	28
4-Oct-06	PUF-16	436	12.0	0.0275	3
5-Oct-06	PUF-16	443	2.6	0.0059	1
6-Oct-06	PUF-16	422	10.0	0.0237	2
7-Oct-06	PUF-16	529	27.0	0.051	5
9-Oct-06	PUF-16	412	87.0	0.2112	21
10-Oct-06	PUF-16	439	170.0	0.3872	39
11-Oct-06	PUF-16	411	3.9	0.0095	1
12-Oct-06	PUF-16	410	1.5	0.0037	0
13-Oct-06	PUF-16	455	1.5	0.0033	0
14-Oct-06	PUF-16	449	11.0	0.0245	2
16-Oct-06	PUF-16	447	110.0	0.2461	25
17-Oct-06	PUF-16	421	45.0	0.1069	11
18-Oct-06	PUF-16	466	200.0	0.4292	43
19-Oct-06	PUF-16	447	2.4	0.0054	1
20-Oct-06	PUF-16	476	37.0	0.0777	8
21-Oct-06	PUF-16	511	91.0	0.1781	18
23-Oct-06	PUF-16	466	1.5	0.0032	0
24-Oct-06	PUF-16	463	8.6	0.0186	2
25-Oct-06	PUF-16	498	74.0	0.1486	15
26-Oct-06	PUF-16	450	99.0	0.22	22
27-Oct-06	PUF-16	460	13.0	0.0283	3
28-Oct-06	PUF-16	475	2.3	0.0048	0
30-Oct-06	PUF-16	436	12.0	0.0275	3
31-Oct-06	PUF-16	456	3.8	0.0083	1
1-Nov-06	PUF-16	449	1.2	0.0027	0
2-Nov-06	PUF-16	484	5.3	0.011	1
3-Nov-06	PUF-16	483	28.0	0.058	6
4-Nov-06	PUF-16	524	89.0	0.1698	17
6-Nov-06	PUF-16	449	96.0	0.2138	21
7-Nov-06	PUF-16	470	68.0	0.1447	14
8-Nov-06	PUF-16	468	78.0	0.1667	17
9-Nov-06	PUF-16	474	130.0	0.2743	27
10-Nov-06	PUF-16	462	49.0	0.1061	11
11-Nov-06	PUF-16	548	1.7	0.0031	0
12-Nov-06	PUF-16	456	32.0	0.0702	7
13-Nov-06	PUF-16	487	38.0	0.078	8
14-Nov-06	PUF-16	480	72.0	0.15	15
15-Nov-06	PUF-16	437	5.7	0.013	1

TABLE C.2.28

**STATION 1C PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
17-Nov-06	PUF-16	512	36.0	0.0703	7
18-Nov-06	PUF-16	452	2.1	0.0046	0
19-Nov-06	PUF-16	338	1.0	0.003	0
20-Nov-06	PUF-16	467	32.0	0.0685	7
21-Nov-06	PUF-16	387	65.0	0.168	17
27-Nov-06	PUF-16	442	150.0	0.3394	34
28-Nov-06	PUF-16	454	150.0	0.3304	33
29-Nov-06	PUF-16	477	140.0	0.2935	29
30-Nov-06	PUF-16	439	4.1	0.0093	1
4-Dec-06	PUF-16	464	0.6	0.0012	0
5-Dec-06	PUF-16	444	27.0	0.0608	6
6-Dec-06	PUF-16	458	1.2	0.0026	0
7-Dec-06	PUF-16	488	0.0	ND(0.001)	0
11-Dec-06	PUF-16	433	160.0	0.3695	37
13-Dec-06	PUF-16	456	7.4	0.0162	2
14-Dec-06	PUF-16	433	5.5	0.0127	1
15-Dec-06	PUF-16	438	25.0	0.0571	6
16-Dec-06	PUF-16	485	59.0	0.1216	12
18-Dec-06	PUF-16	422	3.0	0.0071	1
19-Dec-06	PUF-16	430	27.0	0.0628	6
20-Dec-06	PUF-16	455	35.0	0.0769	8
2-Jan-07	PUF-16	395	39.0	0.0987	10
3-Jan-07	PUF-16	444	17.0	0.0383	4
4-Jan-07	PUF-16	463	38.0	0.0821	8
5-Jan-07	PUF-16	435	23.0	0.0529	5
6-Jan-07	PUF-16	527	9.6	0.0182	2
8-Jan-07	PUF-16	388	0.9	0.0023	0
9-Jan-07	PUF-16	425	0.0	ND(0.0012)	0
10-Jan-07	PUF-16	448	19.0	0.0424	4
11-Jan-07	PUF-16	434	6.0	0.0138	1
12-Jan-07	PUF-16	469	9.7	0.0207	2
17-Jan-07	PUF-16	428	25.0	0.0584	6
26-Jan-07	PUF-16	468	1.3	0.0028	0
29-Jan-07	PUF-16	455	0.7	0.0016	0
31-Jan-07	PUF-16	355	0.8	0.0022	0
16-Feb-07	PUF-16	382	1.2	0.0031	0
19-Feb-07	PUF-16	397	1.2	0.003	0
21-Feb-07	PUF-16	384	19.0	0.0495	5
7-May-07	PUF-16	412	110.0	0.267	27
21-May-07	PUF-16	440	20.0	0.0455	5
30-May-07	PUF-16	438	61.0	0.1393	14
18-Jun-07	PUF-16	423	90.0	0.2128	21
26-Jun-07	PUF-16	421	41.0	0.0974	10
9-Jul-07	PUF-16	373	44.0	0.118	12
16-Jul-07	PUF-16	359	24.0	0.0669	7
5-Sep-07	PUF-16	379	52.0	0.1372	14
11-Sep-07	PUF-16	432	5.6	0.013	1
18-Sep-07	PUF-16	442	48.0	0.1086	11
24-Sep-07	PUF-16	447	38.0	0.085	8
1-Oct-07	PUF-16	452	43.0	0.0951	10
15-Oct-07	PUF-16	454	36.0	0.0793	8
15-Nov-07	PUF-16	444	1.2	0.0027	0
26-Feb-08	PUF-16	455	0.0	ND(0.0011)	0
5-Mar-08	PUF-16	455	3.4	0.0075	1
20-Mar-08	PUF-16	440	7.8	0.0177	2
26-Mar-08	PUF-16	428	6.0	0.014	1
3-Apr-08	PUF-16	471	6.4	0.0136	1

TABLE C 2.28

**STATION 1C PCB AIR MONITORING RESULTS
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Date</i>	<i>Unit ID</i>	<i>Total Volume</i> <i>m³</i>	<i>Total PCB Mass</i> <i>µg</i>	<i>PCB Concentration</i> <i>µg/m³</i>	<i>Percent Allowable</i> <i>%</i>
24-Apr-08	PUF-16	452	44.0	0.0973	10
1-May-08	PUF-16	414	5.0	0.0121	1
6-May-08	PUF-16	423	7.0	0.0165	2
4-Jun-08	PUF-16	401	29.0	0.0723 J	7
12-Jun-08	PUF-16	411	56.0	0.1363	14
06-Aug-08	PUF-16	459	3.1	0.0068	1
07-Aug-08	PUF-16	438	2.4	0.0055	1
08-Aug-08	PUF-16	454	6.1	0.0134	1
11-Aug-08	PUF-16	438	3.8	0.0087	1
12-Aug-08	PUF-16	439	5	0.0114	1
13-Aug-08	PUF-16	443	4.8	0.0108	1
14-Aug-08	PUF-16	454	3.6	0.0079	1
15-Aug-08	PUF-16	443	3	0.0068	1
18-Aug-08	PUF-16	488	5.4	0.0111	1
19-Aug-08	PUF-16	425	5.7	0.0134	1
20-Aug-08	PUF-16	441	4.8	0.0109	1
21-Aug-08	PUF-16	435	30	0.069	7
22-Aug-08	PUF-16	460	14	0.0304	3
23-Aug-08	PUF-16	478	6	0.0126	1
25-Aug-08	PUF-16	421	1.3	0.0031	0
26-Aug-08	PUF-16	406	1.5	0.0037	0
27-Aug-08	PUF-16	442	9.9	0.0224	2
05-Sep-08	PUF-16	476	1.2	0.0025	0
06-Sep-08	PUF-16	392	6.3	0.0161	2
08-Sep-08	PUF-16	456	14	0.0307	3
10-Sep-08	PUF-16	468	18	0.0385	4
11-Sep-08	PUF-16	442	24	0.0543	5
13-Sep-08	PUF-16	516	7.2	0.014	1
16-Sep-08	PUF-16	453	3.2	0.0071	1
17-Sep-08	PUF-16	461	5.5	0.0119	1
18-Sep-08	PUF-16	457	6.7	0.0147	1
19-Sep-08	PUF-16	527	18	0.0342	3
22-Sep-08	PUF-16	432	15	0.0347	3
23-Sep-08	PUF-16	439	15	0.0342	3
24-Sep-08	PUF-16	449	18	0.0401	4
25-Sep-08	PUF-16	450	3.4	0.0076	1
26-Sep-08	PUF-16	485	2.4	0.0049	0
27-Sep-08	PUF-16	559	9.7	0.0174	2
29-Sep-08	PUF-16	437	4.1	0.0094	1
30-Sep-08	PUF-16	124	*	*	*
1-Oct-08	PUF-16	476	1.8	0.0038	0
2-Oct-08	PUF-16	432	2.4	0.0056	1
3-Oct-08	PUF-16	406	4.8	0.0118	1

Notes:

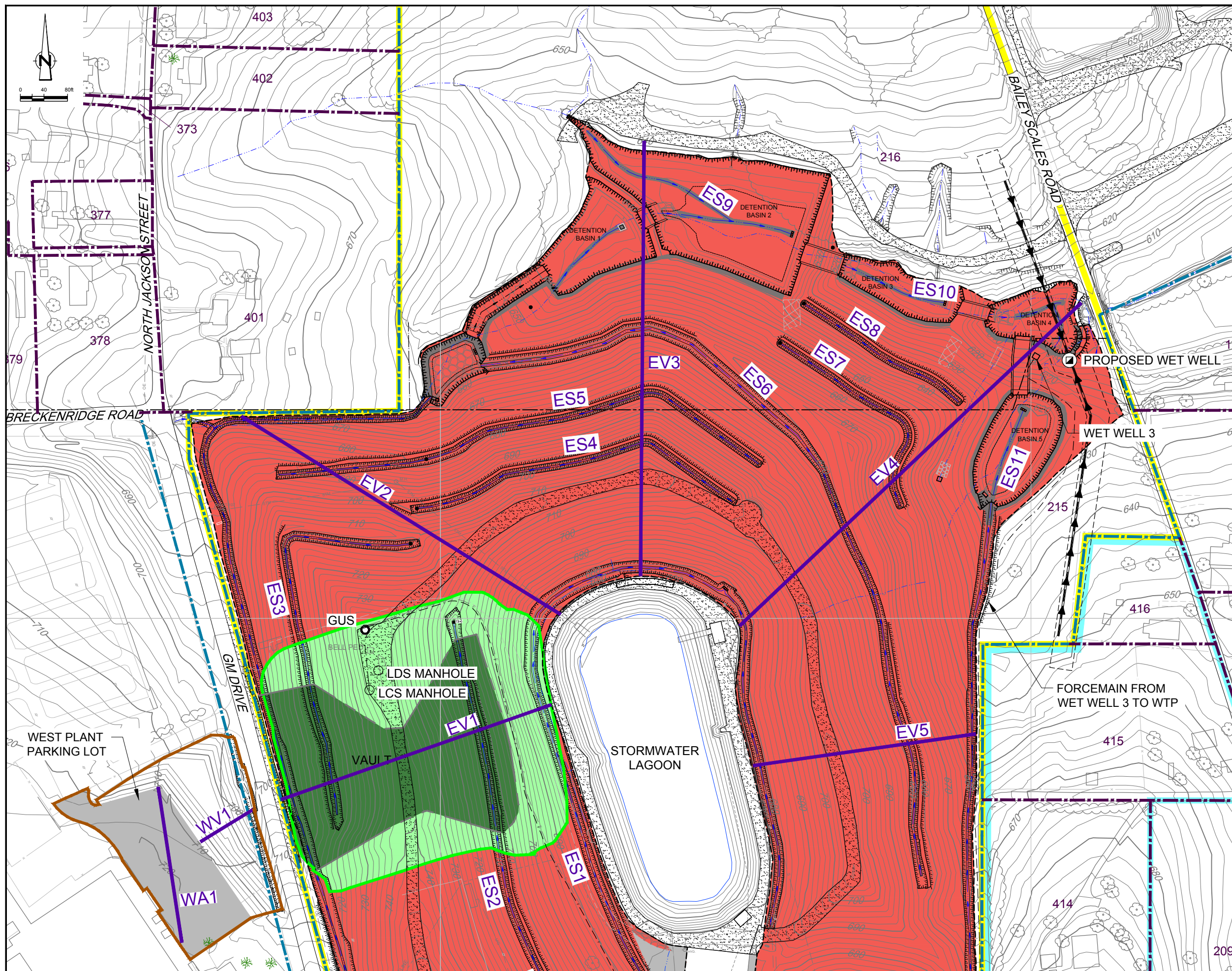
- * Results not reported due to machine malfunction
- J Estimated result. Results if less than the reporting limit.
- NR No result because machine was not setup
- ([†]) Result is based on a sampling time of 12 hours
- (¹) Exceedance primarily attributed to >50 ppm soil placement into the vault.

Appendix D

Cover System Monitoring Forms and SSC and Stormwater WTP Inspection Summaries

D.1: Cover System Monitoring Forms and Figures

D.2: SSC and Stormwater WTP Inspection Summaries



LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- EXISTING FENCE LINE
- EXISTING RAILROAD TRACKS
- EXISTING DIRT ROADS
- EXISTING ROADS / PAVED AREAS
- EXISTING ELECTRICAL POWER LINE
- EXISTING FORCEMAIN TO TREATMENT FACILITY
- EXISTING OVERHEAD ELECTRICAL POWER LINE
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE GM PROPERTY BOUNDARY
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING STORM SEWER
- WEST PLANT COVER LIMIT
- VAULT LIMIT
- EAST PLANT COVER LIMIT
- DRAINAGE DITCH
- ASPHALT PAVEMENT AREA
- LOW FLOW CHANNEL
- EAST PLANT AREA
- GM LLC OWNED RESIDENTIAL
- EAST PLANT COVER SYSTEM
- FINAL VAULT COVER SYSTEM AT SURFACE
- FINAL VAULT COVER SYSTEM BURIED BY EAST PLANT AREA COVER SYSTEM
- GRAVEL BED
- PAVED COVER SURFACE
- PROPOSED PILOT TRENCH
- VAULT GROUNDWATER UNDERDRAIN SYSTEM SUMP
- LEAK DETECTION SYSTEM SUMP
- LEACHATE COLLECTION SYSTEM SUMP
- TRANSECT

TRANSECT LABELING

- E EAST PLANT COVER
- V VEGETATIVE COVER
- A ASPHALT COVER
- W WEST PLANT COVER
- S SWALE

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

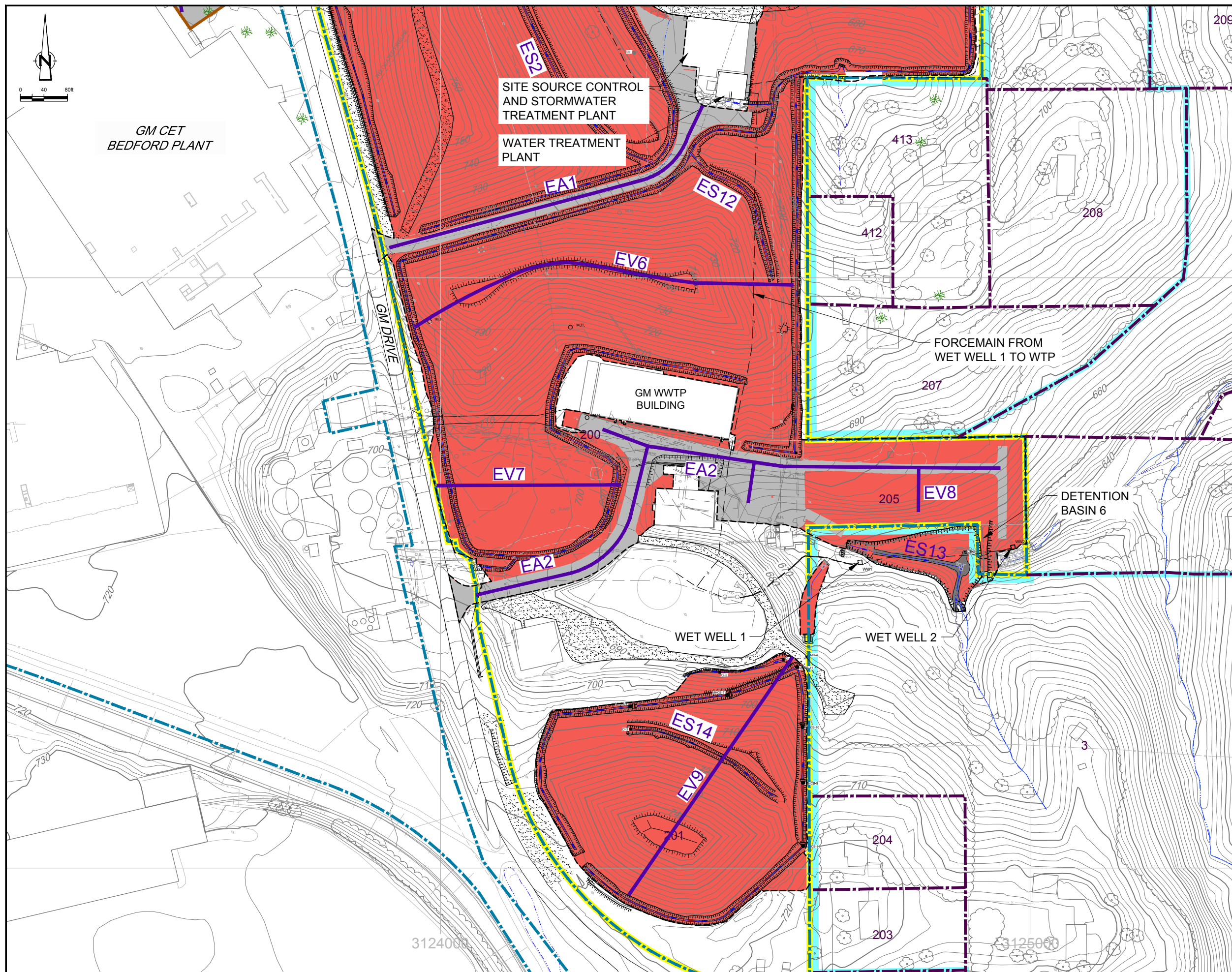
**GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

INTERIM OPERATIONS, MAINTENANCE AND MONITORING PLAN
EAST PLANT COVER SYSTEM
**EAST PLANT COVER SYSTEM INSPECTIONS
NORTHERN SECTION AND WEST PLANT
COVER SYSTEM INSPECTIONS**



Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001
AND CRA SURVEYS 2002 TO 2008

Project Manager: J.M.	Reviewed By: P.G.	Date: FEBRUARY 2015
Scale: 1:80	Project N ^o : 13968-00	Report N ^o : 350 Drawing N ^o : figure D.1



LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- EXISTING FENCE LINE
- EXISTING RAILROAD TRACKS
- EXISTING DIRT ROADS
- EXISTING ROADS / PAVED AREAS
- EXISTING ELECTRICAL POWER LINE
- EXISTING FORCEMAIN TO TREATMENT FACILITY
- EXISTING OVERHEAD ELECTRICAL POWER LINE
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE GM PROPERTY BOUNDARY
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING STORM SEWER
- WEST PLANT COVER LIMIT
- VAULT LIMIT
- EAST PLANT COVER LIMIT
- DRAINAGE DITCH
- ASPHALT PAVEMENT AREA
- LOW FLOW CHANNEL
- EAST PLANT AREA
- GM LLC OWNED RESIDENTIAL
- EAST PLANT COVER SYSTEM
- FINAL VAULT COVER SYSTEM AT SURFACE
- FINAL VAULT COVER SYSTEM BURIED BY EAST PLANT AREA COVER SYSTEM
- GRAVEL BED
- PAVED COVER SURFACE
- PROPOSED PILOT TRENCH
- VAULT GROUNDWATER UNDERDRAIN SYSTEM SUMP
- LEAK DETECTION SYSTEM SUMP
- LEACHATE COLLECTION SYSTEM SUMP
- TRANSECT

TRANSECT LABELING

- E EAST PLANT COVER
- V VEGETATIVE COVER
- A ASPHALT COVER
- W WEST PLANT COVER
- S SWALE

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

**GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

INTERIM OPERATIONS, MAINTENANCE AND MONITORING PLAN
EAST PLANT COVER SYSTEM

**EAST PLANT COVER SYSTEM INSPECTIONS
SOUTHERN SECTION**

CRA CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001
AND CRA SURVEYS 2002 TO 2008

Project Manager: J.M.	Reviewed By: P.G.	Date: FEBRUARY 2015
Scale: 1:80	Project N°: 13968-00	Report N°: 350
		Drawing N°: figure D.2

13968-00(350)GN-WA007 FEB 25/2015

TABLE D.1

COVER SYSTEMS INSPECTION LOG
 CONSTRUCTION CERTIFICATION REPORT EAST PLANT COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

Date of Inspection: _____

Weather: _____

Inspector: _____

Temperature: _____

ITEM	TYPES OF PROBLEMS	CHECKED		DETAILED ACTIONS REQUIRED	DATE AND NATURE OF ACTIONS COMPLETED
		NO PROBLEMS	CORRECTIVE ACTION REQUIRED		
VEGETATED SOIL COVER SYSTEM					
Transect EV1	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
	- EXPOSURE OF LINER				
	- EROSION				
	- LOCALIZED SETTLEMENT/SLUMPING				
	- PONDING OF WATER/DRAINAGE				
	- SIGNS OF BURROWING BY ANIMALS				
	- ROOTING OF TREES				
Transect EV2	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
	- EXPOSURE OF LINER				
	- EROSION				
	- LOCALIZED SETTLEMENT/SLUMPING				
	- PONDING OF WATER/DRAINAGE				
	- SIGNS OF BURROWING BY ANIMALS				
	- ROOTING OF TREES				

TABLE D.1

COVER SYSTEMS INSPECTION LOG
 CONSTRUCTION CERTIFICATION REPORT EAST PLANT COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

ITEM	TYPES OF PROBLEMS	CHECKED		DETAILED ACTIONS REQUIRED	DATE AND NATURE OF ACTIONS COMPLETED	
		NO PROBLEMS	CORRECTIVE ACTION REQUIRED			
VEGETATED SOIL COVER SYSTEM (CONTINUED)						
	Transect EV3	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EXPPOSURE OF LINER				
		- EROSION				
		- LOCALIZED SETTLEMENT/SLUMPING				
		- PONDING OF WATER/DRAINAGE				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				
	Transect EV4	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EXPPOSURE OF LINER				
		- EROSION				
		- LOCALIZED SETTLEMENT/SLUMPING				
		- PONDING OF WATER/DRAINAGE				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				
	Transect EV5	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EXPPOSURE OF LINER				
		- EROSION				
		- LOCALIZED SETTLEMENT/SLUMPING				
		- PONDING OF WATER/DRAINAGE				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				

TABLE D.1

**COVER SYSTEMS INSPECTION LOG
CONSTRUCTION CERTIFICATION REPORT EAST PLANT COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

ITEM	TYPES OF PROBLEMS	CHECKED		DETAILED ACTIONS REQUIRED	DATE AND NATURE OF ACTIONS COMPLETED	
		NO PROBLEMS	CORRECTIVE ACTION REQUIRED			
VEGETATED SOIL COVER SYSTEM (CONTINUED)						
	Transect EV6	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EXPOSURE OF LINER				
		- EROSION				
		- LOCALIZED SETTLEMENT/SLUMPING				
		- PONDING OF WATER/DRAINAGE				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				
	Transect EV7	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EXPOSURE OF LINER				
		- EROSION				
		- LOCALIZED SETTLEMENT/SLUMPING				
		- PONDING OF WATER/DRAINAGE				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				
	Transect EV8	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EXPOSURE OF LINER				
		- EROSION				
		- LOCALIZED SETTLEMENT/SLUMPING				
		- PONDING OF WATER/DRAINAGE				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				

TABLE D.1

COVER SYSTEMS INSPECTION LOG
 CONSTRUCTION CERTIFICATION REPORT EAST PLANT COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

ITEM	TYPES OF PROBLEMS	CHECKED		DETAILED ACTIONS REQUIRED	DATE AND NATURE OF ACTIONS COMPLETED	
		NO PROBLEMS	CORRECTIVE ACTION REQUIRED			
VEGETATED SOIL COVER SYSTEM (CONTINUED)						
	Transect EV9	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EXPOSURE OF LINER				
		- EROSION				
		- LOCALIZED SETTLEMENT/SLUMPING				
		- PONDING OF WATER/DRAINAGE				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				
	Transect WV1	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EXPOSURE OF LINER				
		- EROSION				
		- LOCALIZED SETTLEMENT/SLUMPING				
		- PONDING OF WATER/DRAINAGE				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				

TABLE D.1

COVER SYSTEMS INSPECTION LOG
 CONSTRUCTION CERTIFICATION REPORT EAST PLANT COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

ITEM	TYPES OF PROBLEMS	CHECKED		DETAILED ACTIONS REQUIRED	DATE AND NATURE OF ACTIONS COMPLETED
		NO PROBLEMS	CORRECTIVE ACTION REQUIRED		
HARD SURFACE COVER SYSTEMS					
	Transect EA1	- QUALITY OF ASPHALT COVER			
		- PRESENCE OF CRACKING OR DISCOLORATION			
	Transect EA2	- QUALITY OF ASPHALT COVER			
		- PRESENCE OF CRACKING OR DISCOLORATION			
	Transect WA1	- QUALITY OF ASPHALT COVER			
		- PRESENCE OF CRACKING OR DISCOLORATION			
ACCESS ROAD					
	ACCESS ROAD	- EROSION			
		- OBSTRUCTIONS/DEBRIS			
		- POTHoles			
		- DAMAGE CAUSED BY VEHICULAR TRAFFIC			

TABLE D.1

**COVER SYSTEMS INSPECTION LOG
CONSTRUCTION CERTIFICATION REPORT EAST PLANT COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

ITEM	TYPES OF PROBLEMS	CHECKED		DETAILED ACTIONS REQUIRED	DATE AND NATURE OF ACTIONS COMPLETED	
		NO PROBLEMS	CORRECTIVE ACTION REQUIRED			
SWALE/DRAINAGE DITCHES						
	<u>Transect ES1</u>	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EROSION				
		- OBSTRUCTIONS				
		- CULVERT/CATCH BASIN - OBSTRUCTIONS - SEDIMENT ACCUMULATION				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				
	<u>Transect ES2</u>	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EROSION				
		- OBSTRUCTIONS				
		- CULVERT/CATCH BASIN - OBSTRUCTIONS - SEDIMENT ACCUMULATION				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				
	<u>Transect ES3</u>	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EROSION				
		- OBSTRUCTIONS				
		- CULVERT/CATCH BASIN - OBSTRUCTIONS - SEDIMENT ACCUMULATION				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				

**COVER SYSTEMS INSPECTION LOG
CONSTRUCTION CERTIFICATION REPORT EAST PLANT COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

ITEM	TYPES OF PROBLEMS	CHECKED		DETAILED ACTIONS REQUIRED	DATE AND NATURE OF ACTIONS COMPLETED	
		NO PROBLEMS	CORRECTIVE ACTION REQUIRED			
SWALE/DRAINAGE DITCHES (CONTINUED)						
	<u>Transect ES4</u>	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EROSION				
		- OBSTRUCTIONS				
		- CULVERT/CATCH BASIN - OBSTRUCTIONS - SEDIMENT ACCUMULATION				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				
	<u>Transect ES5</u>	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EROSION				
		- OBSTRUCTIONS				
		- CULVERT/CATCH BASIN - OBSTRUCTIONS - SEDIMENT ACCUMULATION				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				
	<u>Transect ES6</u>	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EROSION				
		- OBSTRUCTIONS				
		- CULVERT/CATCH BASIN - OBSTRUCTIONS - SEDIMENT ACCUMULATION				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				

TABLE D.1

**COVER SYSTEMS INSPECTION LOG
CONSTRUCTION CERTIFICATION REPORT EAST PLANT COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

ITEM	TYPES OF PROBLEMS	CHECKED		DETAILED ACTIONS REQUIRED	DATE AND NATURE OF ACTIONS COMPLETED	
		NO PROBLEMS	CORRECTIVE ACTION REQUIRED			
SWALE/DRAINAGE DITCHES (CONTINUED)						
	<u>Transect ES7</u>	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EROSION				
		- OBSTRUCTIONS				
		- CULVERT/CATCH BASIN - OBSTRUCTIONS - SEDIMENT ACCUMULATION				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				
	<u>Transect ES8</u>	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EROSION				
		- OBSTRUCTIONS				
		- CULVERT/CATCH BASIN - OBSTRUCTIONS - SEDIMENT ACCUMULATION				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				
	<u>Transect ES9</u>	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EROSION				
		- OBSTRUCTIONS				
		- CULVERT/CATCH BASIN - OBSTRUCTIONS - SEDIMENT ACCUMULATION				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				

TABLE D.1

**COVER SYSTEMS INSPECTION LOG
CONSTRUCTION CERTIFICATION REPORT EAST PLANT COVER SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

ITEM	TYPES OF PROBLEMS	CHECKED		DETAILED ACTIONS REQUIRED	DATE AND NATURE OF ACTIONS COMPLETED	
		NO PROBLEMS	CORRECTIVE ACTION REQUIRED			
SWALE/DRAINAGE DITCHES (CONTINUED)						
	<u>Transect ES10</u>	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EROSION				
		- OBSTRUCTIONS				
		- CULVERT/CATCH BASIN - OBSTRUCTIONS - SEDIMENT ACCUMULATION				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				
	<u>Transect ES11</u>	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EROSION				
		- OBSTRUCTIONS				
		- CULVERT/CATCH BASIN - OBSTRUCTIONS - SEDIMENT ACCUMULATION				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				
	<u>Transect ES12</u>	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS				
		- EROSION				
		- OBSTRUCTIONS				
		- CULVERT/CATCH BASIN - OBSTRUCTIONS - SEDIMENT ACCUMULATION				
		- SIGNS OF BURROWING BY ANIMALS				
		- ROOTING OF TREES				

TABLE D.1

COVER SYSTEMS INSPECTION LOG
 CONSTRUCTION CERTIFICATION REPORT EAST PLANT COVER SYSTEM
 GM CET BEDFORD FACILITY
 BEDFORD, INDIANA

ITEM	TYPES OF PROBLEMS	CHECKED		DETAILED ACTIONS REQUIRED	DATE AND NATURE OF ACTIONS COMPLETED
		NO PROBLEMS	CORRECTIVE ACTION REQUIRED		
SWALE/DRAINAGE DITCHES (CONTINUED)					
	Transect ES13	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS			
		- EROSION			
		- OBSTRUCTIONS			
		- CULVERT/CATCH BASIN - OBSTRUCTIONS - SEDIMENT ACCUMULATION			
		- SIGNS OF BURROWING BY ANIMALS			
		- ROOTING OF TREES			
	Transect ES13	- QUALITY OF VEGETATIVE COVER - LENGTH OF GRASS - DEAD/DYING GRASS - GRASS COVERAGE - NOXIOUS WEEDS			
		- EROSION			
		- OBSTRUCTIONS			
		- CULVERT/CATCH BASIN - OBSTRUCTIONS - SEDIMENT ACCUMULATION			
		- SIGNS OF BURROWING BY ANIMALS			
		- ROOTING OF TREES			

TABLE D.2.1
INSPECTION SCHEDULE
SITE SOURCE CONTROL AND VAULT COLLECTION SYSTEMS
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

<i>Item</i>	<i>Details</i>	<i>Frequency</i>
Collection Wet Wells and Sumps		
Wet Wells	Condition of lid	weekly
	Condition of inside of wet well	weekly
	Water level	weekly
	Presence of LNAPL / visual sheen	weekly
Sump Pumps and Piping	Operating properly	weekly
	Remove and service pumps	as needed
Level Floats	Cleanliness	weekly
	Functionality (manually trigger)	semi-annually
Flow Meters	Record flows	weekly
	Perform electronic certification (by 3rd party vendor)	annually

Notes:

LNAPL - Light Non-Aqueous Phase Liquid

TABLE D 2.2

**SUMMARY OF TREATMENT MONITORING AND SAMPLING
SITE SOURCE CONTROL TREATMENT SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Item</i>	<i>Monitoring and/or Recording</i>		<i>Sampling</i>	
	<i>Parameter</i>	<i>Frequency</i>	<i>Parameter</i>	<i>Frequency</i>
Equalization	Total Flow from Wet Wells 1 and 2	daily	Effluent Turbidity - TK-1	monthly
	Total Flow from Wet Well 3	daily	Influent for PCBs (operational)	monthly
	Duty Pump - Selected	daily		
	Oil Level - P1 and P2	daily		
	Duty Pump - Discharge Pressure	daily		
Oil/Water Separator	Level in OWS	daily	Effluent Turbidity - OWS	monthly
	Oil Present in Trough	daily	Effluent for PCBs (operational)	monthly
	Duty Pump - Selected	daily		
	Oil Level - P11 and P12	daily		
	Duty Pump - Discharge Pressure	daily		
Filtration - Astrasand	Air Compressor - Feed Rate	daily	Effluent Turbidity - TK-2	monthly
	Air Compressor - Feed Pressure	daily	Effluent for PCBs (operational)	monthly
	Duty Pump - Selected	daily		
	Oil Level - P3 and P4	daily		
	Duty Pump - Discharge Pressure	daily		
Filtration - GAC	Inlet Pressure - GAC1	daily	Effluent Turbidity - Lag Filter	monthly
	Inlet Pressure - GAC2	daily	Lead Effluent for PCB (operational)	monthly
	Outlet Pressure - GAC1	daily	Lag Effluent for PCB (operational)	monthly
	Outlet Pressure - GAC2	daily		
Filtration - Bag Filters	Inlet Pressure - BF-1	daily	Effluent Turbidity	monthly
	Outlet Pressure - BF-1	daily	Effluent for PCB (compliance)	monthly
	Daily Total Discharge Flow	daily	Effluent for pH (compliance, by GM CET)	monthly
	Discharge Flow Rate	daily	NPDES Parameters	see PERMIT
Backwash Collection & Transfer	Duty Pump - Selected	daily		
	Oil Level - P5 and P6	daily		

Notes:

PCB - Polychlorinated Biphenyl

NPDES - National Pollutant Discharge Elimination System

OWS - Oil/Water Separator

TABLE D 2.3

**SUMMARY OF TREATMENT MONITORING AND SAMPLING
STORMWATER TREATMENT SYSTEM
GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Item</i>	<i>Monitoring and/or Recording</i>		<i>Sampling</i>	
	<i>Parameter</i>	<i>* Frequency</i>	<i>Parameter</i>	<i>* Frequency</i>
Stormwater Transfer	Influent Flow	hourly	Influent for PCBs (operational)	monthly
	Duty Pump - Speed	hourly		
Chemical Addition	Level - Polymer Tank	daily		
Filtration - Multimedia	Inlet Pressure - SF-2	hourly	Effluent for PCBs (operational)	monthly
	Inlet Pressure - SF-3	hourly		
	Inlet Pressure - SF-4	hourly		
	Inlet Pressure - SF-5	hourly		
	Outlet Pressure - SF-2	hourly		
	Outlet Pressure - SF-3	hourly		
	Outlet Pressure - SF-4	hourly		
	Outlet Pressure - SF-5	hourly		
	Influent Turbidity	daily		
Effluent Turbidity	daily			
Filtration - GAC	Inlet Pressure - GAC6	hourly	Effluent Turbidity - GAC3 (lag)	daily
	Inlet Pressure - GAC3	hourly	Effluent Turbidity - GAC5 (lag)	daily
	Inlet Pressure - GAC4	hourly	Composite for PCBs, both leads (operational)	monthly
	Inlet Pressure - GAC5	hourly	Composite for PCB, both lags (operational)	monthly
	Outlet Pressure - GAC6	hourly		
	Outlet Pressure - GAC3	hourly		
	Outlet Pressure - GAC4	hourly		
	Outlet Pressure - GAC5	hourly		
Filtration - Bag Filters	Inlet Pressure - BF-2	hourly	Effluent Turbidity	daily
	Inlet Pressure - BF-3	hourly	Effluent for PCB (compliance)	monthly
	Inlet Pressure - BF-4	hourly	Effluent for pH (compliance, by GM CET)	monthly
	Inlet Pressure - BF-5	hourly	NPDES Parameters	see PERMIT
	Inlet Pressure - BF-6	hourly		
	Inlet Pressure - BF-7	hourly		
	Outlet Pressure - BF-2	hourly		
	Outlet Pressure - BF-3	hourly		
	Outlet Pressure - BF-4	hourly		
	Outlet Pressure - BF-5	hourly		
	Outlet Pressure - BF-6	hourly		
	Outlet Pressure - BF-7	hourly		
	Discharge Flow Rate	hourly		
Daily Total Discharge Flow	daily			

Notes:

PCB - Polychlorinated Biphenyl

NPDES - National Pollutant Discharge Elimination System

* - SWTS only treats storm water periodically, when required to maintain an acceptable water level in the storm water pond

Appendix E

Public Notice

GM sets update on PCB cleanup

Times-Mail

BEDFORD — General Motors will have an information session Thursday to update the community on its environmental investigation and cleanup under way at and near the GM Powertrain plant.

The session will begin at 6:30 p.m. at the plant, 105 GM Drive.

"We welcome this regular opportunity to talk with our neighbors about this project," said GM Powertrain Plant Manager John Lancaster in a prepared statement. "We think it's important that our neighbors have the chance to meet with us in person and to have any of their questions answered."

At the meeting, GM will first provide an update of the project and then allow people to visit one-on-one with many of the project leaders to talk about more specific, individual issues.

In the update, GM will talk about how the work is progressing, according to Lancaster. Lancaster indicated that the cleanup work, begun in the upstream area in the fall of 2003, has moved about 1½ miles downstream from the plant.

"Approximately half of this remediated area has now been restored, and it really looks great," Lancaster said.

In November, a second company was added to begin remediation work on the downstream portion of Bailey's Branch, on the north side of Broomsage Road. This company has cleaned up more than a mile of additional creek.

In the upstream portion, south of Broomsage Road, crews have cleaned and restored about 3,600 feet of the creek.

"We recognize the impact this project has had on the roads and on traffic conditions for many of our neighbors, so we are trying to find ways that we can move quickly, while still ensuring that we meet the cleanup standards that have been established for this project," Lancaster said.

GM also will use this meeting to update residents on the plan for cleanup in the east plant area, a 30-acre section located on the east side of GM Drive, according to Lancaster. GM met with residents in late March to present a proposed cleanup plan that was developed with the U.S. Environmental Protection Agency and the Indiana Department of Environmental Management.

Everyone is invited to attend the session, which is open to the public and a part of the company's community relations plan as required with the cleanup agreement.

The agreement was signed with the EPA in March 2001 after test results found PCBs, or polychlorinated biphenyls, in the surface water, stream sediments, fish/crayfish and floodplain soils in areas along Bailey's Branch and Pleasant Run creeks. These areas begin on the east side of the GM plant and later wrap around to the north and west before entering Salt Creek.

PCB levels generally decrease with distance from the plant and the stream. The results required further testing and an evaluation of cleanup options in certain areas.

A screening level for total PCBs has been used to evaluate floodplain soils.

The GM Powertrain plant occupies 152.5 acres of land and has 915,000 square feet of operating floor space.

**Agencies Seek Public
Comments On Cleanup at
GM Bedford Plant**

U.S. Environmental Protection Agency and Indiana Department of Environmental Management are seeking public comments on proposed work at the GM Bedford East Plant Area for the control of environmental concerns at the plant site (U.S. EPA ID# IND 006 036 039). GM has proposed a series of steps both agencies feel are sufficient to become permanent. Comments must be submitted no later than July 14, 2005. Highlights of the proposed plan include:

- *Adding institutional controls; land will be used for industry only;

- *Removing dirt with more than 50 parts per million polychlorinated biphenyls (PCBs).

- *Building a landfill vault area to contain materials with more than 50 ppm PCBs.

- *Installing a cover system over the landfill area to prevent water seeping.

- *Constructing ground water systems to reclaim oil from bedrock and collect water for treatment.

- *Using soils of less than 50 ppm PCBs taken from work off the plant site as backfill and grading material on the plant site.

Detailed information about the plans can be found in a document called an Interim Measure Alternatives Review Report — East Plant Area GM Powertrain, Bedford, IN:

Bedford Public Library, 1323 K Street; Information Center, GM Powertrain Lobby, Bedford, IN (866) 223-0856 (Appointment only); IDEM, 100 N. Senate Ave., Indianapolis, IN (317) 233-1522.

Or at the U.S. EPA address in Chicago listed below.

The document is also available on the internet at: www.bedfordpowertrainconnectiveaction.com/docrepository.

Written comments should be directed no later than July 14, 2005 to:

Peter Ramanuskas, U.S. EPA, 77 W. Jackson Blvd. (DW-8J), Chicago, IL 60604.

Or via the internet at: www.epa.gov/region5/sites/gm/bedford/comments.htm.

Any interested person may request a public meeting or hearing. The request must be in writing and state the nature of the issues to be raised. The Administrator shall hold a public meeting or hearing whenever he finds, on the basis of public interest, a significant degree of public interest. Written requests should be directed to Peter Ramanuskas of the U.S. EPA at the above address.

31-m 1tc

Form Prescribed by State Board Of Accounts
Conestoga Power
(Governmental Unit)
200853

General Form No. 99P (Revised 1987)
To: Times-Mail Dr.
Bedford, IN 47421

County, Indiana

PUBLISHER'S CLAIM

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82 lines 1 column wide equals 82 equivalent lines
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Charge for extra proofs of publication (\$1.00 for each proof
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TOTAL AMOUNT OF CLAIM 66.42

DATA FOR COMPUTING COST

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Pursuant to the provisions and penalties of Chapter 155, Acts 1953,
I hereby certify that the foregoing account is just and correct, that the amount claimed is legally due after allowing all just credits, and that no part of the same has been paid.

Date: May 31, 2005 Title: Anna Burge Clerk

PUBLISHER'S AFFIDAVIT

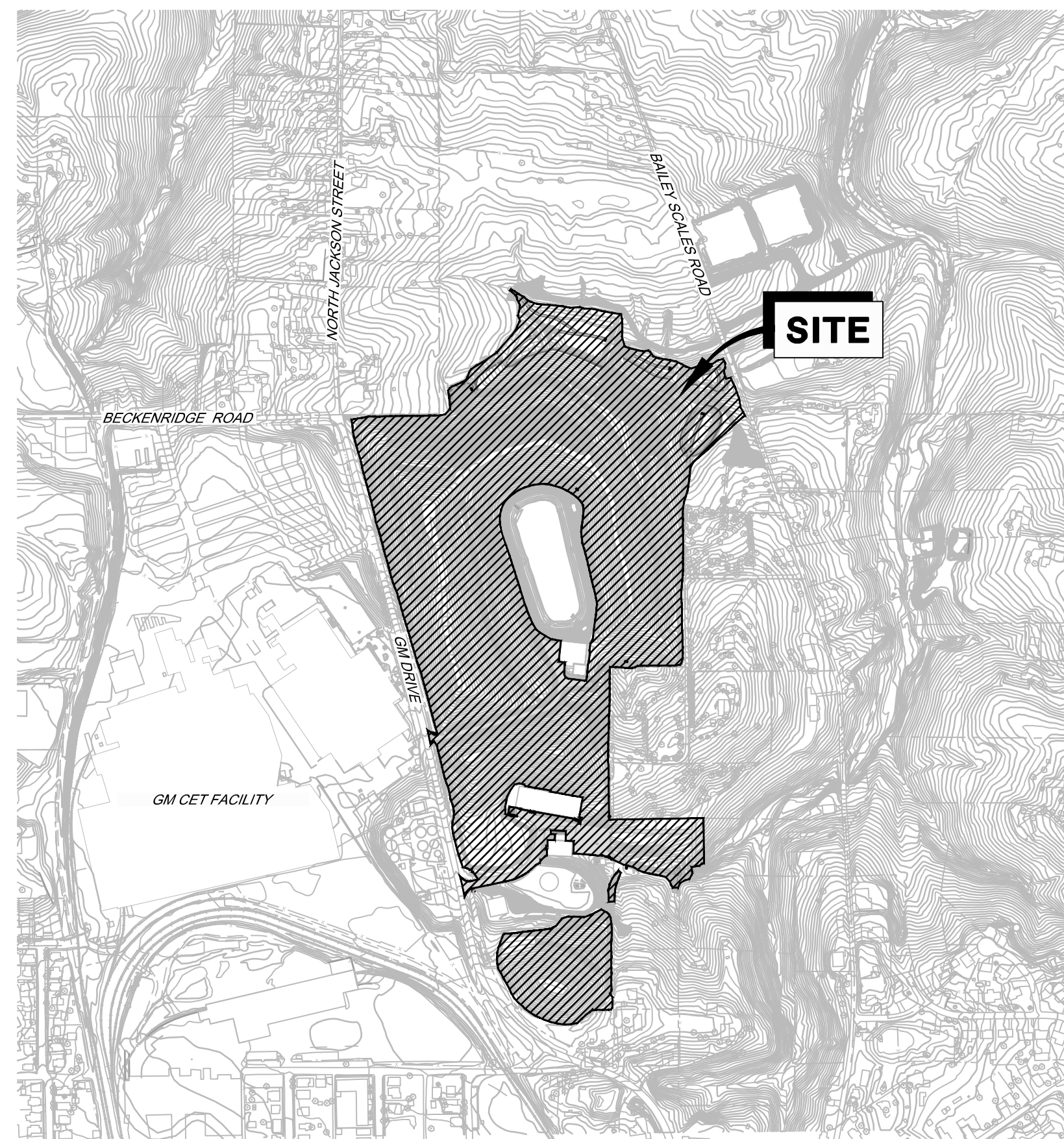
State of Indiana)
) ss:
Lawrence County)

Personally appeared before me, a notary public in and for said county and state, the undersigned L. Burge who, being duly sworn, says that she is clerk of the The Times-Mail newspaper of general circulation printed and published in the English language in the (city) of Bedford in state and county aforesaid, and that the printed matter attached hereto is a true copy, which was duly published in said newspaper for 1 time May 31, 2005, the dates of publication being as follows:

May 31, 2005
Subscribed and sworn to before me this 31st day of May, 2005
Karen E. Pace

My commission expires: _____
Karen E. Pace
Notary Public
Notary Public, State of Indiana
Lawrence County
My Commission Expires 03/01/2007

Agencies Seek Public Comments On Cleanup at GM Bedford Plant
U.S. Environmental Protection Agency and Indiana Department of Environmental Management are seeking public comments on proposed work at the GM Bedford East Plant Area for the control of environmental concerns at the plant site (U.S. EPA ID# IND 006 036 099). GM has proposed a series of steps both agencies feel are sufficient to become permanent. Comments must be submitted no later than July 14, 2005. Highlights of the proposed plan include:
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31-m 1tc



KEY MAP

RECORD DRAWINGS MARCH 2015

CONSTRUCTION CERTIFICATION REPORT EAST PLANT AREA COVER SYSTEM

GM CET BEDFORD FACILITY BEDFORD, INDIANA

DRAWING INDEX

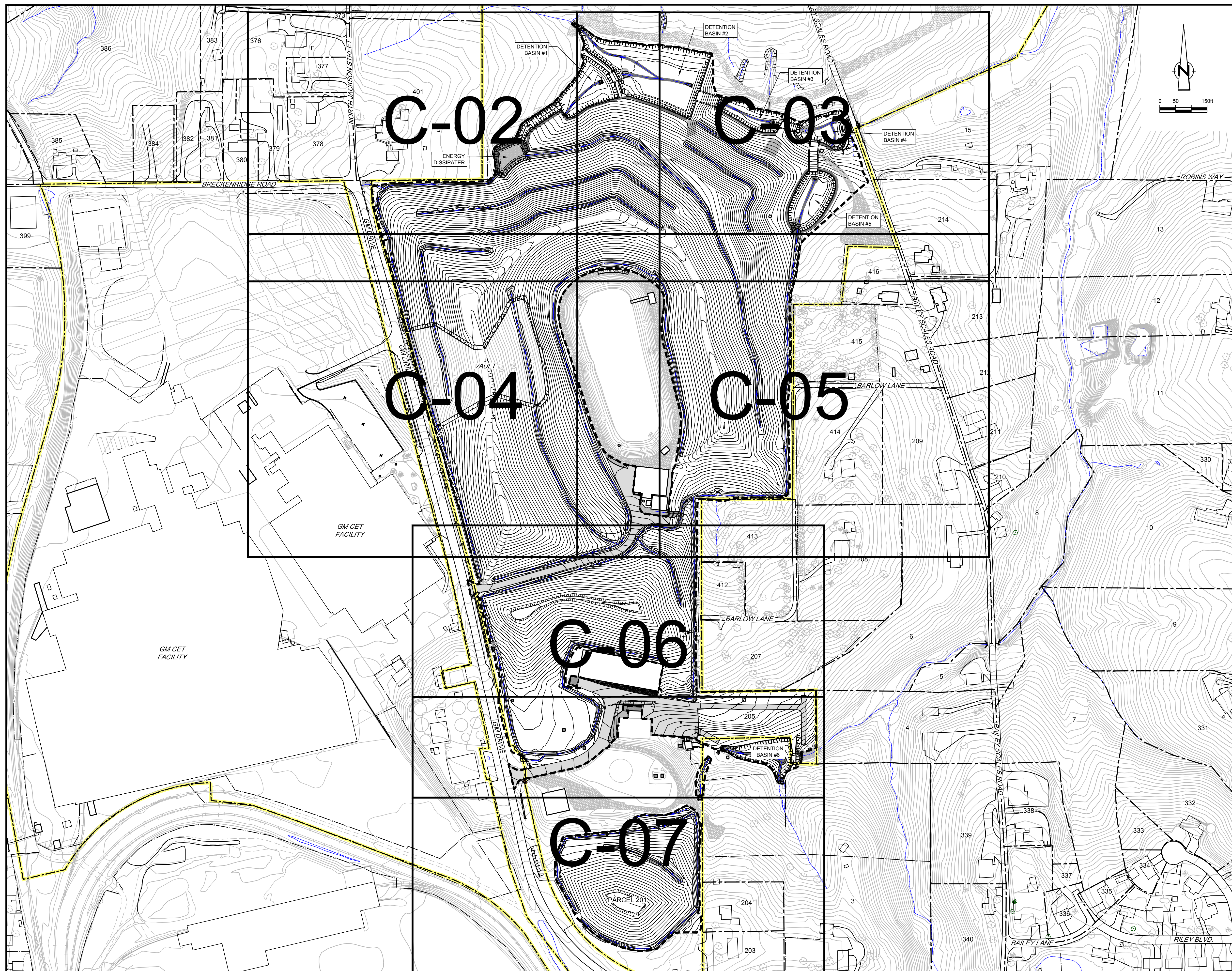
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C-01	0	MARCH 2015	SITE WORKS - OVERALL PLAN
C-02	0	MARCH 2015	SITE WORKS - PLAN 1 OF 6
C-03	0	MARCH 2015	SITE WORKS - PLAN 2 OF 6
C-04	0	MARCH 2015	SITE WORKS - PLAN 3 OF 6
C-05	0	MARCH 2015	SITE WORKS - PLAN 4 OF 6
C-06	0	MARCH 2015	SITE WORKS - PLAN 5 OF 6
C-07	0	MARCH 2015	SITE WORKS - PLAN 6 OF 6
C-08	0	MARCH 2015	DETAILS SHEET 1 OF 3
C-09	0	MARCH 2015	DETAILS SHEET 2 OF 3
C-10	0	MARCH 2015	DETAILS SHEET 3 OF 3
C-11	0	MARCH 2015	SUBGRADE/FILL ELEVATION - OVERALL PLAN
C-12	0	MARCH 2015	SUBGRADE/FILL ELEVATION - PLAN 1 OF 19 (<50 MG/KG TOTAL PCB SOIL)
C-13	0	MARCH 2015	SUBGRADE/FILL ELEVATION - PLAN 2 OF 19 (<50 MG/KG TOTAL PCB SOIL)
C-14	0	MARCH 2015	SUBGRADE/FILL ELEVATION - PLAN 3 OF 19 (<50 MG/KG TOTAL PCB SOIL)
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C-16	0	MARCH 2015	SUBGRADE/FILL ELEVATION - PLAN 5 OF 19 (<50 MG/KG TOTAL PCB SOIL)
C-17	0	MARCH 2015	SUBGRADE/FILL ELEVATION - PLAN 6 OF 19 (<50 MG/KG TOTAL PCB SOIL)
C-18	0	MARCH 2015	SUBGRADE/FILL ELEVATION - PLAN 7 OF 19 (<50 MG/KG TOTAL PCB SOIL)
C-19	0	MARCH 2015	SUBGRADE/FILL ELEVATION - PLAN 8 OF 19 (<50 MG/KG TOTAL PCB SOIL)
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C-51	0	MARCH 2015	60-MIL LLDPE GEOMEMBRANE REPAIR LOCATIONS - PLAN 1 OF 2
C-52	0	MARCH 2015	60-MIL LLDPE GEOMEMBRANE REPAIR LOCATIONS - PLAN 2 OF 2

DWG. No.	REV. No.	DATE	TITLE
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C-55	0	MARCH 2015	FINAL GRADE - PLAN 2 OF 19
C-56	0	MARCH 2015	FINAL GRADE - PLAN 3 OF 19
C-57	0	MARCH 2015	FINAL GRADE - PLAN 4 OF 19
C-58	0	MARCH 2015	FINAL GRADE - PLAN 5 OF 19
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C-68	0	MARCH 2015	FINAL GRADE - PLAN 15 OF 19
C-69	0	MARCH 2015	FINAL GRADE - PLAN 16 OF 19
C-70	0	MARCH 2015	FINAL GRADE - PLAN 17 OF 19
C-71	0	MARCH 2015	FINAL GRADE - PLAN 18 OF 19
C-72	0	MARCH 2015	FINAL GRADE - PLAN 19 OF 19
C-73	0	MARCH 2015	STORM SEWER PROFILE (AOI-8) - PLAN 1 OF 3
C-74	0	MARCH 2015	STORM SEWER PROFILE (AOI-8) - PLAN 2 OF 3
C-75	0	MARCH 2015	STORM SEWER PROFILE (AOI-8) - PLAN 3 OF 3



CONESTOGA-ROVERS & ASSOCIATES

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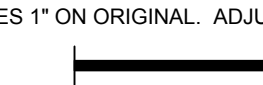
No	Revision	Date	Initial

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER LIMIT

RECORD DRAWINGS
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SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.



Approved _____


DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

**SITE WORKS
 OVERALL PLAN**

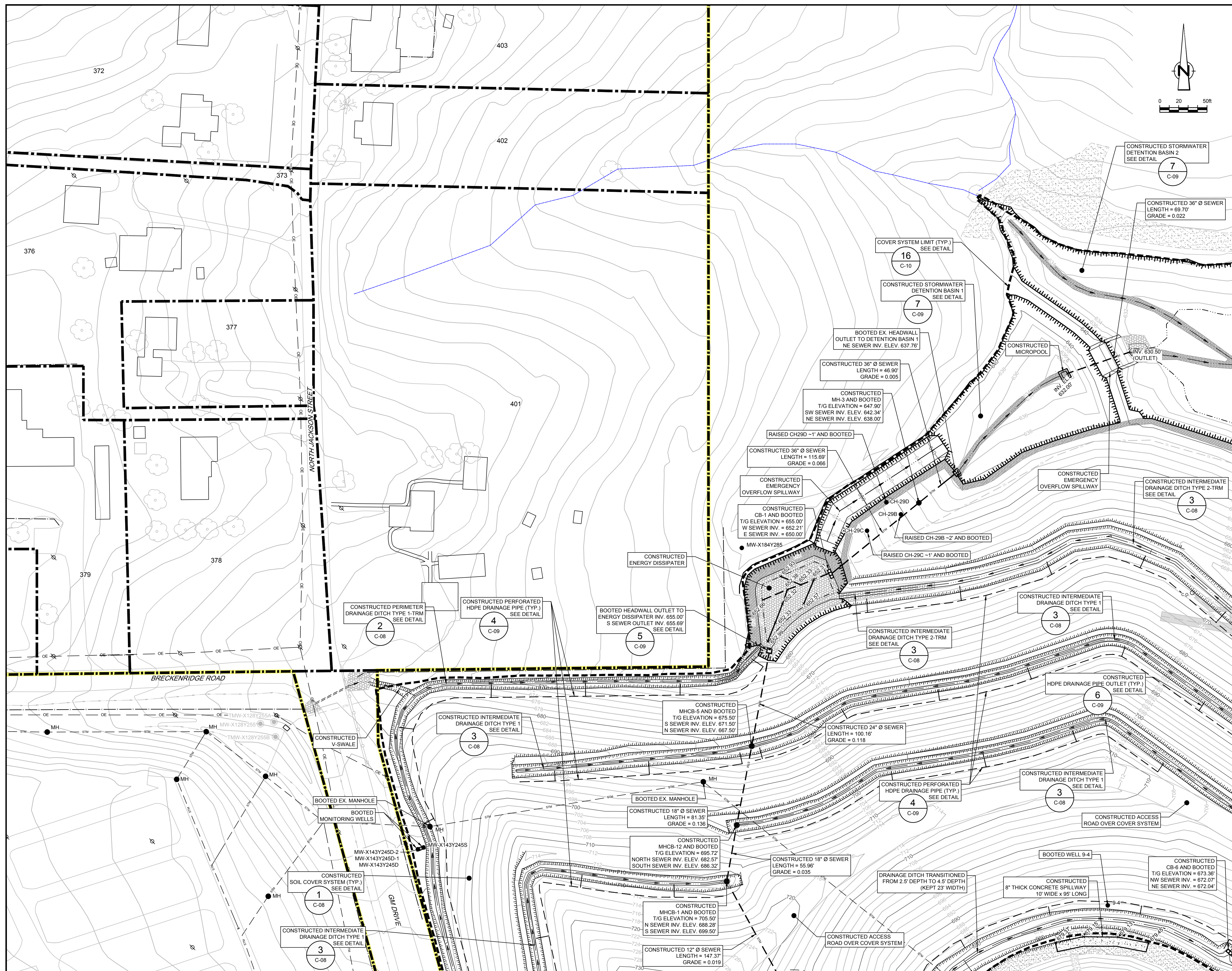


CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 150'	Project N°: 13968-00	Report N°: 350
	Drawing N°: C-01	

13968-00(350)CI-WA001 MAR 2/2015



No	Revision	Date	Initial

LEGEND

	GROUND SURFACE
	VEGETATION
	FENCE LINE
	DIRT ROADS
	ROADS / PAVED AREAS
	SURFACE WATER LOCATION (APPROXIMATE)
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE GM PROPERTY BOUNDARY
	FORCE MAIN TO TREATMENT FACILITY
	ELECTRICAL POWER LINE
	STORM SEWER
	AIR SUPPLY LINE
	SSC GRAVITY DRAIN
	SSC EXTRACTION TRENCH
	SSC SUMP STRUCTURE
	CLEANOUT
	GRAVEL BED
	POWER POLE
	MONITORING WELL
	COREHOLE
	EAST PLANT COVER SYSTEM LIMIT
	DRAINAGE DITCH
	ASPHALT PAVEMENT AREA
	LOW FLOW CHANNEL
	STORM SEWER

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SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

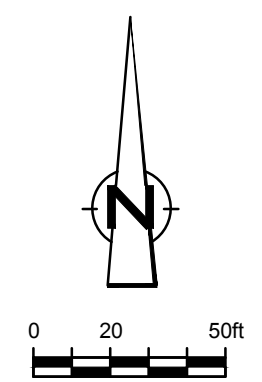
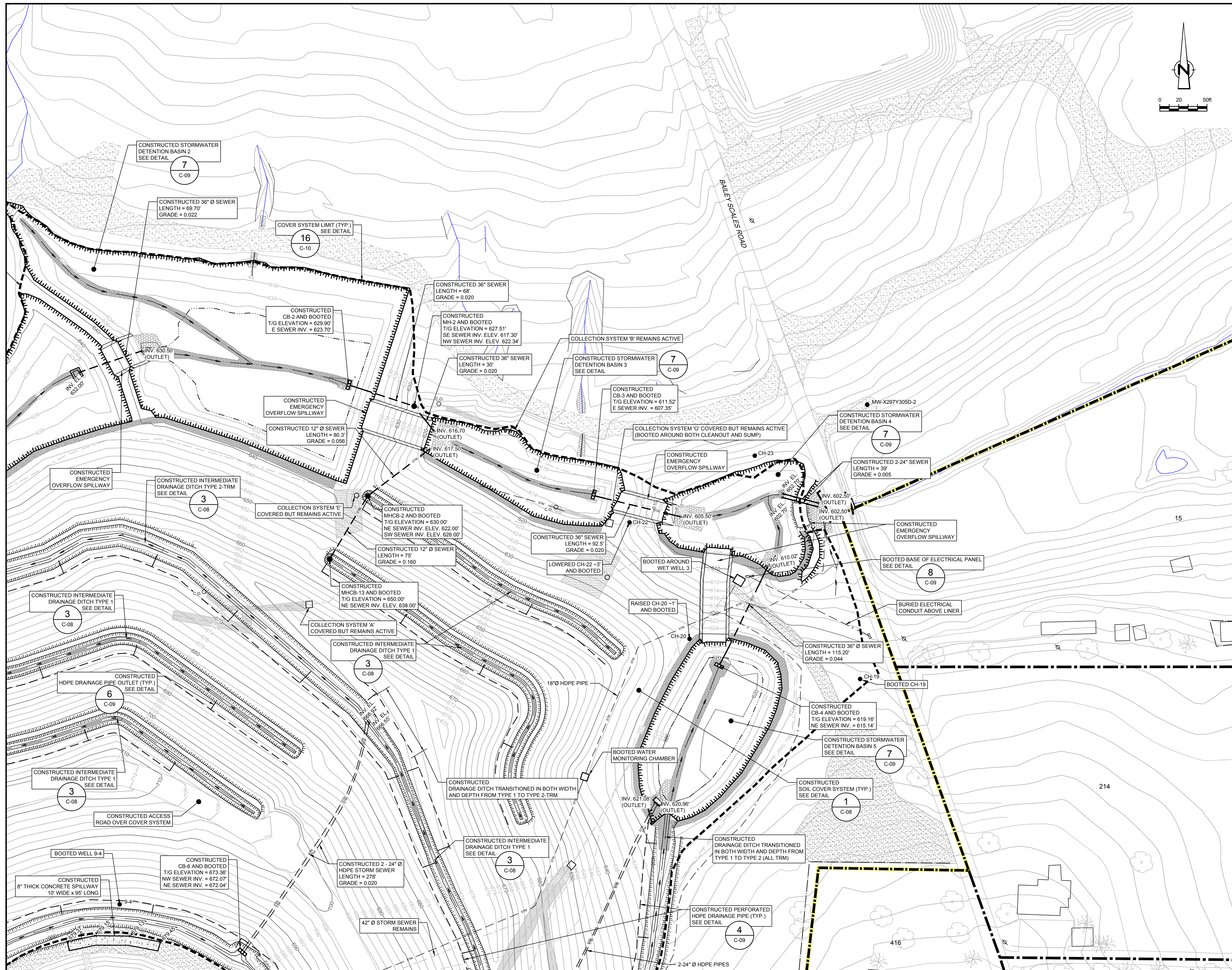
**SITE WORKS
 PLAN 1 OF 6**

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 50'	Project No: 13968-00	Report No: 350
		Drawing No: C-02

13968-00(350)CI-WA002 MAR 2/2015



No	Revision	Date	Initial

LEGEND

- GROUND SURFACE
- VEGETATION
- FENCE LINE
- DIRT ROADS
- ROADS / PAVED AREAS
- SURFACE WATER LOCATION (APPROXIMATE)
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- FORCE MAIN TO TREATMENT FACILITY
- ELECTRICAL POWER LINE
- STORM SEWER
- AIR SUPPLY LINE
- SSC GRAVITY DRAIN
- SSC EXTRACTION TRENCH
- SSC SUMP STRUCTURE
- CLEANOUT
- GRAVEL BED
- POWER POLE
- MONITORING WELL
- COREHOLE
- EAST PLANT COVER SYSTEM LIMIT
- DRAINAGE DITCH
- ASPHALT PAVEMENT AREA
- LOW FLOW CHANNEL
- STORM SEWER

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SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAFT FOR REVIEW
 PRIVILEGED AND CONFIDENTIAL
 PREPARED AT THE REQUEST OF COUNSEL

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

GM CET BEDFORD FACILITY
BEDFORD, INDIANA

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

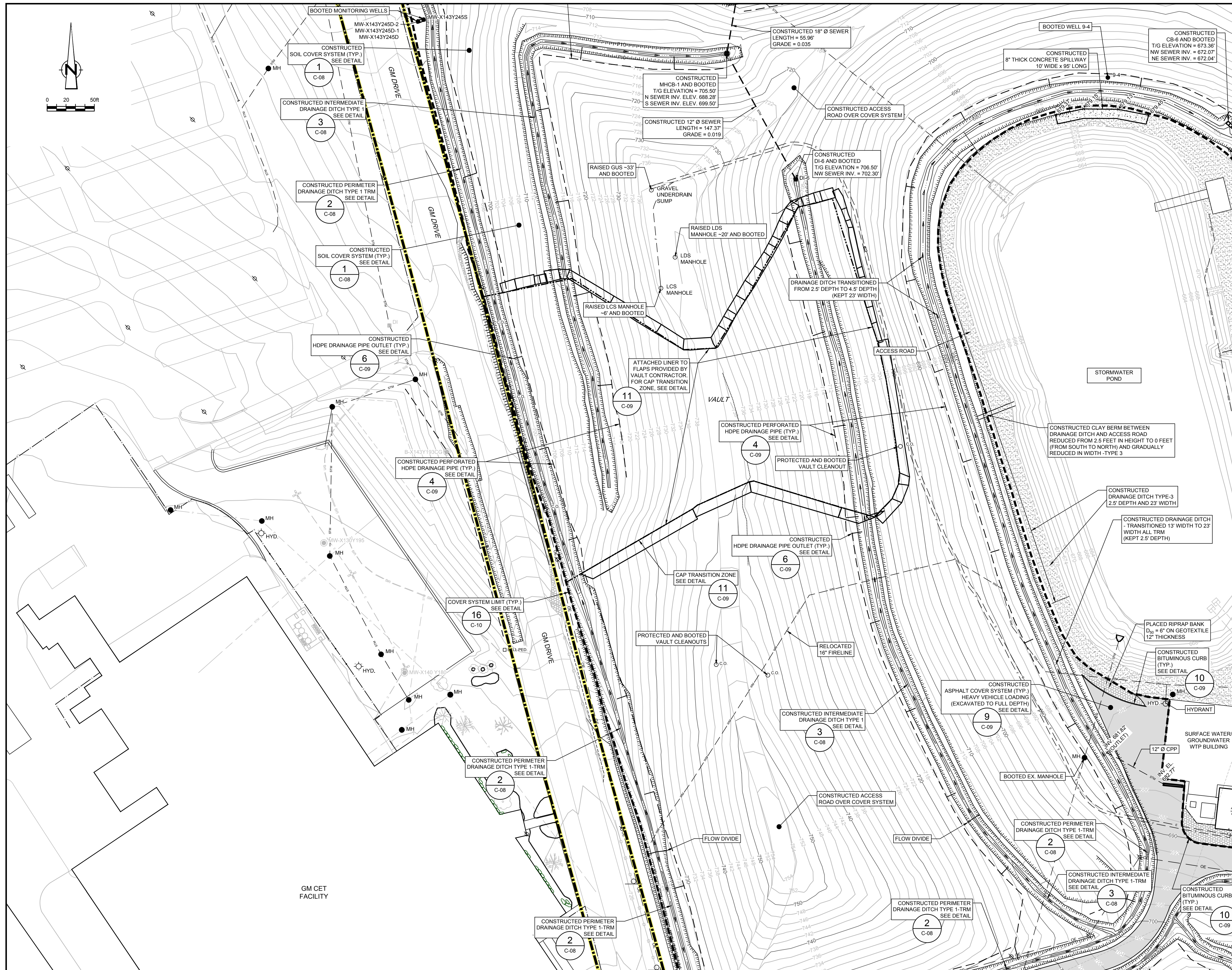
SITE WORKS
PLAN 2 OF 6

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 50'	Project No: 13968-00	Report No: 350
		Drawing No: C-03

13968-00(350)CI-WA002 MAR 2/2015



NO	Revision	Date	Initial

LEGEND

- 610 GROUND SURFACE
- VEGETATION
- FENCE LINE
- DIRT ROADS
- ROADS / PAVED AREAS
- SURFACE WATER LOCATION (APPROXIMATE)
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- FORCEMAIN TO TREATMENT FACILITY
- ELECTRICAL POWER LINE
- STORM SEWER
- AIR SUPPLY LINE
- SSC GRAVITY DRAIN
- SSC EXTRACTION TRENCH
- SSC SUMP STRUCTURE
- CLEANOUT
- GRAVEL BED
- POWER POLE
- MW-X234Y157S MONITORING WELL
- CH-11A COREHOLE
- EAST PLANT COVER SYSTEM LIMIT
- DRAINAGE DITCH
- ASPHALT PAVEMENT AREA
- LOW FLOW CHANNEL
- STORM SEWER

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAFT FOR REVIEW
 PRIVILEGED AND CONFIDENTIAL
 PREPARED AT THE REQUEST OF COUNSEL

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

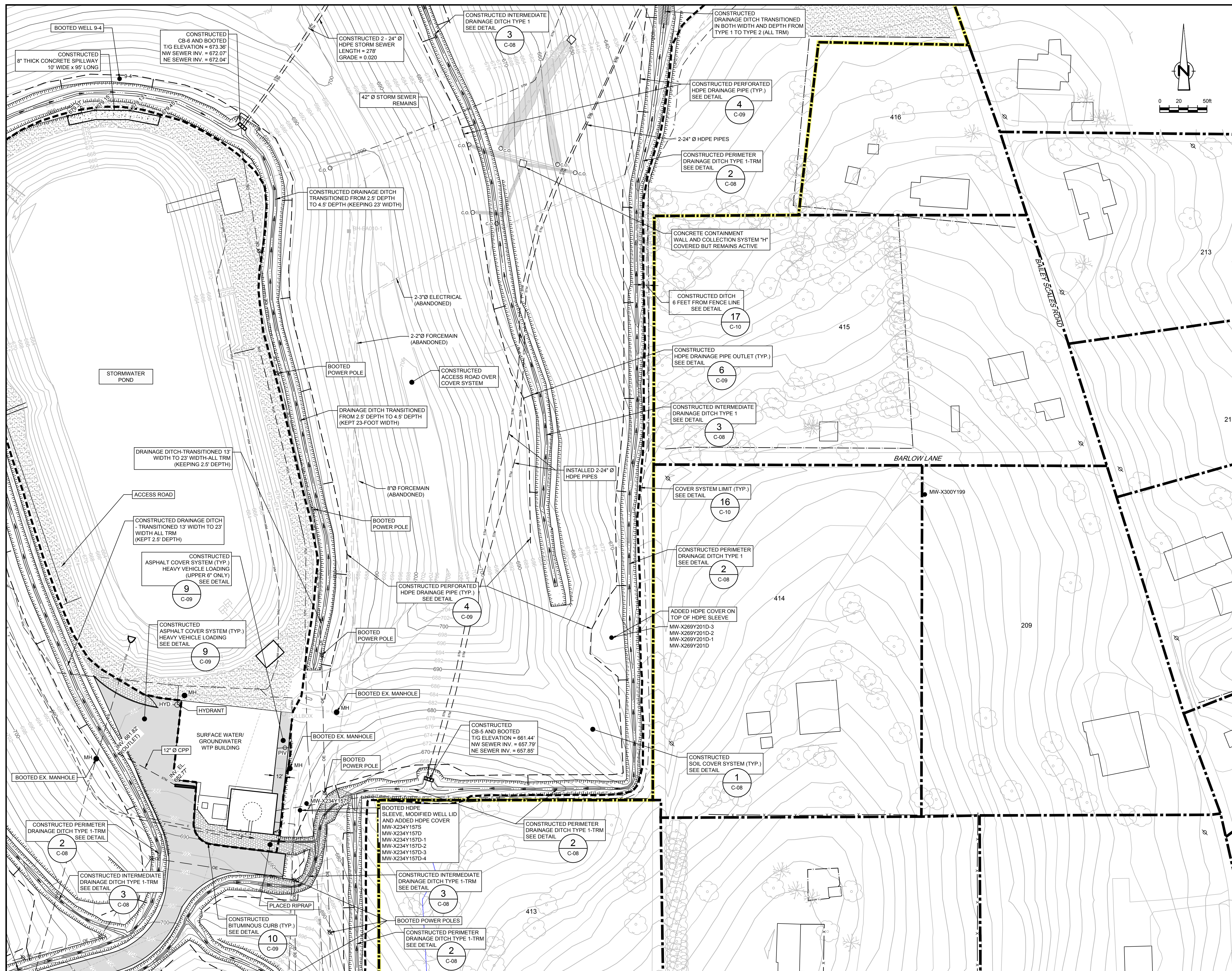
EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

**SITE WORKS
 PLAN 3 OF 6**

CRA CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 50'	Project No: 13968-00	Report No: 350
		Drawing No: C-04



NO	Revision	Date	Initial

LEGEND	
	GROUND SURFACE
	VEGETATION
	FENCE LINE
	DIRT ROADS
	ROADS / PAVED AREAS
	SURFACE WATER LOCATION (APPROXIMATE)
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE GM PROPERTY BOUNDARY
	FORCE MAIN TO TREATMENT FACILITY
	ELECTRICAL POWER LINE
	STORM SEWER
	AIR SUPPLY LINE
	SSC GRAVITY DRAIN
	SSC EXTRACTION TRENCH
	SSC SUMP STRUCTURE
	CLEANOUT
	GRAVEL BED
	POWER POLE
	MONITORING WELL
	COREHOLE
	EAST PLANT COVER SYSTEM LIMIT
	DRAINAGE DITCH
	ASPHALT PAVEMENT AREA
	LOW FLOW CHANNEL
	STORM SEWER

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION	
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.	

Approved

DRAFT FOR REVIEW
 PRIVILEGED AND CONFIDENTIAL
 PREPARED AT THE REQUEST OF COUNSEL

DRAWING STATUS		

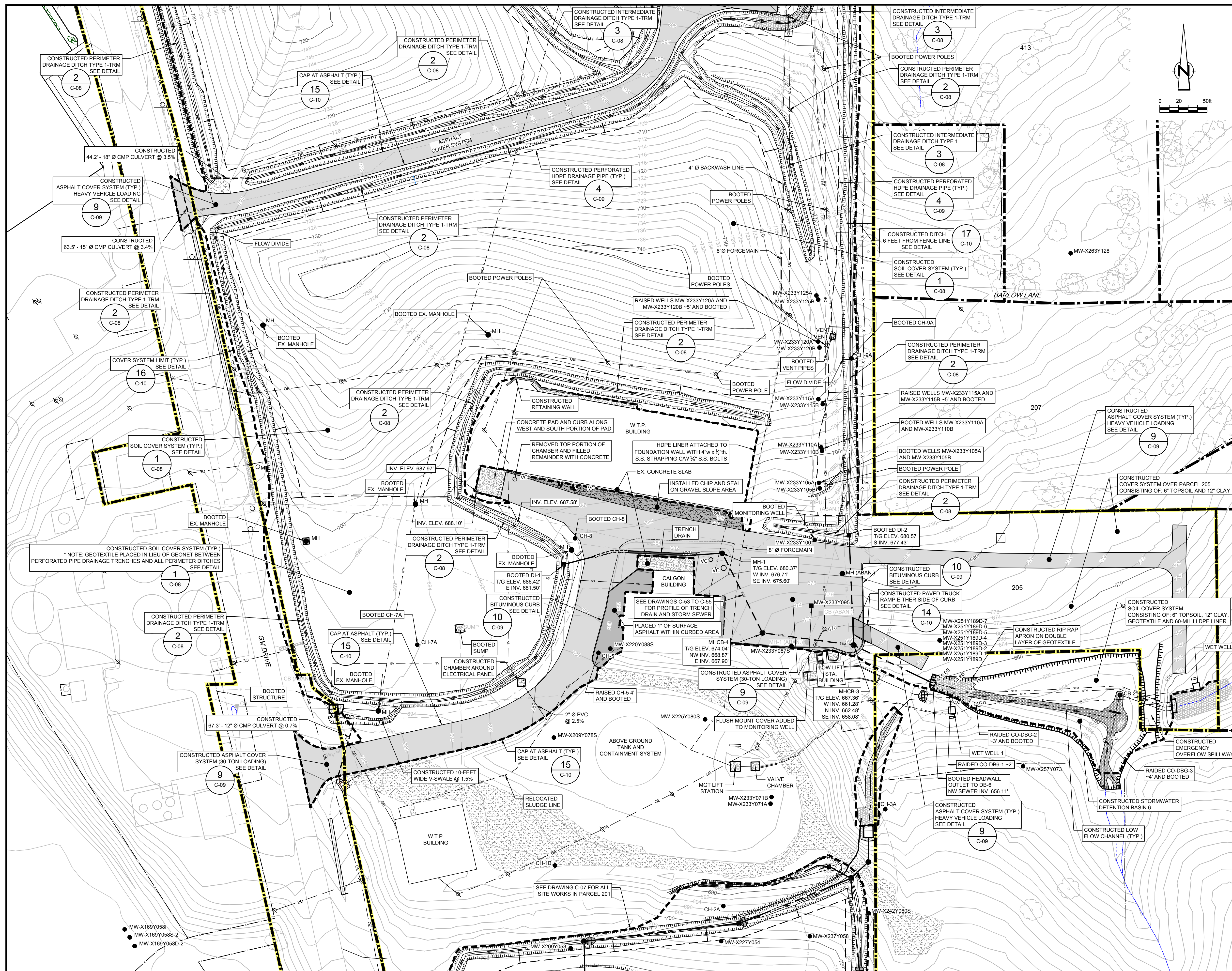
GM CET BEDFORD FACILITY
BEDFORD, INDIANA

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

SITE WORKS
PLAN 4 OF 6



Source Reference:			
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001			
Project Manager:	Reviewed By:	Date:	
J.M.	C.R.H.	MARCH 2015	
Scale:	Project No.:	Report No.:	Drawing No.:
1" = 50'	13968-00	350	C-05



NO	Revision	Date	Initial

LEGEND

- GROUND SURFACE
- VEGETATION
- FENCE LINE
- DIRT ROADS
- ROADS / PAVED AREAS
- SURFACE WATER LOCATION (APPROXIMATE)
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- FORCE MAIN TO TREATMENT FACILITY
- ELECTRICAL POWER LINE
- STORM SEWER
- AIR SUPPLY LINE
- SSC GRAVITY DRAIN
- SSC EXTRACTION TRENCH
- SSC SUMP STRUCTURE
- CLEANOUT
- GRAVEL BED
- POWER POLE
- MONITORING WELL
- COREHOLE
- EAST PLANT COVER SYSTEM LIMIT
- DRAINAGE DITCH
- ASPHALT PAVEMENT AREA
- LOW FLOW CHANNEL
- STORM SEWER

RECORD DRAWINGS
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SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAFT FOR REVIEW
 PRIVILEGED AND CONFIDENTIAL
 PREPARED AT THE REQUEST OF COUNSEL

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

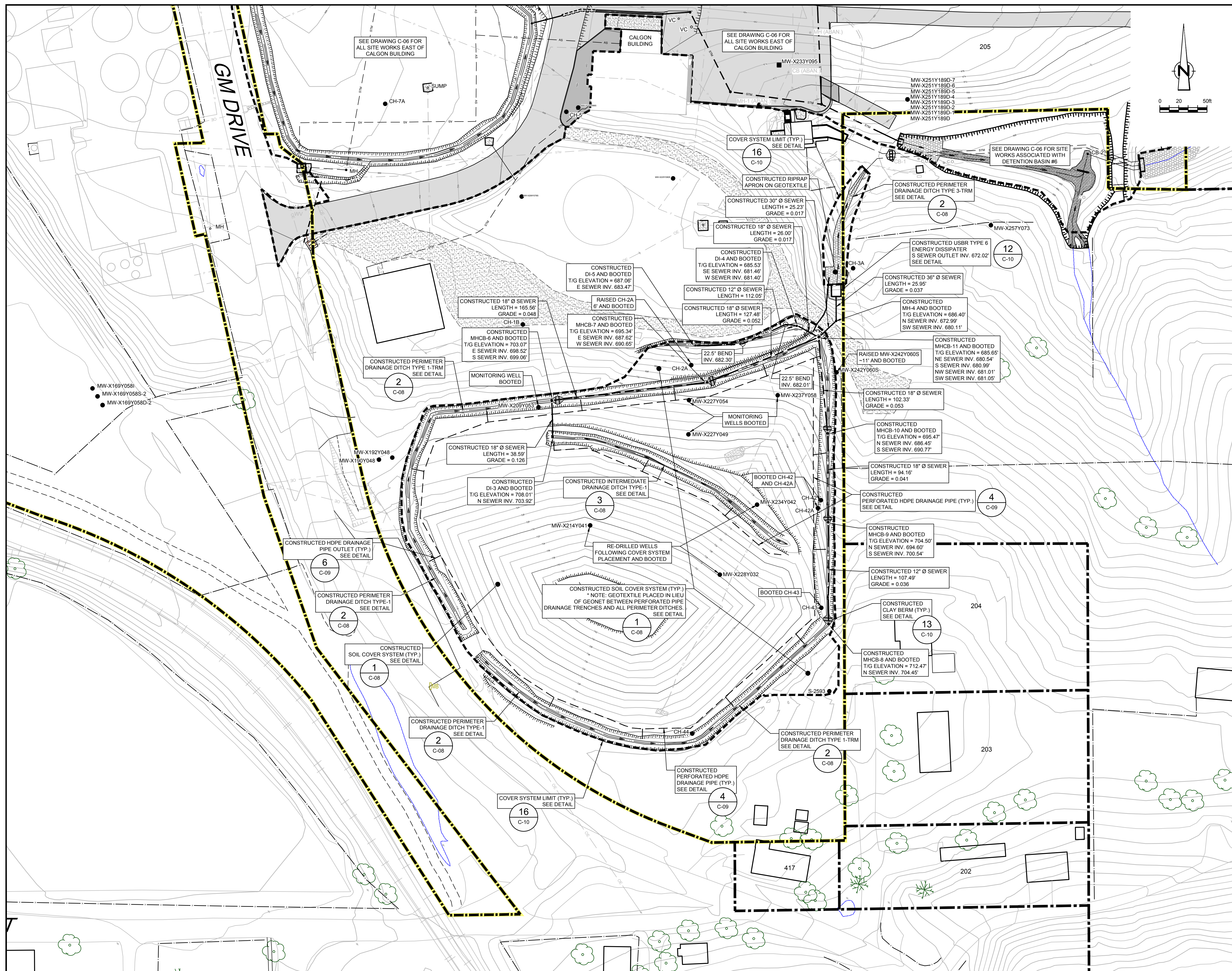
**SITE WORKS
 PLAN 5 OF 6**

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 50'	Project No: 13968-00	Report No: 350
		Drawing No: C-06

13968-00(350)CI-WA002 MAR 2/2015



No	Revision	Date	Initial

LEGEND

- GROUND SURFACE
- VEGETATION
- FENCE LINE
- DIRT ROADS
- ROADS / PAVED AREAS
- SURFACE WATER LOCATION (APPROXIMATE)
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- FORCEMAIN TO TREATMENT FACILITY
- ELECTRICAL POWER LINE
- STORM SEWER
- AIR SUPPLY LINE
- SSC GRAVITY DRAIN
- SSC EXTRACTION TRENCH
- SSC SUMP STRUCTURE
- CLEANOUT
- GRAVEL BED
- POWER POLE
- MONITORING WELL
- COREHOLE
- EAST PLANT COVER SYSTEM LIMIT
- DRAINAGE DITCH
- ASPHALT PAVEMENT AREA
- LOW FLOW CHANNEL
- STORM SEWER

RECORD DRAWINGS
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SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

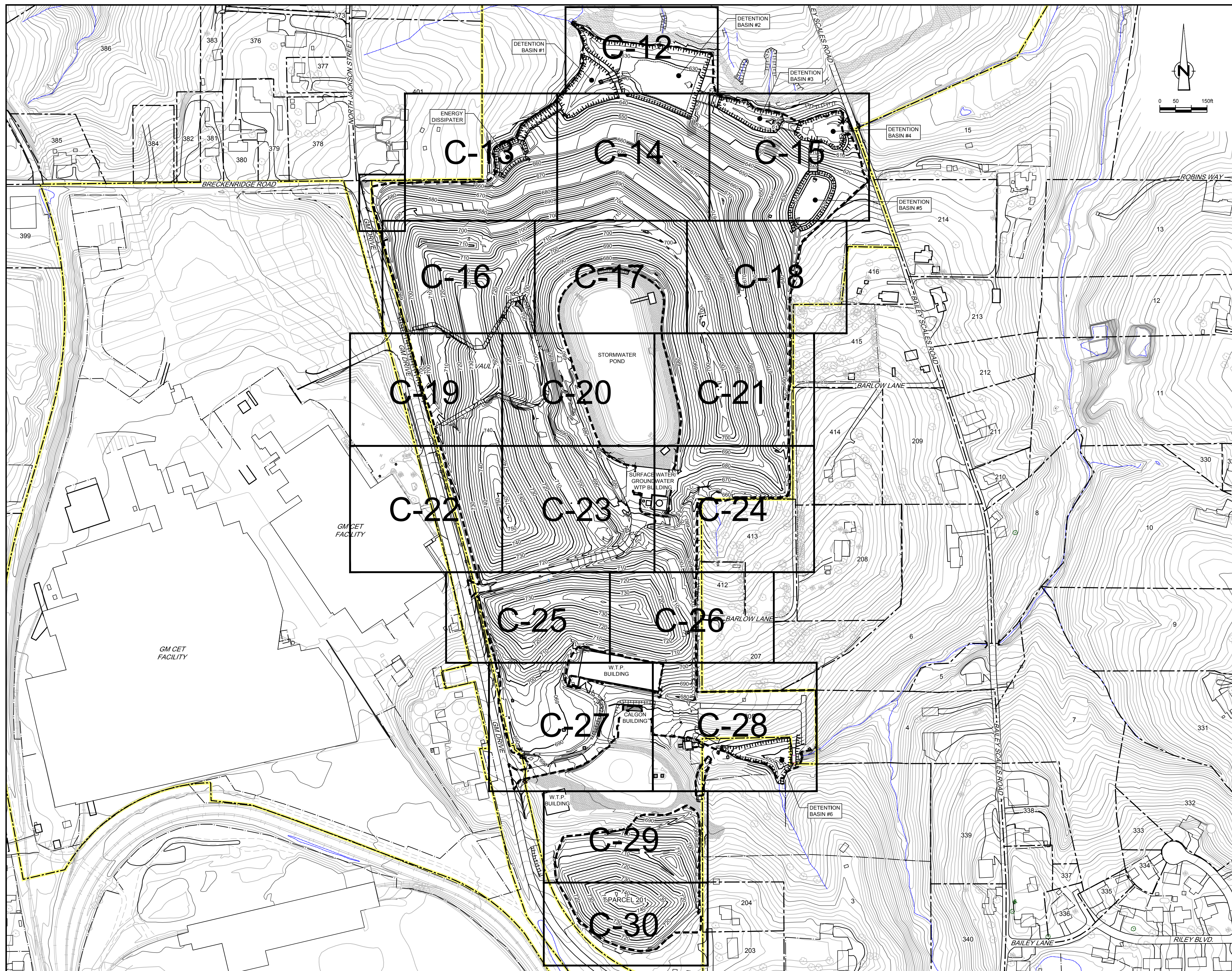
**SITE WORKS
 PLAN 6 OF 6**

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 50'	Project No: 13968-00	Report No: 350
		Drawing No: C-07

13968-00(350)CI-WA006 MAR 2/2015



NO	Revision	Date	Initial

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER LIMIT
- SUBGRADE CONTOUR

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

NO	Revision	Date	Initial

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

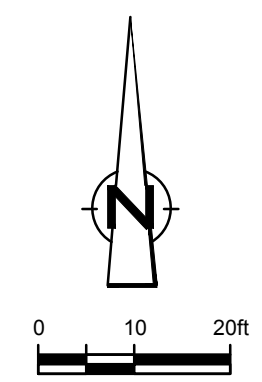
EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

**SUBGRADE/FILL ELEVATION
 OVERALL PLAN**

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 150'	Project No: 13968-00	Report No: 350
		Drawing No: C-11



No	Revision	Date	Initial

LEGEND

- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- 700 SUBGRADE CONTOUR
- POINT NUMBER
+ 676.93 AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

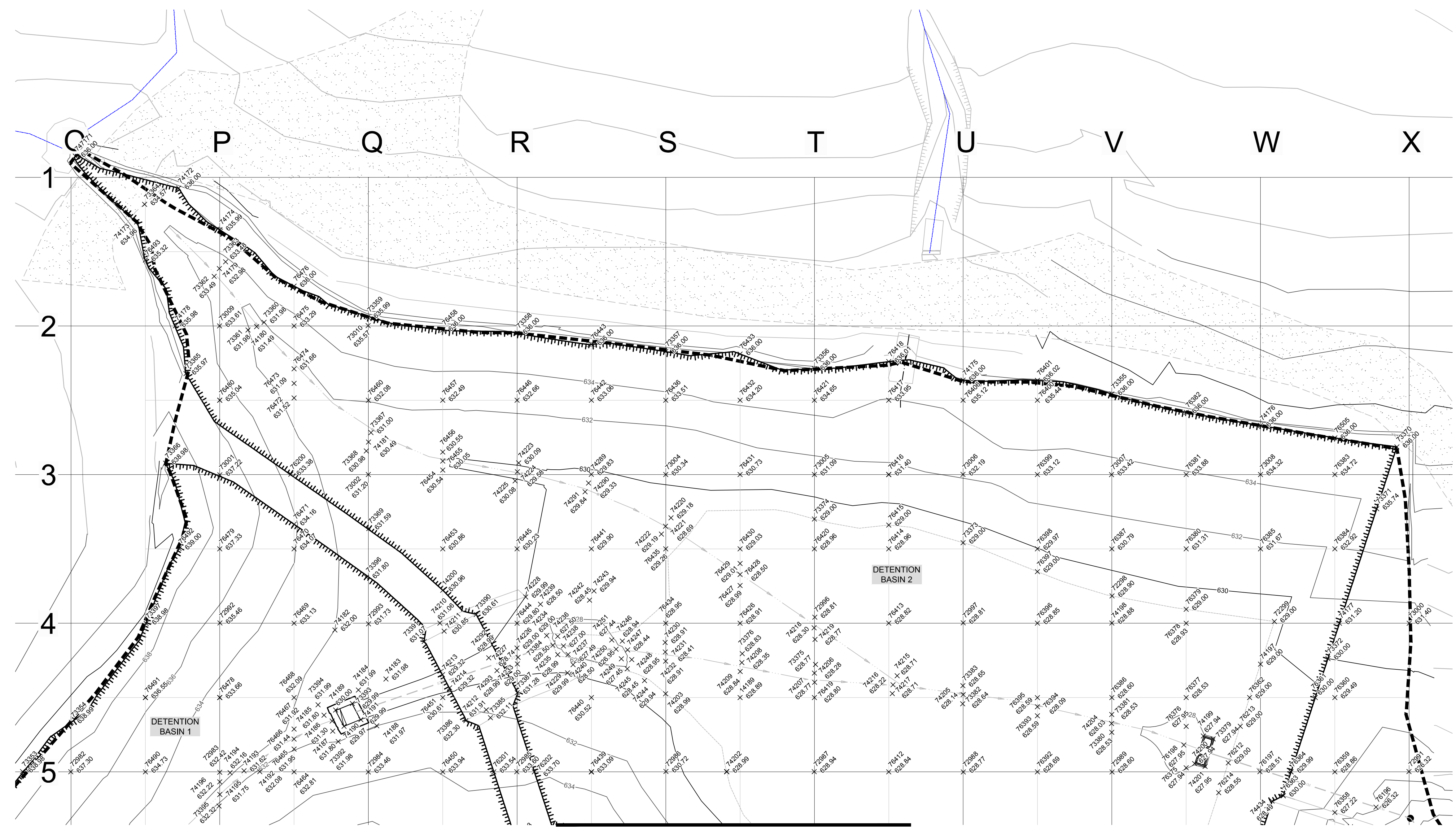
EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

**SUBGRADE/FILL ELEVATION PLAN 1 OF 19
 (<50 MG/KG TOTAL PCB SOIL)**

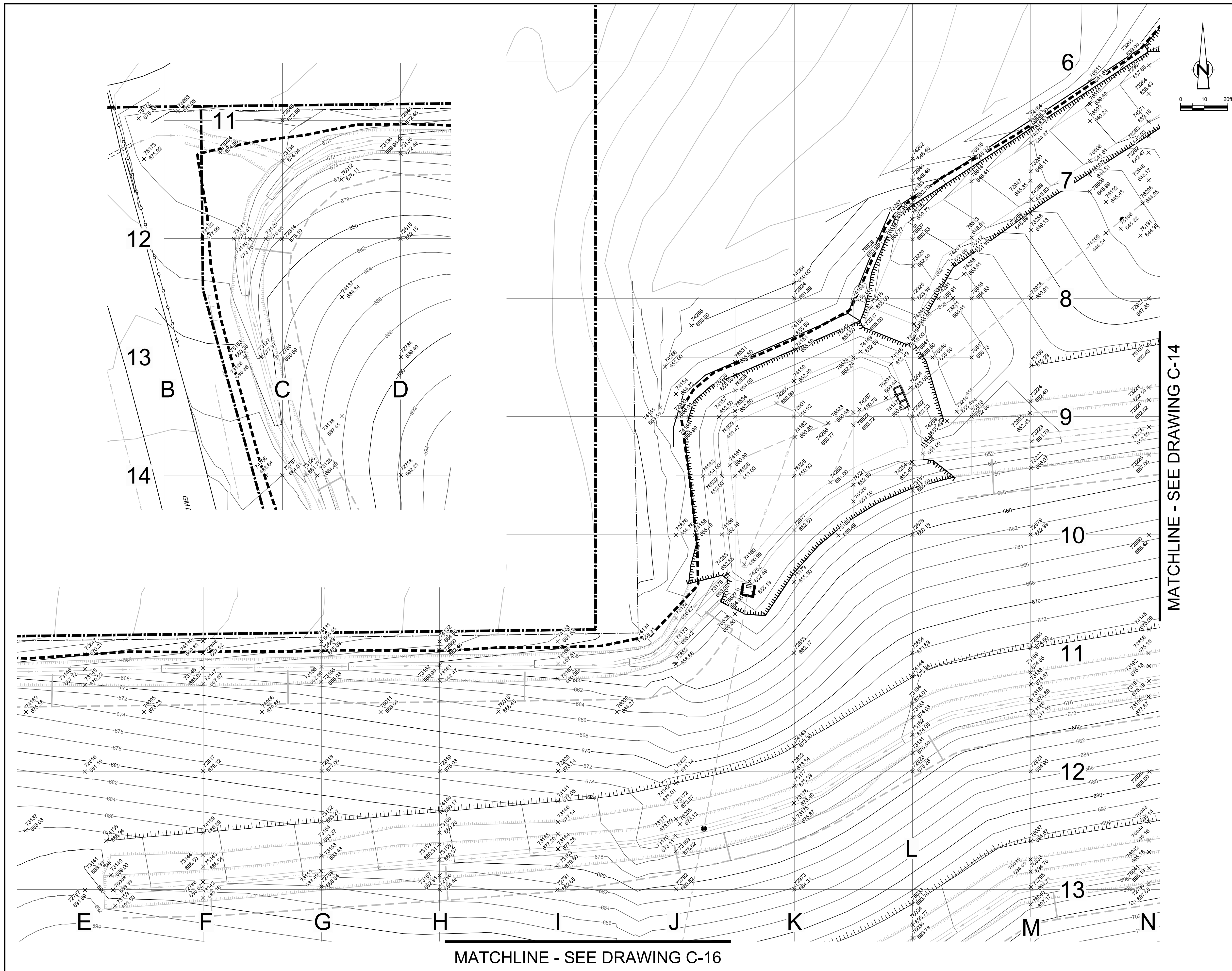


Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-12



MATCHLINE - SEE DRAWING C-14



MATCHLINE - SEE DRAWING C-14

MATCHLINE - SEE DRAWING C-16

No	Revision	Date	Initial

LEGEND

	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER LIMIT
	700 SUBGRADE CONTOUR
	73370 + 676.93 POINT NUMBER AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS
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SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

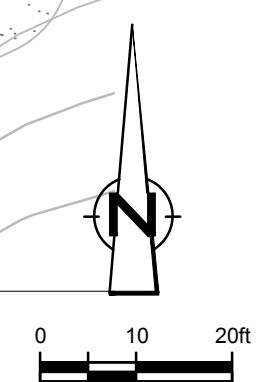
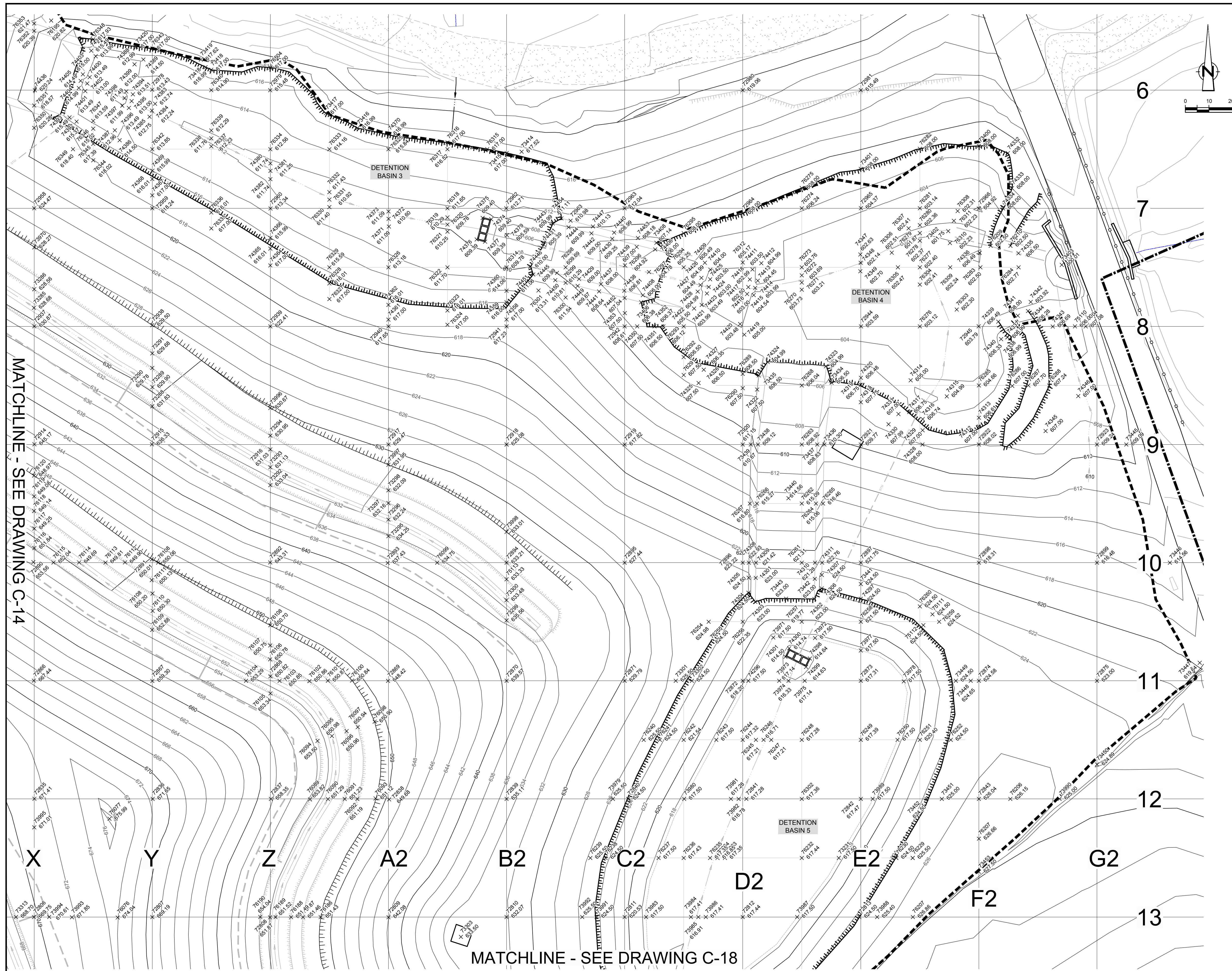
Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

SUBGRADE/FILL ELEVATION PLAN 2 OF 19
 (<50 MG/KG TOTAL PCB SOIL)

CONESTOGA-ROVERS & ASSOCIATES			
Source Reference: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001			
Project Manager: J.M.	Reviewed By: C.R.H.	Date: JUNE 2009	
Scale: 1" = 20'	Project No: 13968-00	Report No: 350	Drawing No: C-13



NO	Revision	Date	Initial

LEGEND

	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER LIMIT
	SUBGRADE CONTOUR
73370	POINT NUMBER
+ 676.93	AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

SUBGRADE/FILL ELEVATION PLAN 4 OF 19
(<50 MG/KG TOTAL PCB SOIL)

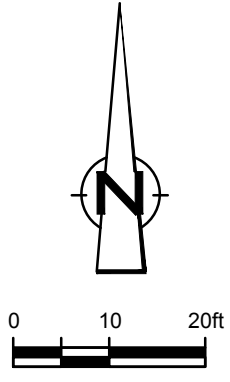
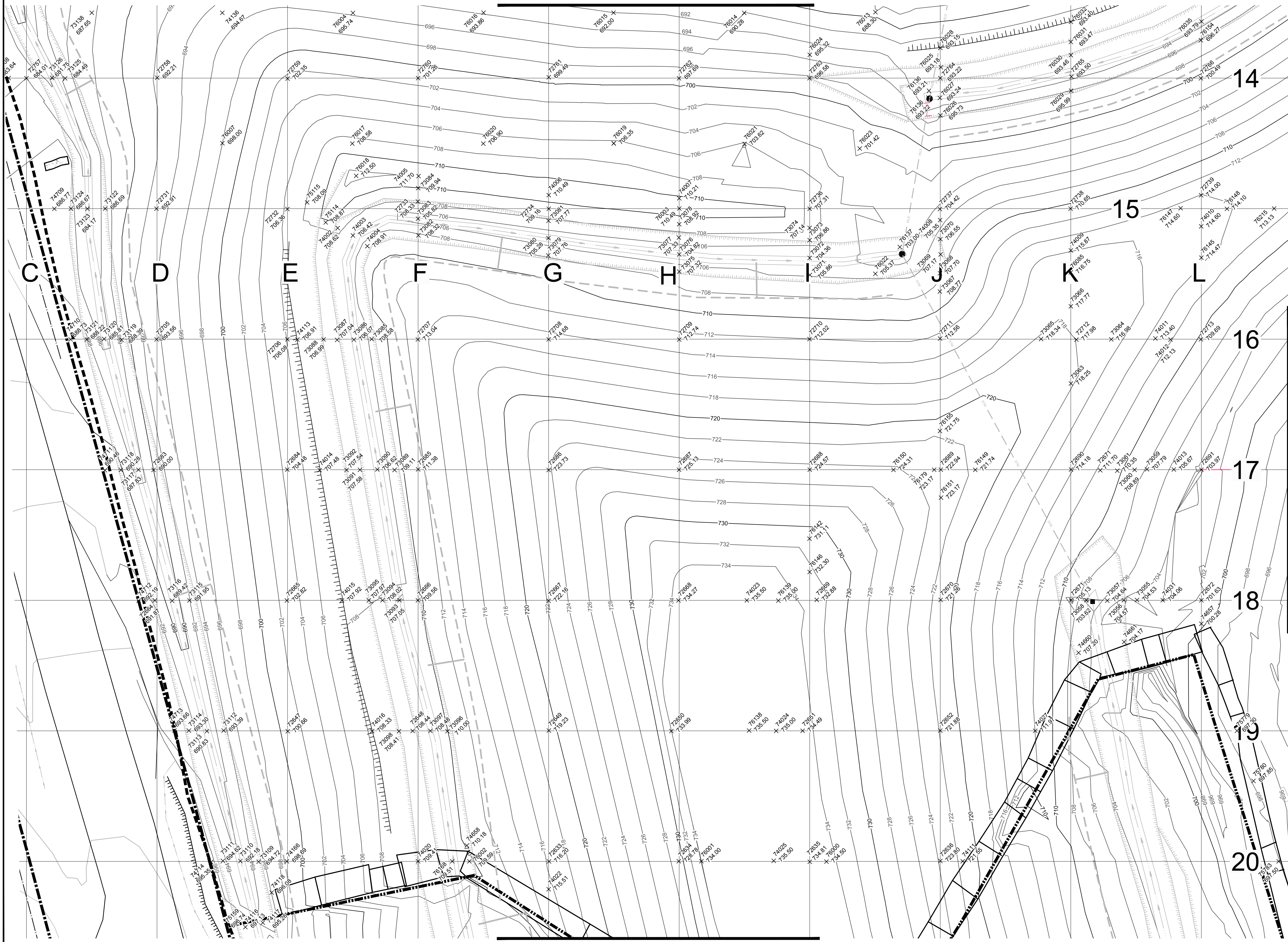
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-15

MATCHLINE - SEE DRAWING C-13

MATCHLINE - SEE DRAWING C-19



No	Revision	Date	Initial

LEGEND

	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER LIMIT
	SUBGRADE CONTOUR
73370	POINT NUMBER
+ 676.93	AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS
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SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

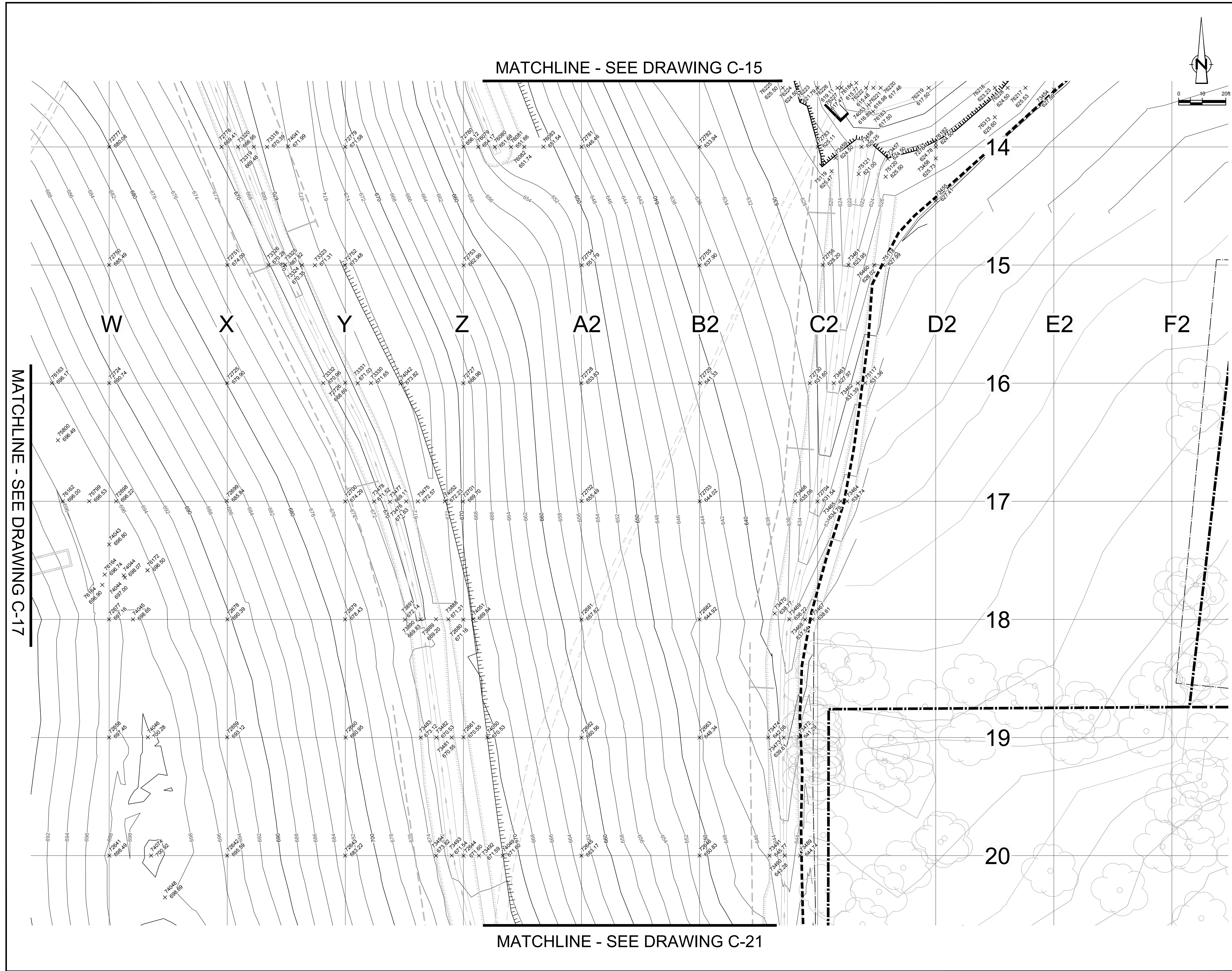
Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**
 EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT
 SUBGRADE/FILL ELEVATION PLAN 5 OF 19
 (<50 MG/KG TOTAL PCB SOIL)



Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

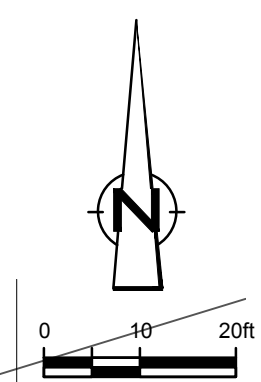
Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-16



MATCHLINE - SEE DRAWING C-17

MATCHLINE - SEE DRAWING C-15

MATCHLINE - SEE DRAWING C-21



NO	Revision	Date	Initial

LEGEND

	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER LIMIT
	SUBGRADE CONTOUR
73370	POINT NUMBER
+ 676.93	AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS
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SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

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DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

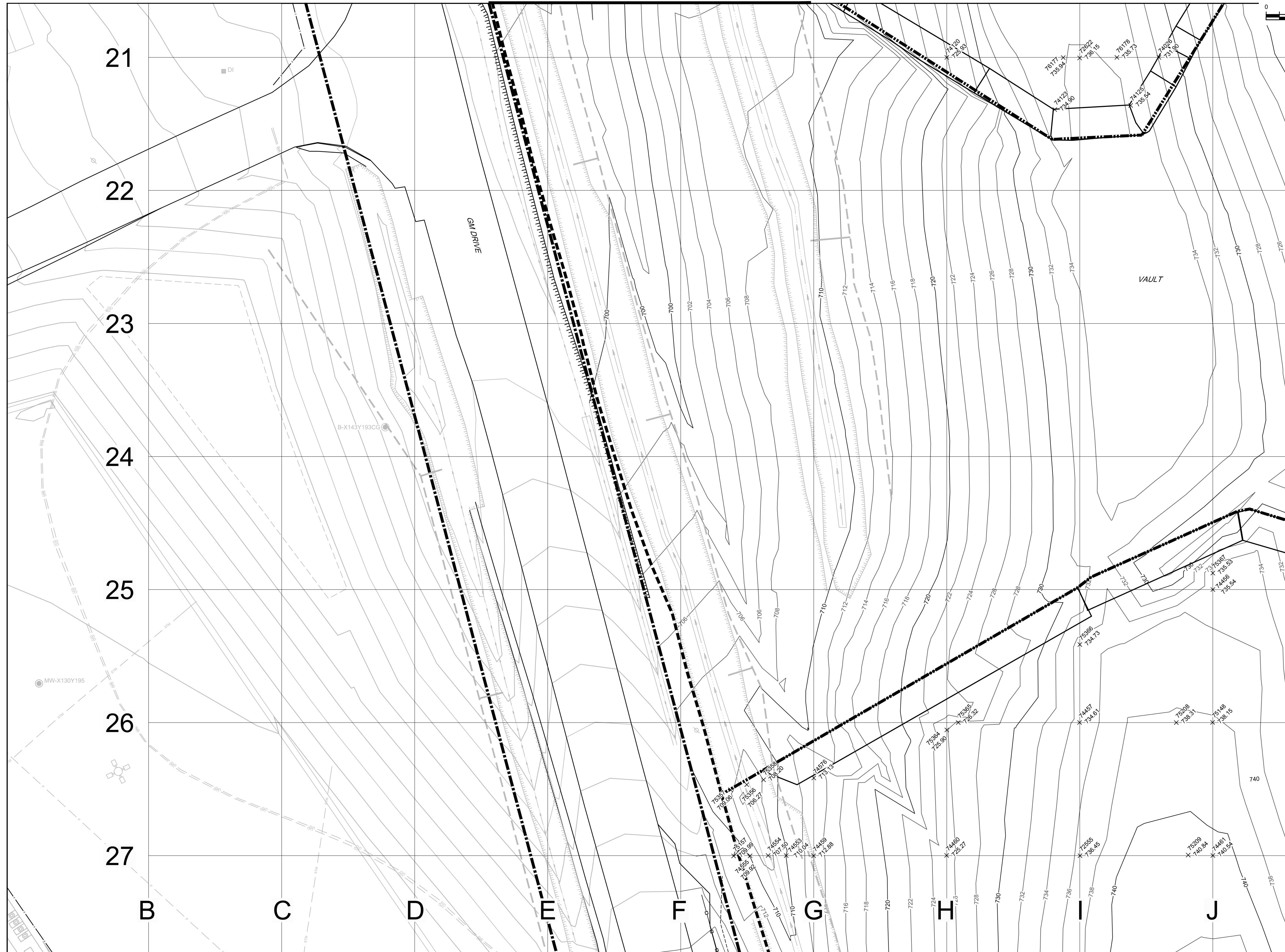
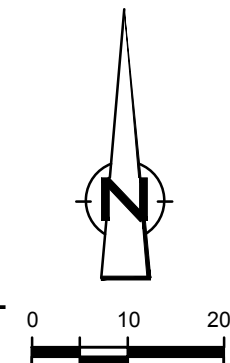
SUBGRADE/FILL ELEVATION PLAN 7 OF 19
 (<50 MG/KG TOTAL PCB SOIL)

CRA CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 350
		Drawing N°: C-18

MATCHLINE - SEE DRAWING C-16



MATCHLINE - SEE DRAWING C-22

MATCHLINE - SEE DRAWING C-20

Nº	Revision	Date	Initial

LEGEND	
	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER LIMIT
	SUBGRADE CONTOUR
73370	POINT NUMBER
+ 676.93	AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

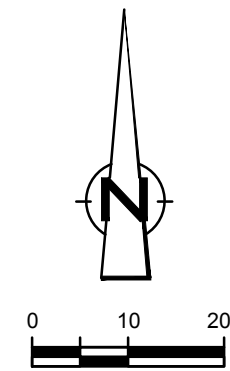
EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

SUBGRADE/FILL ELEVATION PLAN 8 OF 19
 (<50 MG/KG TOTAL PCB SOIL)

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project Nº: 13968-00	Report Nº: 350
		Drawing Nº: C-19

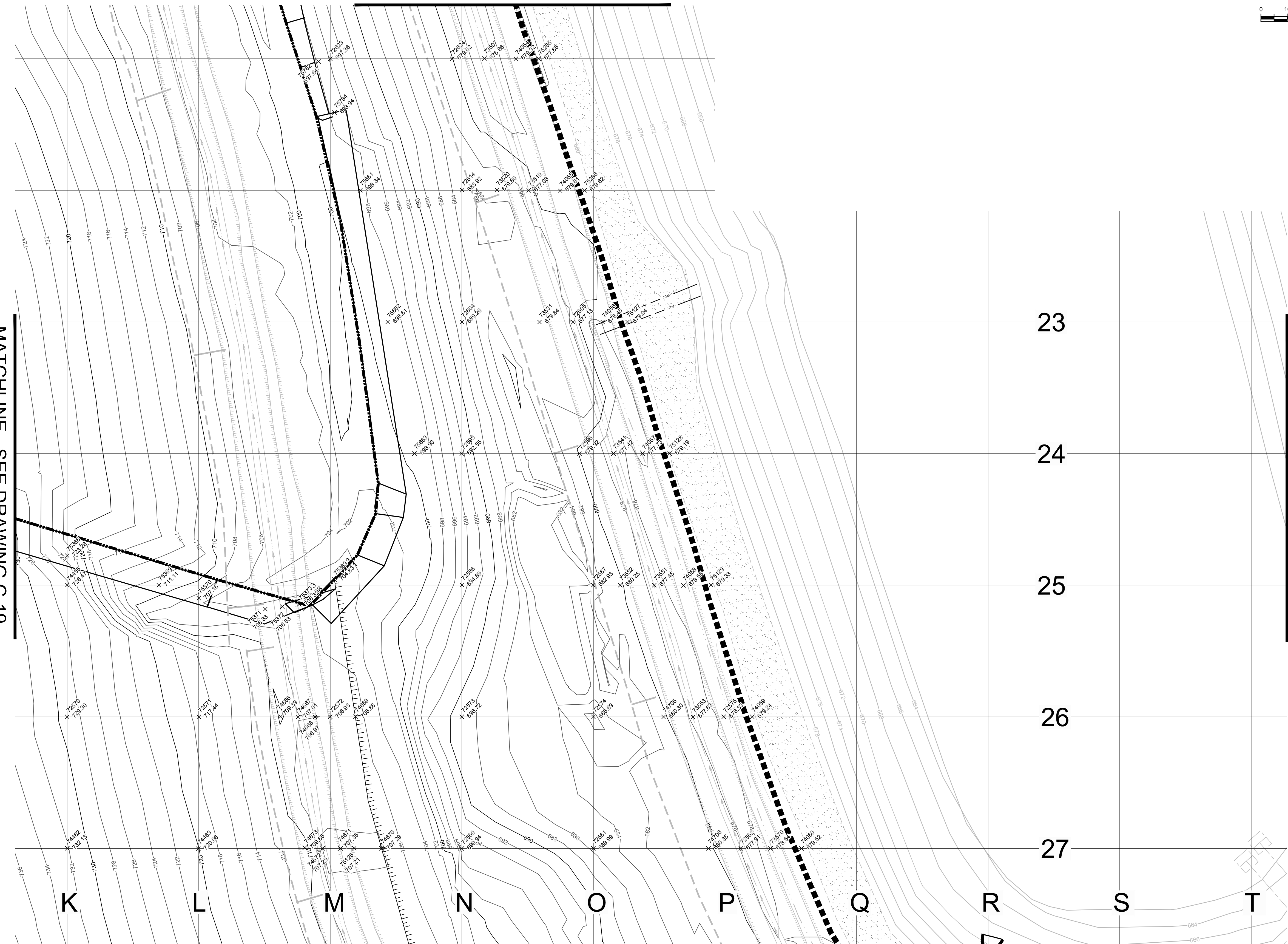


MATCHLINE - SEE DRAWING C-17

MATCHLINE - SEE DRAWING C-19

MATCHLINE - SEE DRAWING C-21

MATCHLINE - SEE DRAWING C-23



NO	Revision	Date	Initial

LEGEND

	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER LIMIT
	SUBGRADE CONTOUR
73370	POINT NUMBER
+ 676.93	AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

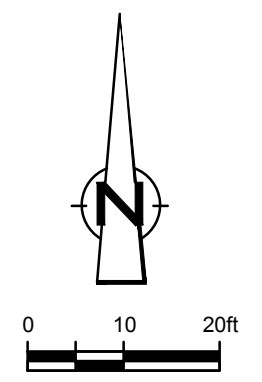
**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**
 EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT
 SUBGRADE/FILL ELEVATION PLAN 9 OF 19
 (<50 MG/KG TOTAL PCB SOIL)

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project Nº: 13968-00	Report Nº: 350 Drawing Nº: C-20

MATCHLINE - SEE DRAWING C-18



NQ	Revision	Date	Initial

LEGEND

	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER LIMIT
	SUBGRADE CONTOUR
73370	POINT NUMBER
+ 676.93	AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

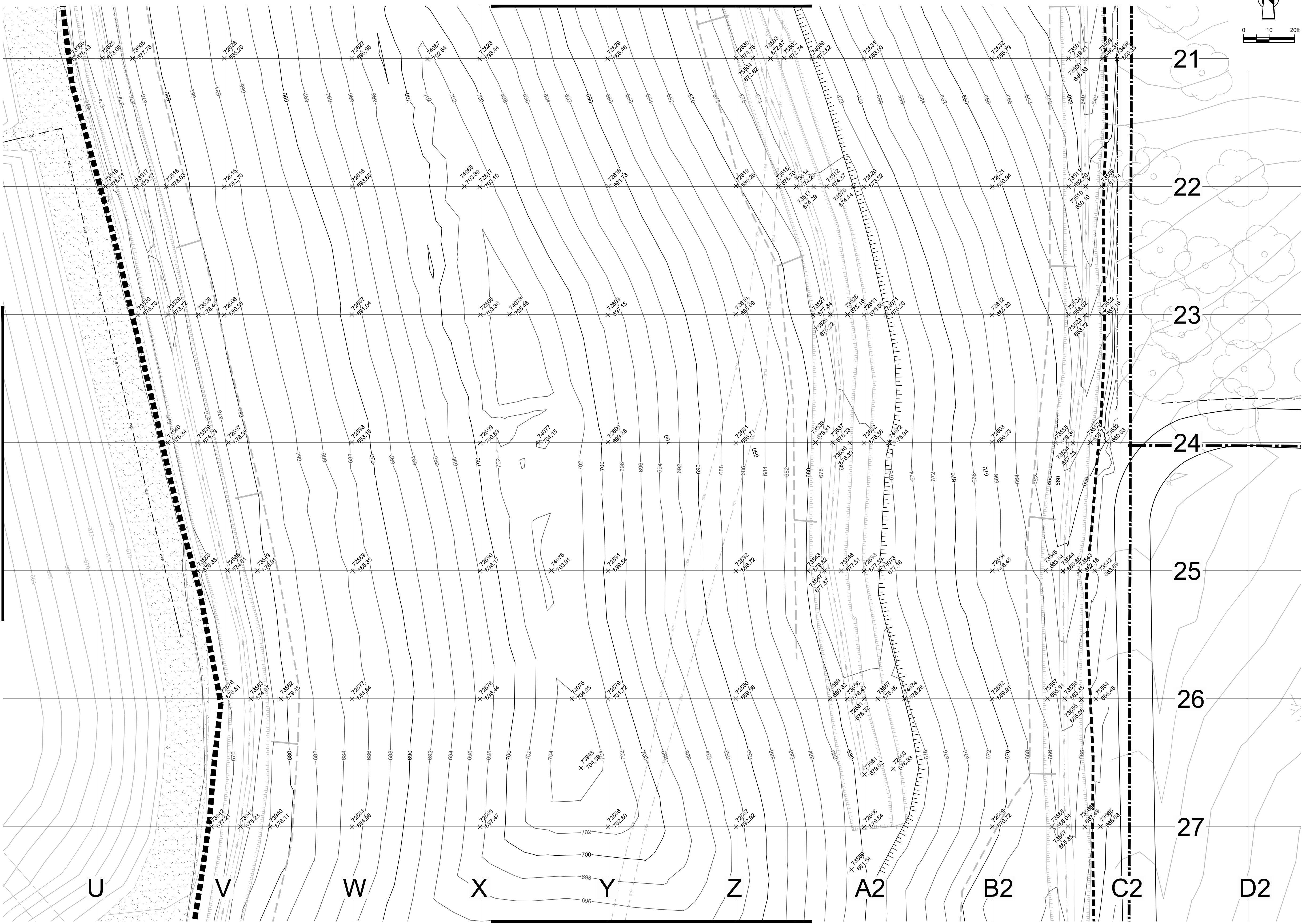
SUBGRADE/FILL ELEVATION PLAN 10 OF 19
 (<50 MG/KG TOTAL PCB SOIL)



Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

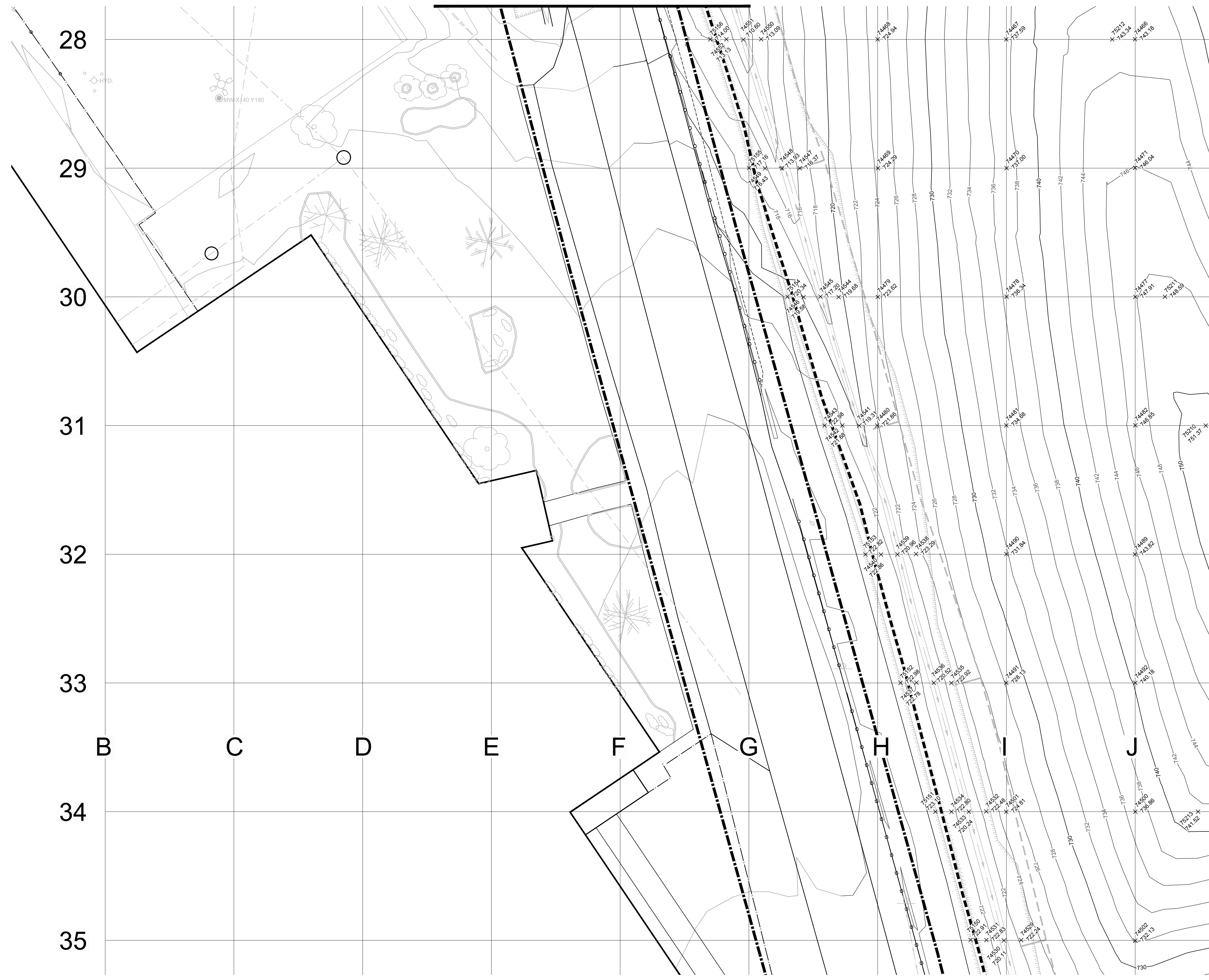
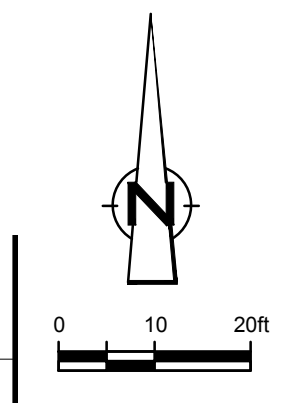
Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 350
		Drawing N°: C-21

MATCHLINE - SEE DRAWING C-20



MATCHLINE - SEE DRAWING C-24

MATCHLINE - SEE DRAWING C-19



Nº	Revision	Date	Initial

LEGEND

	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER LIMIT
	SUBGRADE CONTOUR
73370	POINT NUMBER
+ 676.93	AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

SUBGRADE/FILL ELEVATION PLAN 11 OF 19
 (<50 MG/KG TOTAL PCB SOIL)

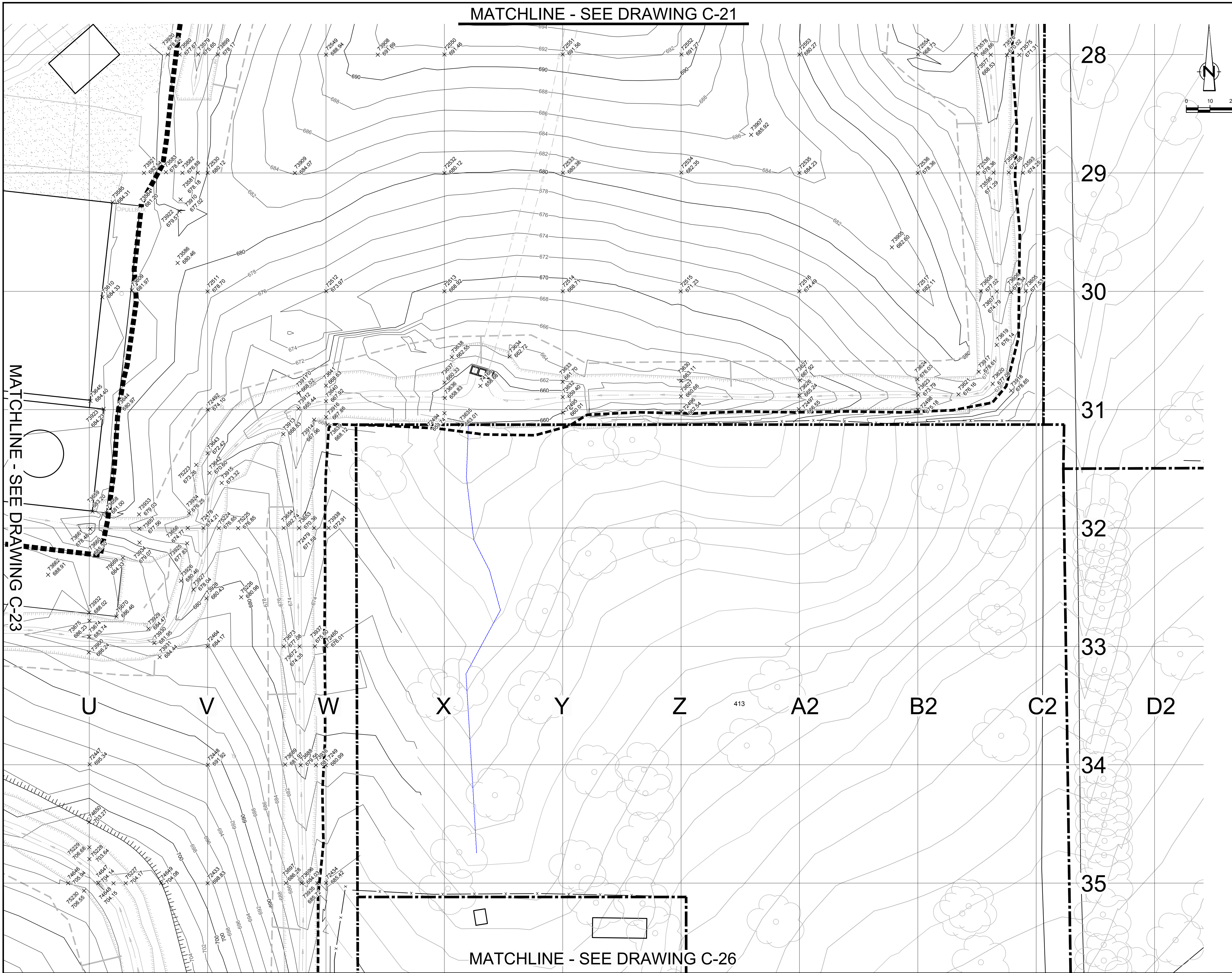


Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project Nº: 13968-00	Report Nº: 350
		Drawing Nº: C-22

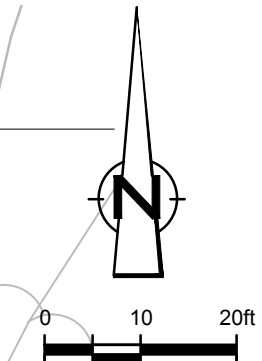
MATCHLINE - SEE DRAWING C-23

MATCHLINE - SEE DRAWING C-21



MATCHLINE - SEE DRAWING C-23

MATCHLINE - SEE DRAWING C-26



NO	Revision	Date	Initial

LEGEND

	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER LIMIT
	SUBGRADE CONTOUR
73370	POINT NUMBER
+ 676.93	AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

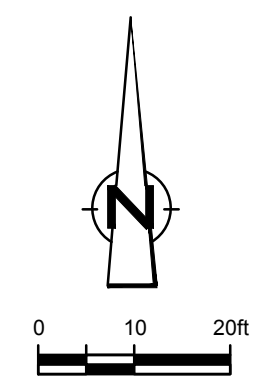
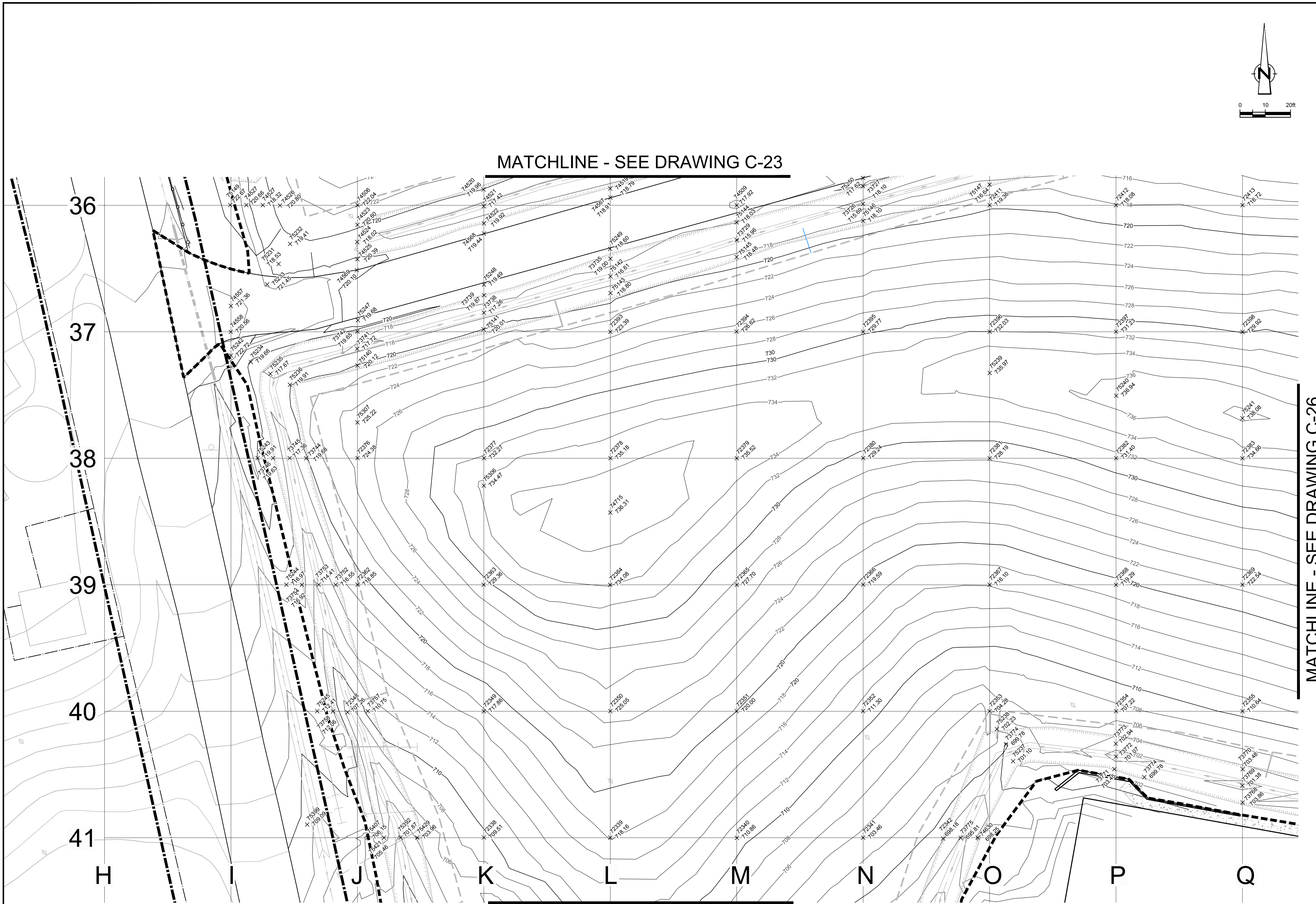
Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**
 EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT
 SUBGRADE/FILL ELEVATION PLAN 13 OF 19
 (<50 MG/KG TOTAL PCB SOIL)

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 350 Drawing N°: C-24



MATCHLINE - SEE DRAWING C-23

MATCHLINE - SEE DRAWING C-26

MATCHLINE - SEE DRAWING C-27

NO	Revision	Date	Initial

LEGEND	
	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER LIMIT
	SUBGRADE CONTOUR
700	SUBGRADE CONTOUR
73370 + 676.93	POINT NUMBER AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

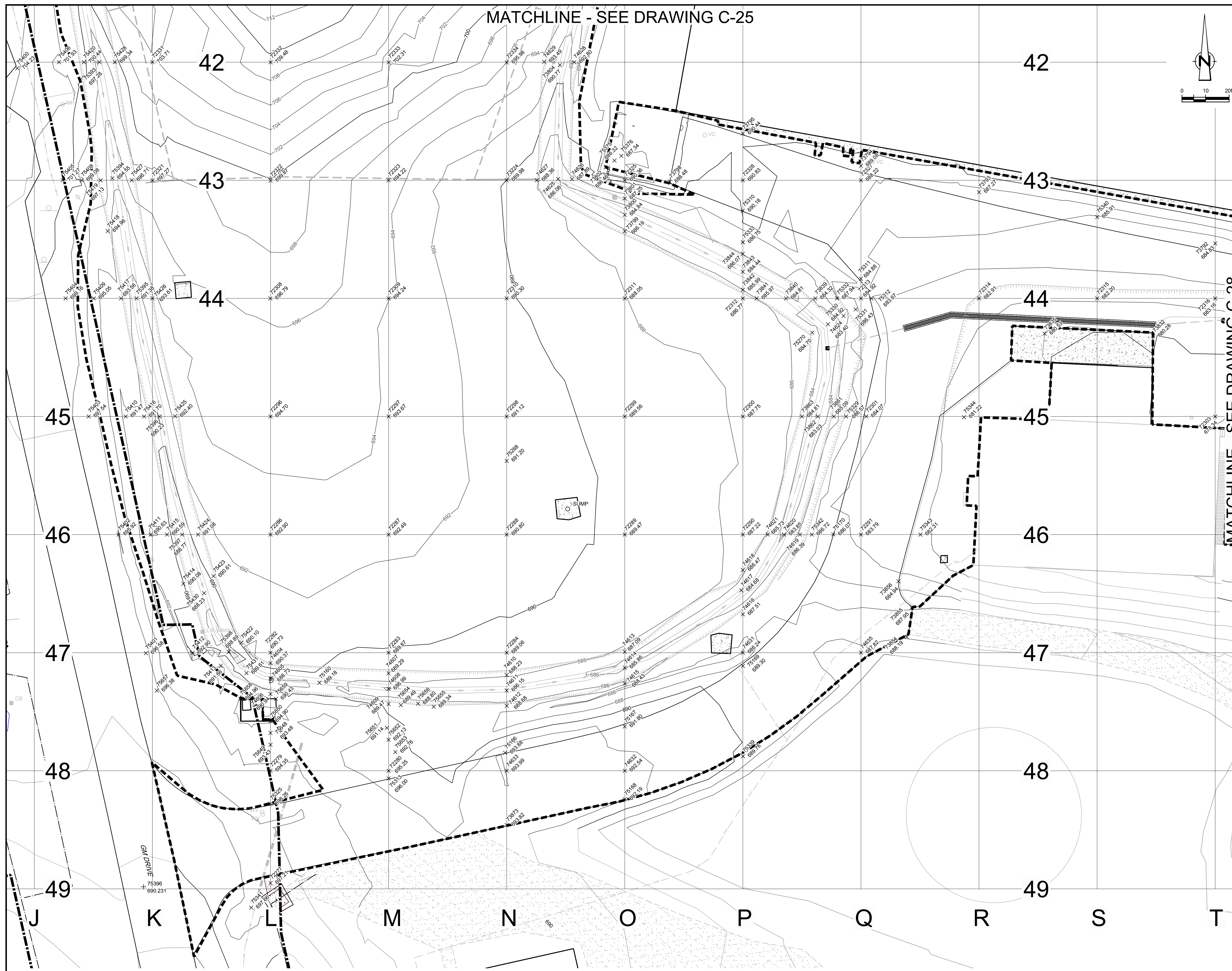
DRAWING STATUS		
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**
 EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT
 SUBGRADE/FILL ELEVATION PLAN 14 OF 19
 (<50 MG/KG TOTAL PCB SOIL)

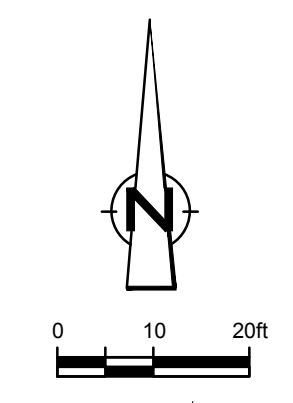
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 350
		Drawing N°: C-25



MATCHLINE - SEE DRAWING C-25



NO	Revision	Date	Initial

LEGEND

	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER LIMIT
	SUBGRADE CONTOUR
73370	POINT NUMBER
+ 676.93	AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS
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SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

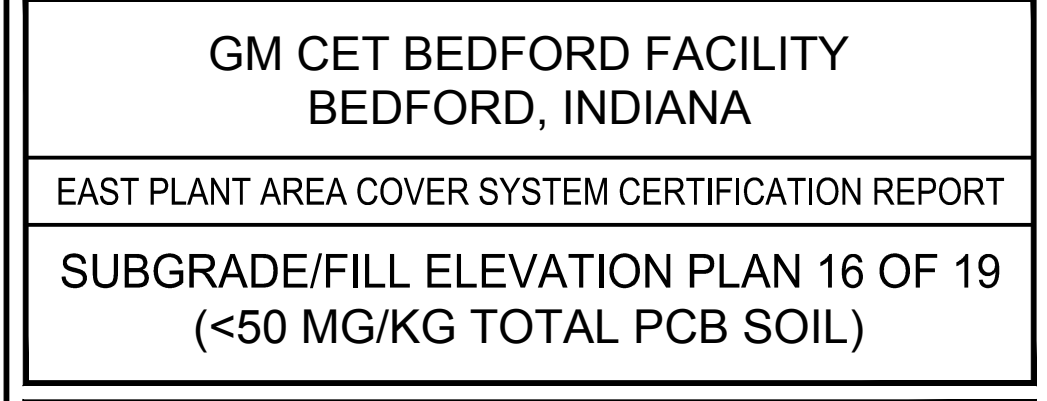
DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

SUBGRADE/FILL ELEVATION PLAN 16 OF 19
 (<50 MG/KG TOTAL PCB SOIL)

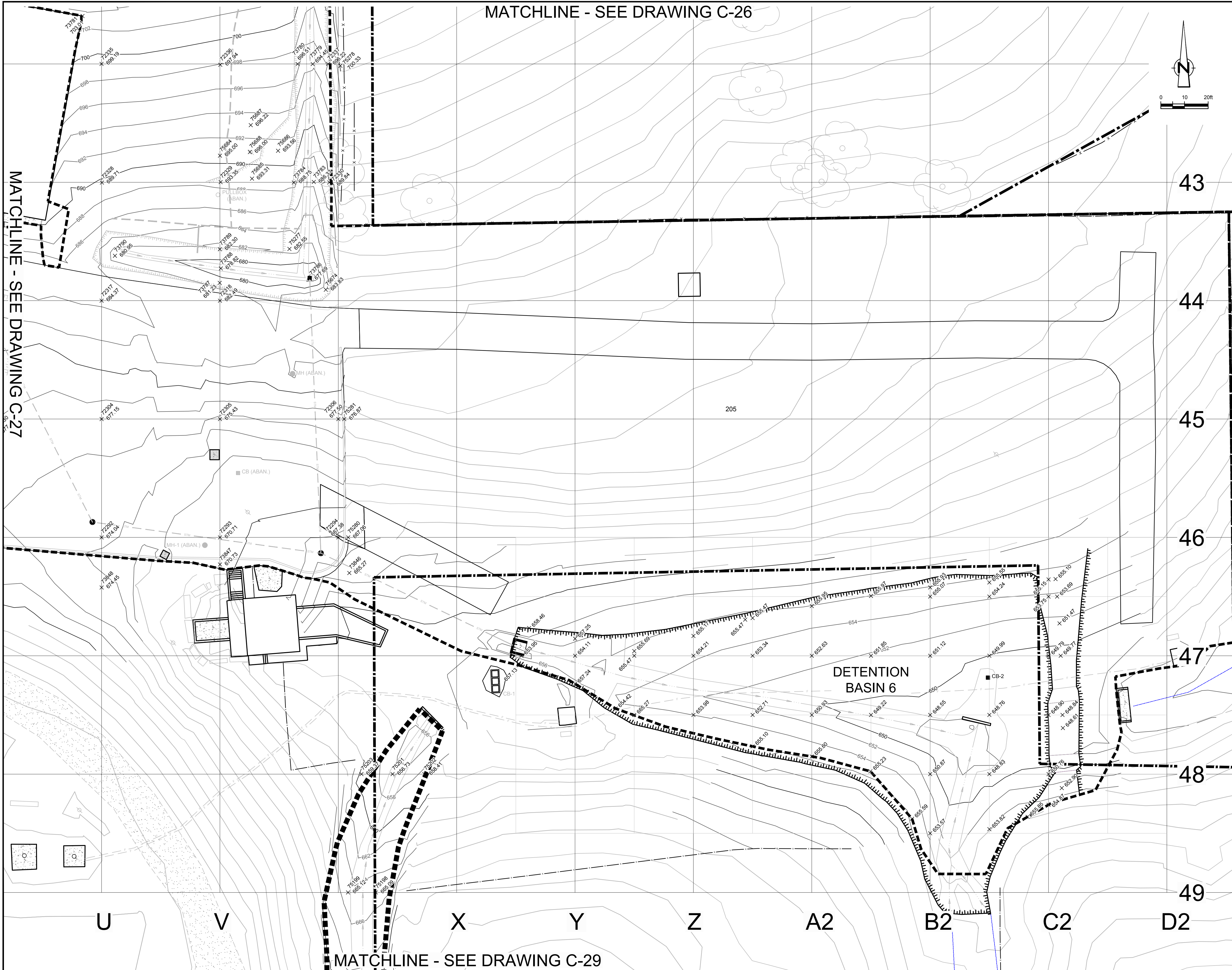


Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 350
		Drawing N°: C-27

MATCHLINE - SEE DRAWING C-26

MATCHLINE - SEE DRAWING C-27



MATCHLINE - SEE DRAWING C-29

No.	Revision	Date	Initial

- LEGEND**
- APPROXIMATE GM PROPERTY BOUNDARY
 - EAST PLANT COVER LIMIT
 - SUBGRADE CONTOUR
 - 73370
+ 676.93
 POINT NUMBER
AS-BUILT TOP OF SUBGRADE ELEVATION (ft)
 - + 651.12
 DETENTION BASIN 6
AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved _____

DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

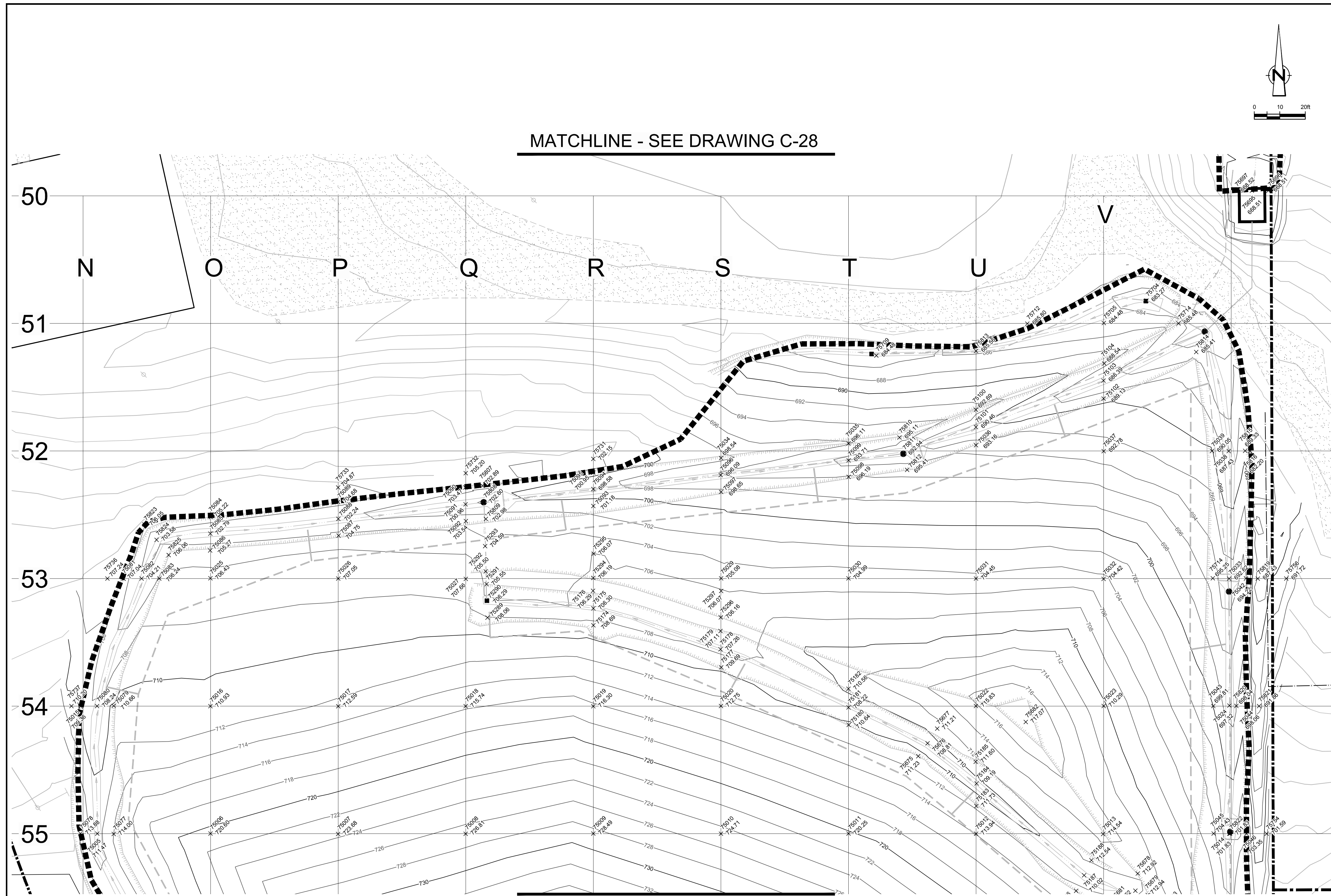
EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT
 SUBGRADE/FILL ELEVATION PLAN 17 OF 19
 (<50 MG/KG TOTAL PCB SOIL)

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-28

13968-00(350)CI-WA014 MAR 2/2015



MATCHLINE - SEE DRAWING C-28

MATCHLINE - SEE DRAWING C-30

NO	Revision	Date	Initial

LEGEND

	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER LIMIT
	SUBGRADE CONTOUR
73370	POINT NUMBER
+ 676.93	AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

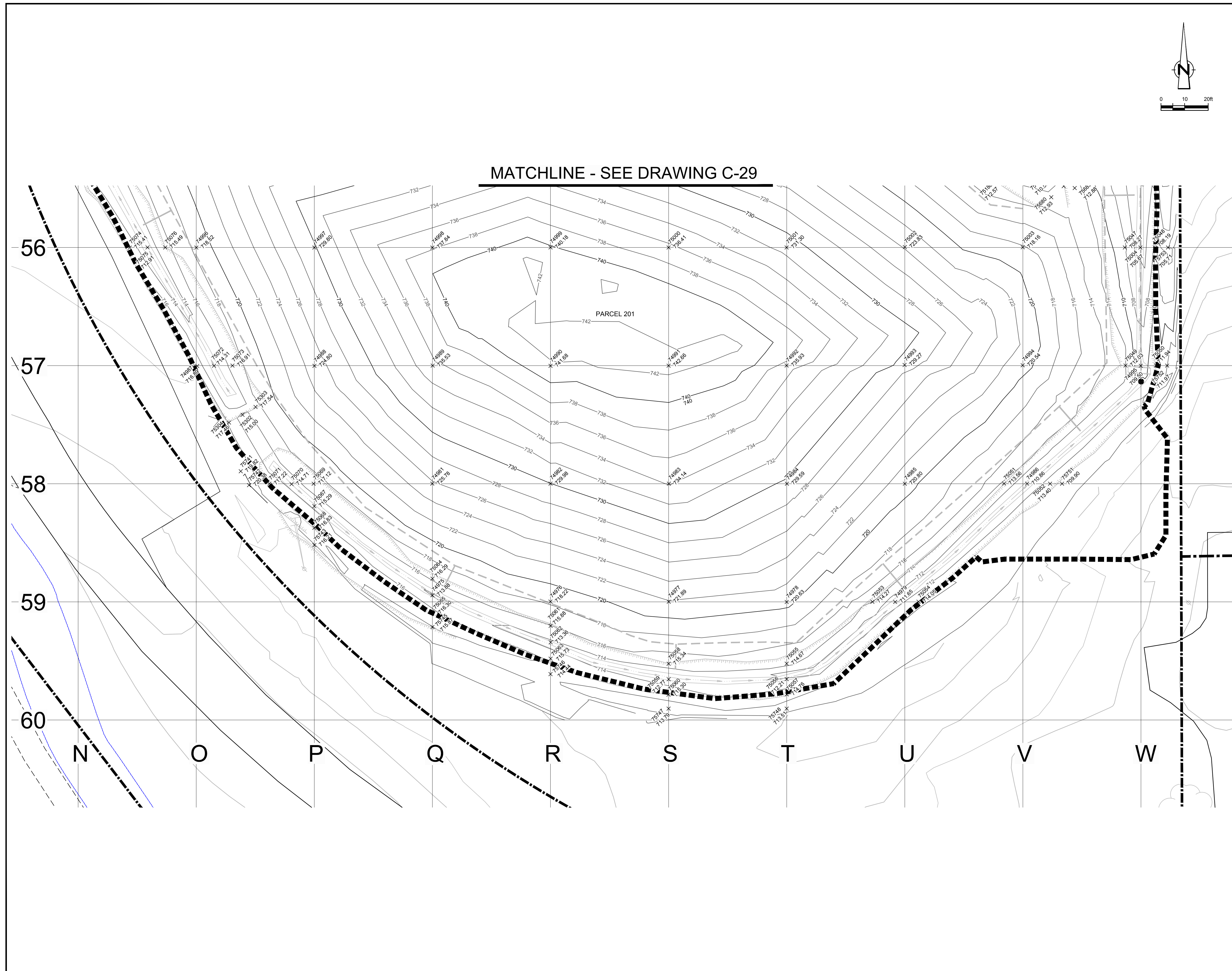
Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**
 EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT
 SUBGRADE/FILL ELEVATION PLAN 18 OF 19
 (<50 MG/KG TOTAL PCB SOIL)

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-29



NO	Revision	Date	Initial

LEGEND

	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER LIMIT
	SUBGRADE CONTOUR
73370	POINT NUMBER
+ 676.93	AS-BUILT TOP OF SUBGRADE ELEVATION (ft)

RECORD DRAWINGS
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SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

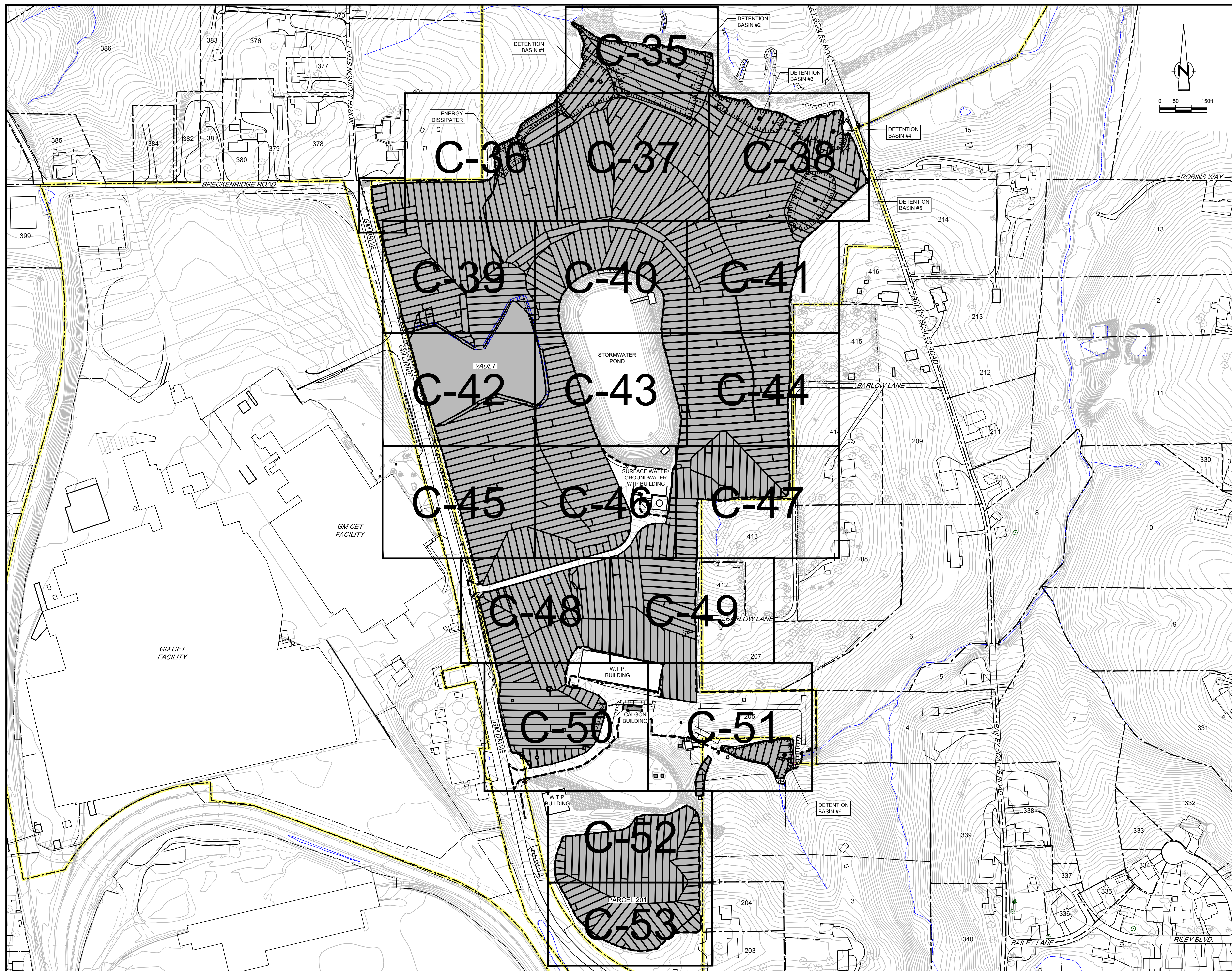
Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**
 EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT
 SUBGRADE/FILL ELEVATION PLAN 19 OF 19
 (<50 MG/KG TOTAL PCB SOIL)

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 350
		Drawing N°: C-30



Nº	Revision	Date	Initial

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER LIMIT
- SUBGRADE CONTOUR
- LINER PANEL LIMIT

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved _____

DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

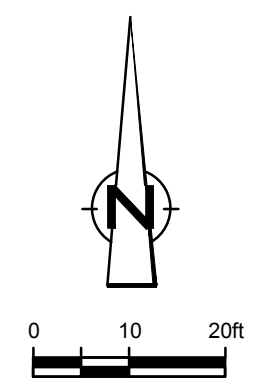
EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

**60-MIL LLDPE GEOMEMBRANE
 OVERALL PLAN**

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 150'	Project Nº: 13968-00	Report Nº: 350
		Drawing Nº: C-31



No	Revision	Date	Initial

LEGEND

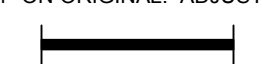
- LINER PANEL LIMIT
- DS4 R20 60 MIL TEXTURED LLDPE LINER PANEL DESTRUCTIVE / REPAIR SEAM TEST LOCATION
- + R48 60 MIL TEXTURED LLDPE LINER PANEL REPAIR LOCATION
- WP-16 60 MIL TEXTURED LLDPE LINER PANEL IDENTIFICATION ID

RECORD DRAWINGS

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.



Approved 	
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DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

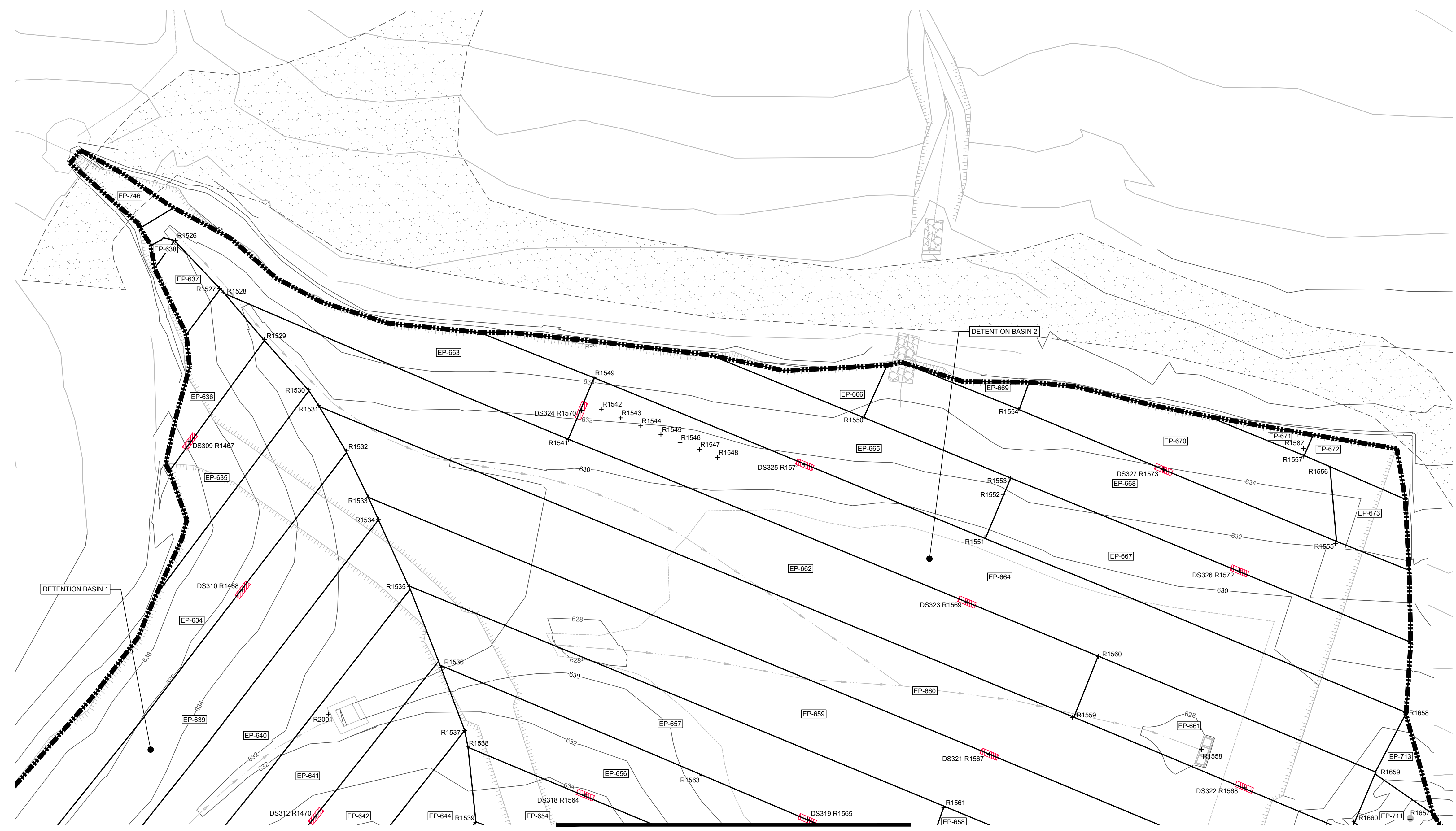
EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

**FINAL COVER SYSTEM 60-MIL LLDPE
GEOMEMBRANE PLAN 1 OF 19**

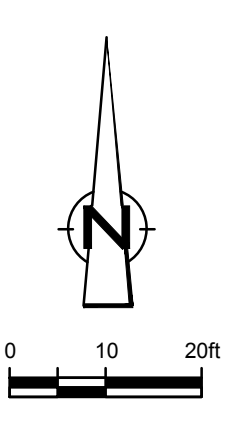


Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
	Drawing No: C-32	



MATCHLINE - SEE DRAWING C-34



No	Revision	Date	Initial

LEGEND

	LINER PANEL LIMIT
	60 MIL TEXTURED LLDPE LINER PANEL DESTRUCTIVE / REPAIR SEAM TEST LOCATION
	60 MIL TEXTURED LLDPE LINER PANEL REPAIR LOCATION
	60 MIL TEXTURED LLDPE LINER PANEL IDENTIFICATION ID

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

**FINAL COVER SYSTEM 60-MIL LLDPE
 GEOMEMBRANE PLAN 2 OF 19**

CRA CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

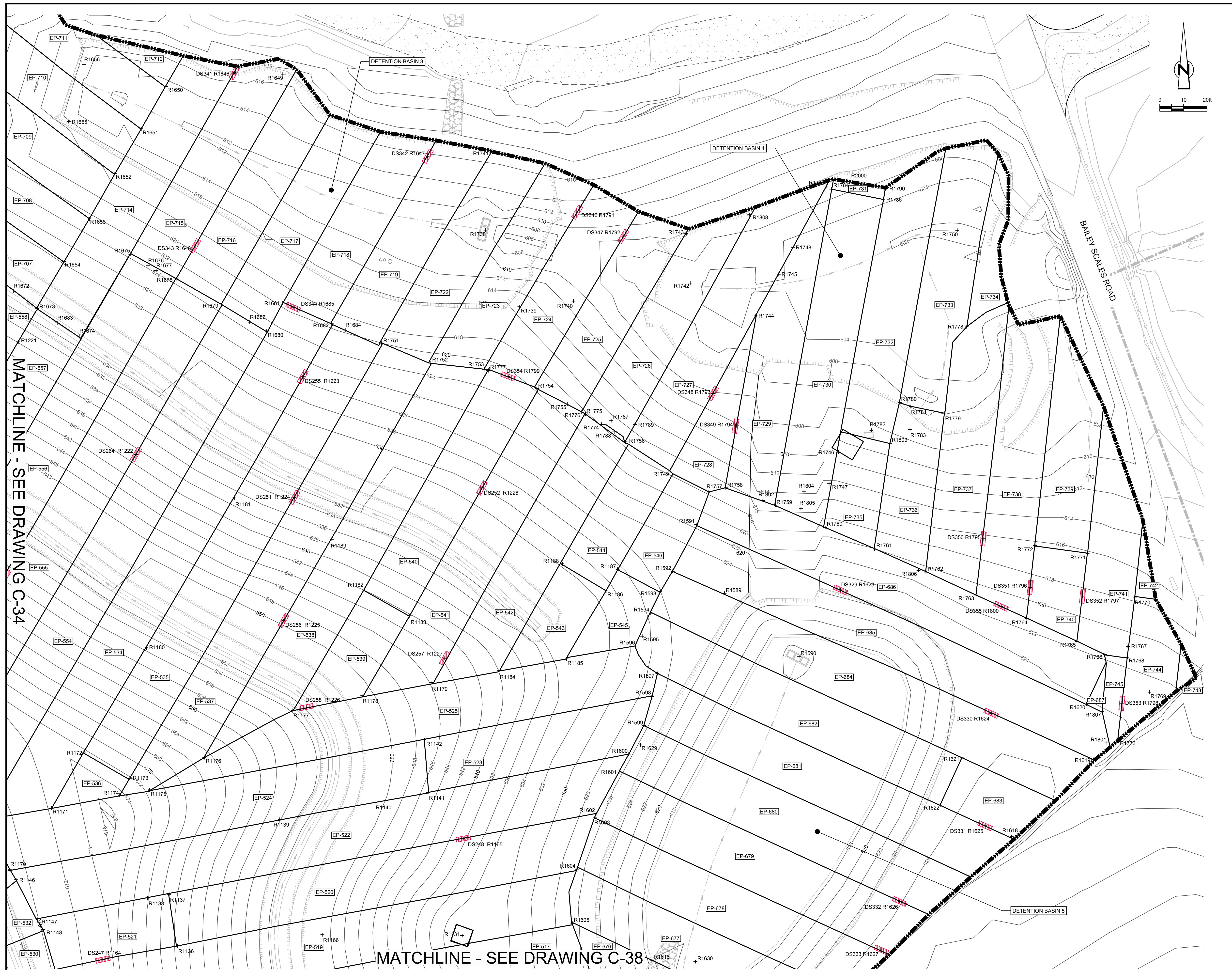
Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
	Drawing No: C-33	

MATCHLINE - SEE ABOVE

MATCHLINE - SEE BELOW

MATCHLINE - SEE DRAWING C-34

MATCHLINE - SEE DRAWING C-36



NO	Revision	Date	Initial

LEGEND

	LINER PANEL LIMIT
	60 MIL TEXTURED LLDPE LINER PANEL DESTRUCTIVE / REPAIR SEAM TEST LOCATION
	60 MIL TEXTURED LLDPE LINER PANEL REPAIR LOCATION
	60 MIL TEXTURED LLDPE LINER PANEL IDENTIFICATION ID

RECORD DRAWINGS
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SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

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DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

FINAL COVER SYSTEM 60-MIL LLDPE
 GEOMEMBRANE PLAN 4 OF 19

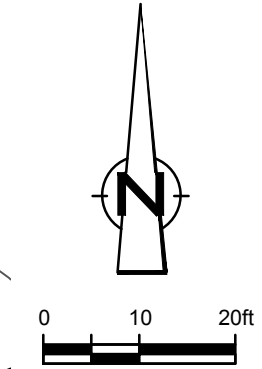
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-35

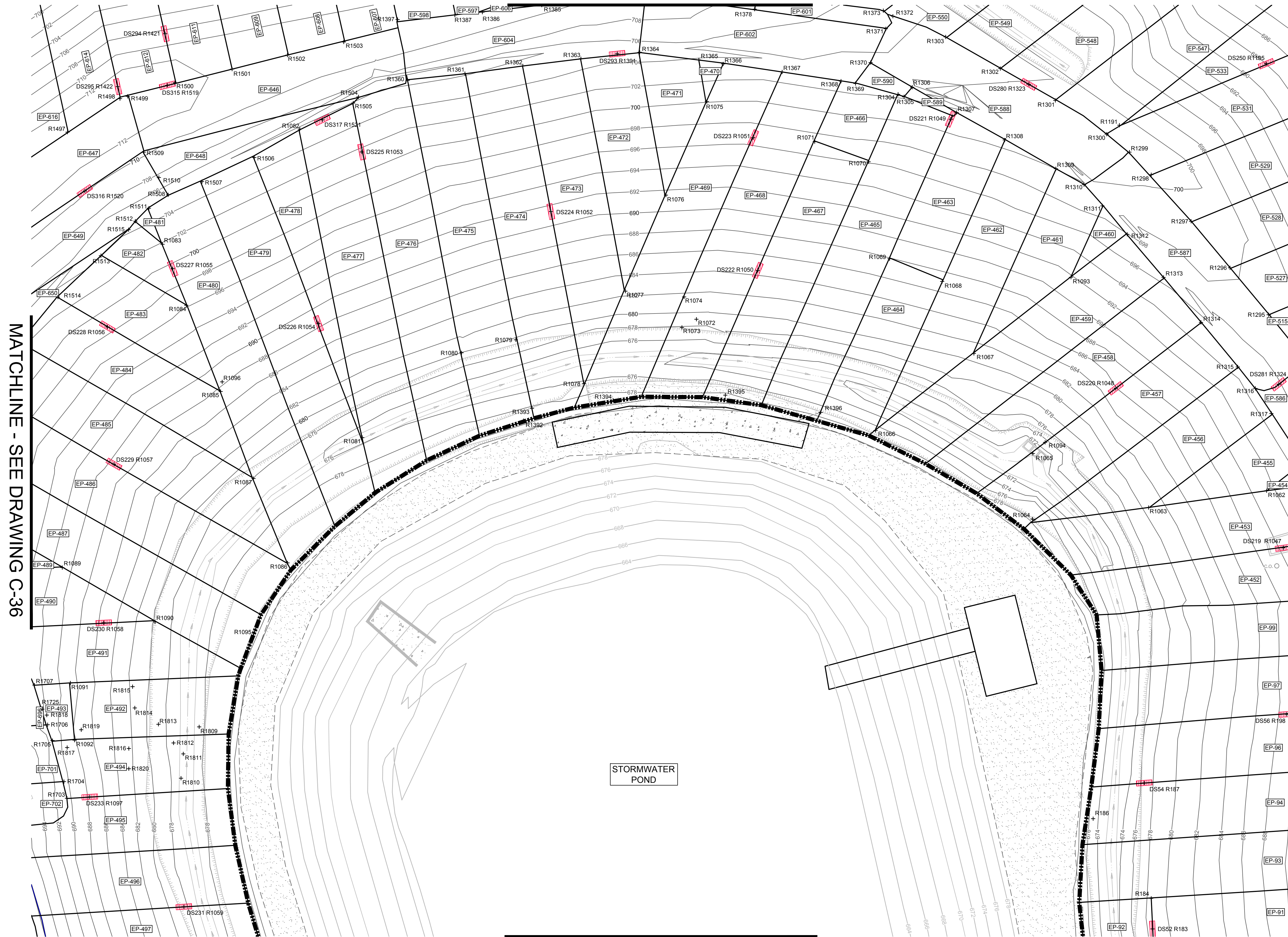
13968-00(350)CI-WA017 MAR 2/2015

MATCHLINE - SEE DRAWING C-34



MATCHLINE - SEE DRAWING C-36

MATCHLINE - SEE DRAWING C-38



MATCHLINE - SEE DRAWING C-40

No	Revision	Date	Initial

LEGEND

	LINER PANEL LIMIT
	DS4 R20 60 MIL TEXTURED LLDPE LINER PANEL DESTRUCTIVE / REPAIR SEAM TEST LOCATION
	R48 60 MIL TEXTURED LLDPE LINER PANEL REPAIR LOCATION
	WP-16 60 MIL TEXTURED LLDPE LINER PANEL IDENTIFICATION ID

RECORD DRAWINGS
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SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

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DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

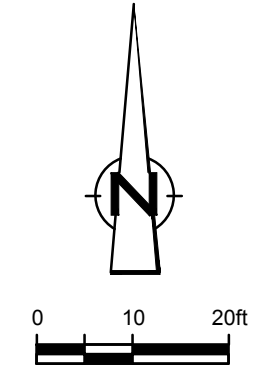
FINAL COVER SYSTEM 60-MIL LLDPE
 GEOMEMBRANE PLAN 6 OF 19

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

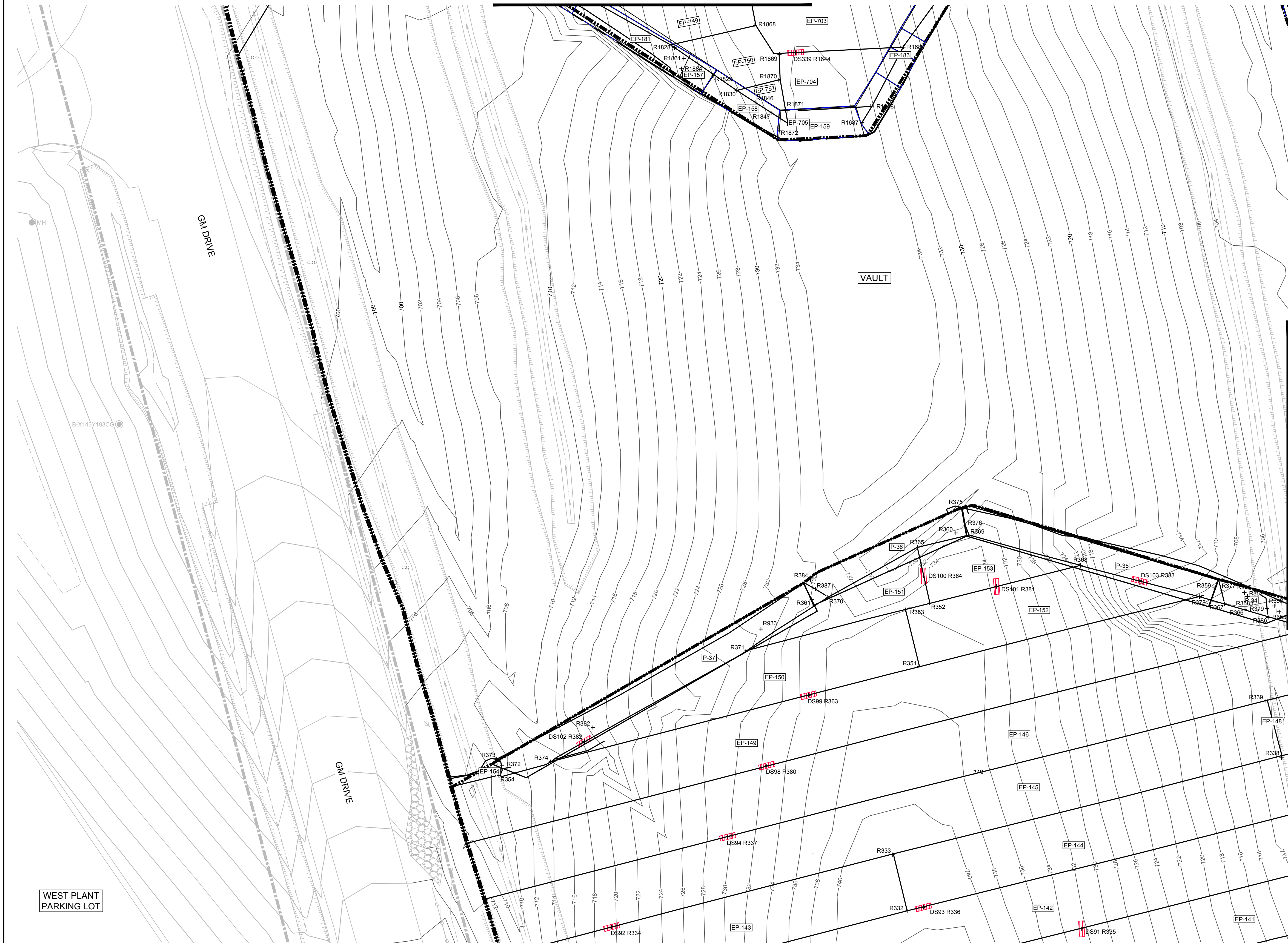
Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-37

MATCHLINE - SEE DRAWING C-36



MATCHLINE - SEE DRAWING C-42

MATCHLINE - SEE DRAWING C-40



WEST PLANT
PARKING LOT

NO	Revision	Date	Initial

LEGEND

	LINER PANEL LIMIT
	DS4 R20 60 MIL TEXTURED LLDPE LINER PANEL DESTRUCTIVE / REPAIR SEAM TEST LOCATION
	R48 60 MIL TEXTURED LLDPE LINER PANEL REPAIR LOCATION
	WP-16 60 MIL TEXTURED LLDPE LINER PANEL IDENTIFICATION ID

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SCALE VERIFICATION
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Approved

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DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

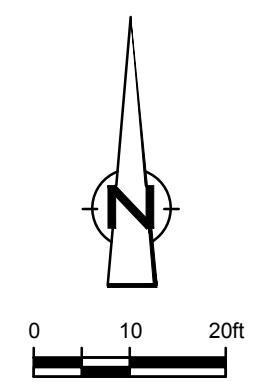
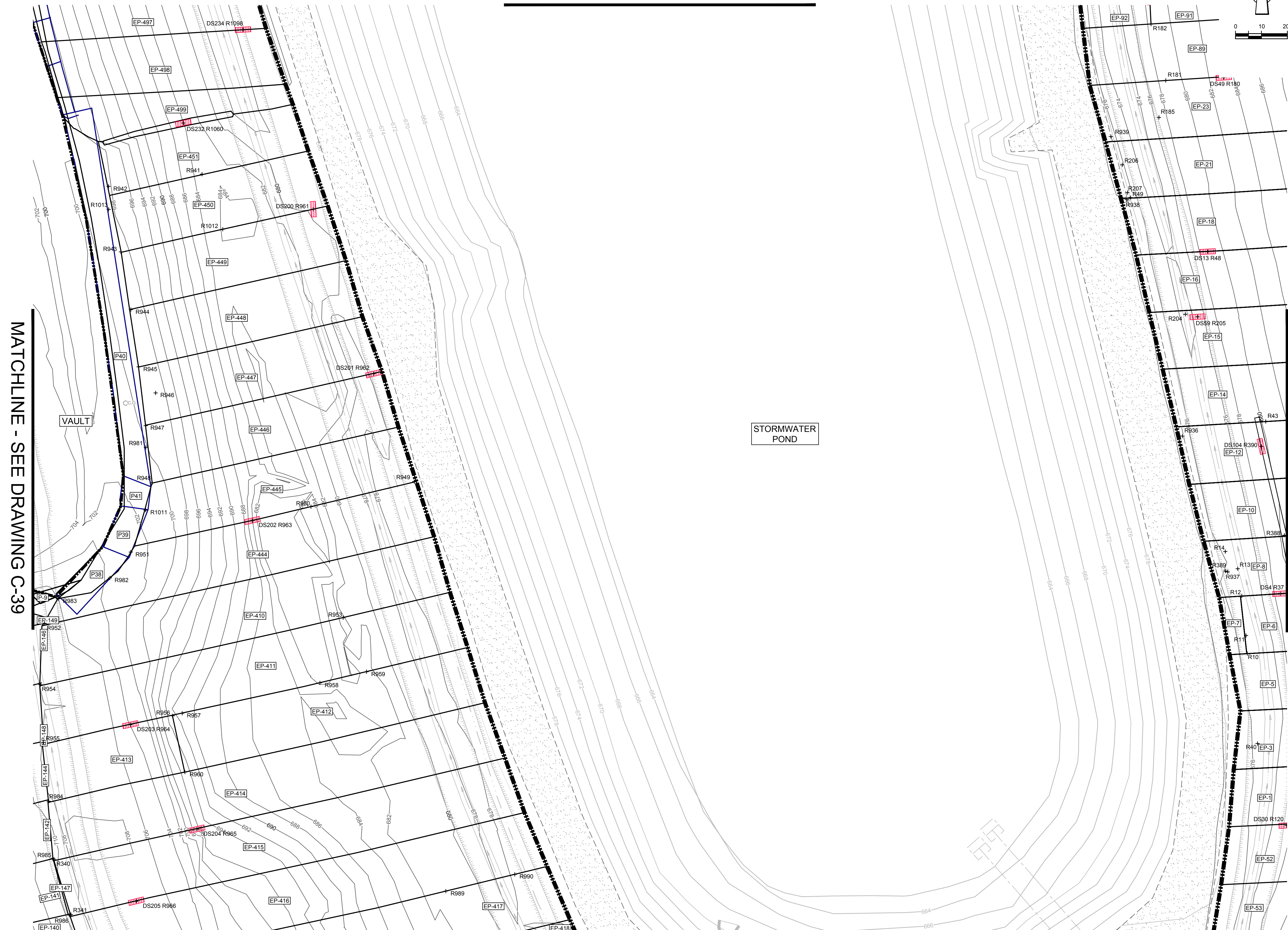
FINAL COVER SYSTEM 60-MIL LLDPE
 GEOMEMBRANE PLAN 8 OF 19

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-39

MATCHLINE - SEE DRAWING C-37



MATCHLINE - SEE DRAWING C-39

MATCHLINE - SEE DRAWING C-41

STORMWATER POND

MATCHLINE - SEE DRAWING C-43

NO	Revision	Date	Initial

LEGEND

	LINER PANEL LIMIT
	DS4 R20 60 MIL TEXTURED LLDPE LINER PANEL DESTRUCTIVE / REPAIR SEAM TEST LOCATION
	R48 60 MIL TEXTURED LLDPE LINER PANEL REPAIR LOCATION
	WP-16 60 MIL TEXTURED LLDPE LINER PANEL IDENTIFICATION ID

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Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

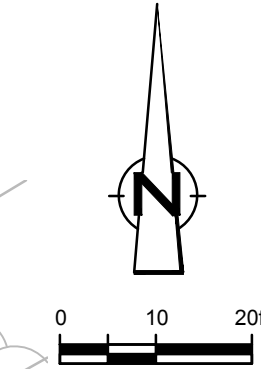
FINAL COVER SYSTEM 60-MIL LLDPE
 GEOMEMBRANE PLAN 9 OF 19

CONESTOGA-ROVERS & ASSOCIATES

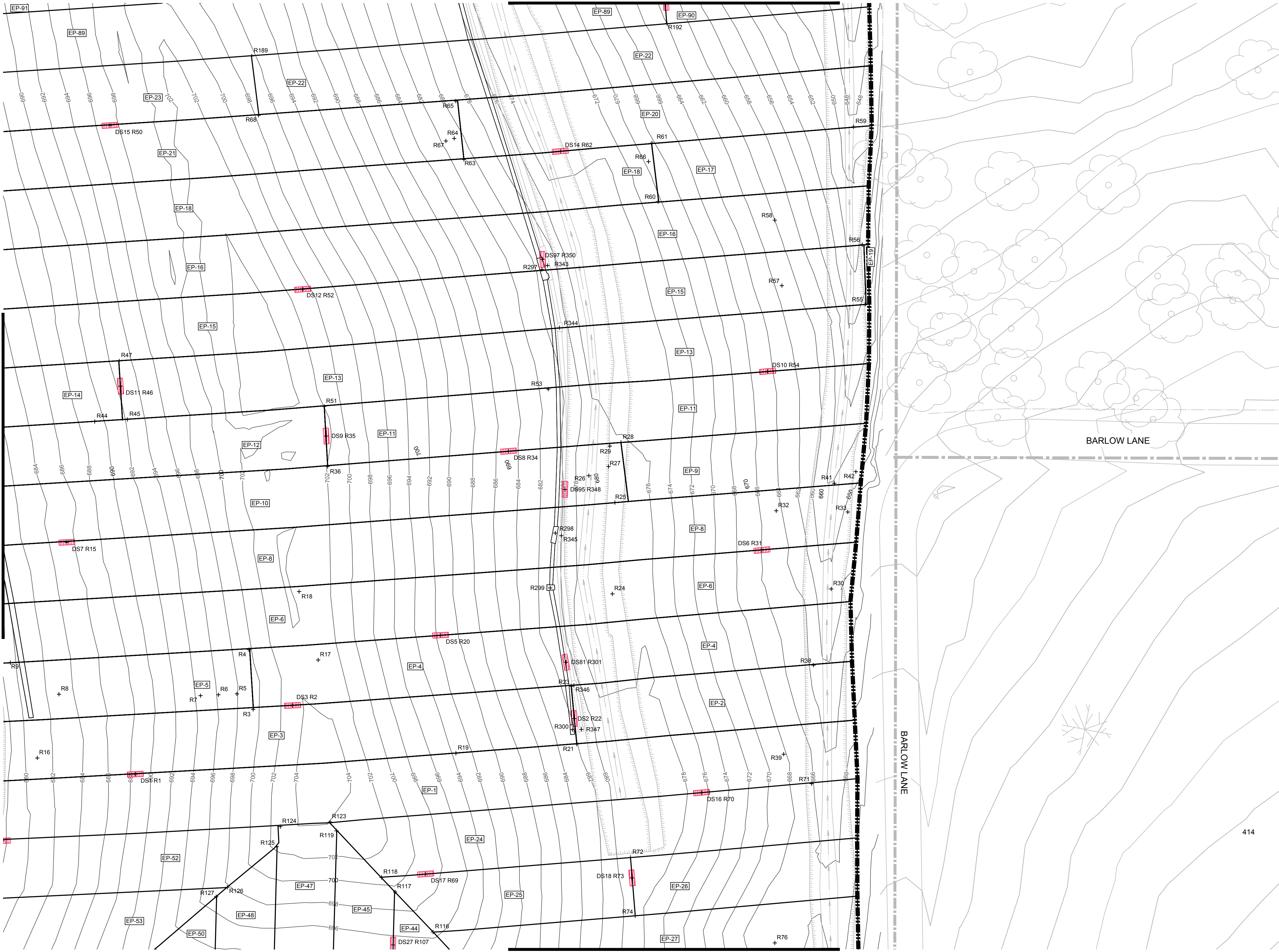
Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350 Drawing No: C-40

MATCHLINE - SEE DRAWING C-38



MATCHLINE - SEE DRAWING C-40



MATCHLINE - SEE DRAWING C-44

Nº	Revision	Date	Initial

LEGEND

	LINER PANEL LIMIT
	60 MIL TEXTURED LLDPE LINER PANEL DESTRUCTIVE / REPAIR SEAM TEST LOCATION
	60 MIL TEXTURED LLDPE LINER PANEL REPAIR LOCATION
	60 MIL TEXTURED LLDPE LINER PANEL IDENTIFICATION ID

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SCALE VERIFICATION
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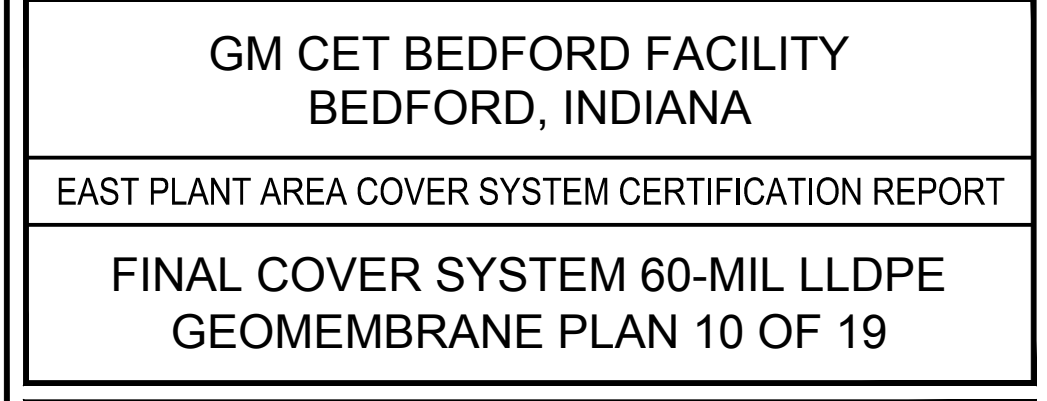
DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

**FINAL COVER SYSTEM 60-MIL LLDPE
 GEOMEMBRANE PLAN 10 OF 19**



Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project Nº: 13968-00	Report Nº: 350
		Drawing Nº: C-41

MATCHLINE - SEE DRAWING C-39



MATCHLINE - SEE DRAWING C-43

MATCHLINE - SEE DRAWING C-45

No	Revision	Date	Initial

LEGEND

	LINER PANEL LIMIT
	60 MIL TEXTURED LLDPE LINER PANEL DESTRUCTIVE / REPAIR SEAM TEST LOCATION
	60 MIL TEXTURED LLDPE LINER PANEL REPAIR LOCATION
	60 MIL TEXTURED LLDPE LINER PANEL IDENTIFICATION ID

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SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

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DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

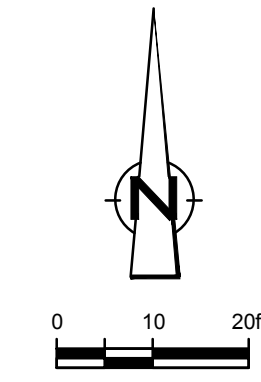
FINAL COVER SYSTEM 60-MIL LLDPE
 GEOMEMBRANE PLAN 11 OF 19

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-42

MATCHLINE - SEE DRAWINGS C-42 AND C-43



MATCHLINE - SEE DRAWING C-47

MATCHLINE - SEE DRAWING C-46

No	Revision	Date	Initial

LEGEND

	LINER PANEL LIMIT
	DS4 R20 60 MIL TEXTURED LLDPE LINER PANEL DESTRUCTIVE / REPAIR SEAM TEST LOCATION
	+ R48 60 MIL TEXTURED LLDPE LINER PANEL REPAIR LOCATION
	WP-16 60 MIL TEXTURED LLDPE LINER PANEL IDENTIFICATION ID

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SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

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DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

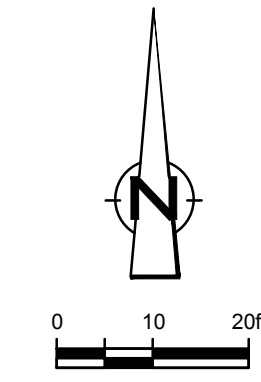
FINAL COVER SYSTEM 60-MIL LLDPE
 GEOMEMBRANE PLAN 14 OF 19

CONESTOGA-ROVERS & ASSOCIATES

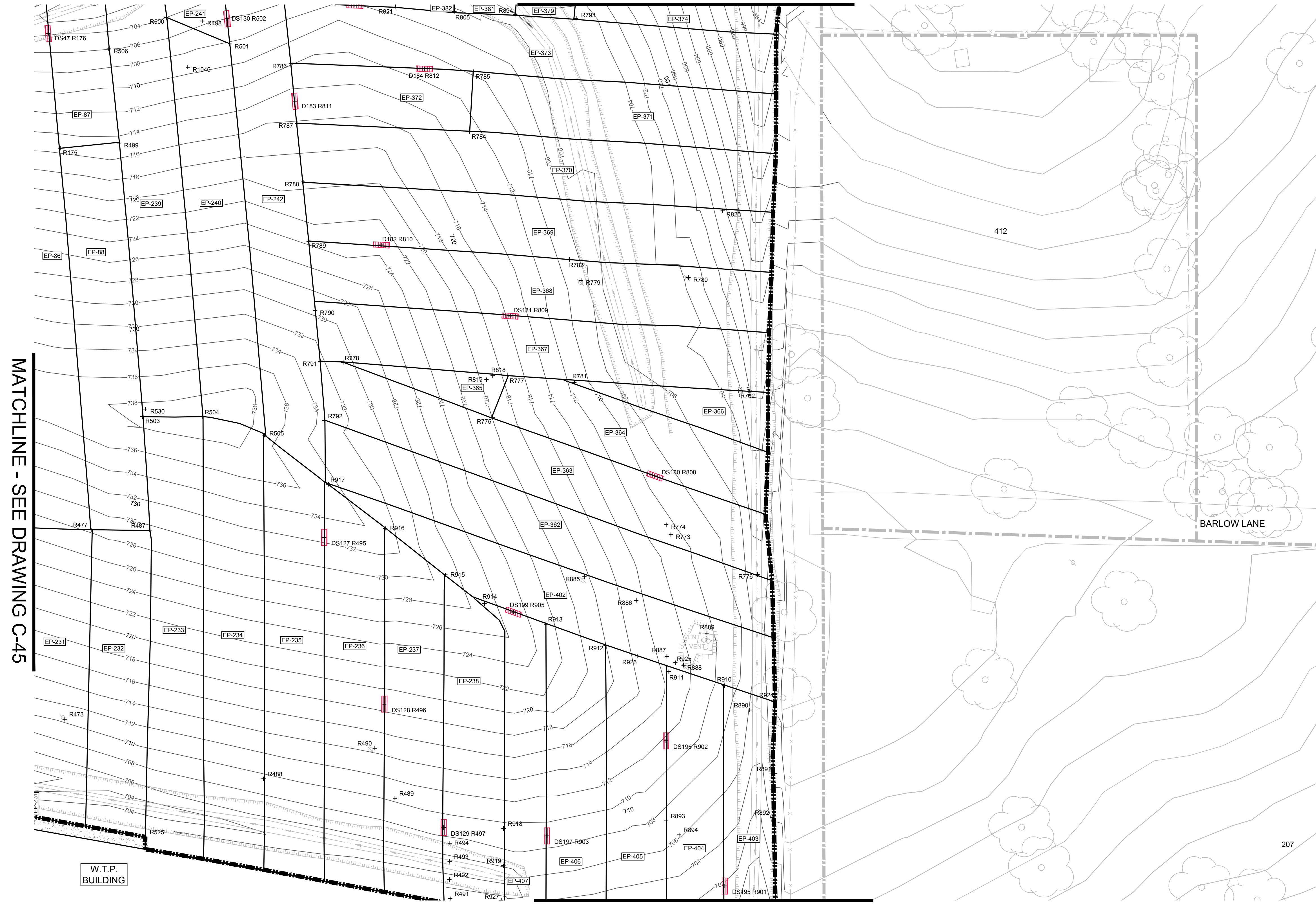
Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-45

13968-00(350)CI-WA017 MAR 2/2015



MATCHLINE - SEE DRAWINGS C-43 AND C-44



MATCHLINE - SEE DRAWING C-45

MATCHLINE - SEE DRAWINGS C-47 AND C-48

No	Revision	Date	Initial

LEGEND

	LINER PANEL LIMIT
	DS4 R20 60 MIL TEXTURED LLDPE LINER PANEL DESTRUCTIVE / REPAIR SEAM TEST LOCATION
	R48 60 MIL TEXTURED LLDPE LINER PANEL REPAIR LOCATION
	60 MIL TEXTURED LLDPE LINER PANEL IDENTIFICATION ID

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SCALE VERIFICATION
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Approved

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DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

**FINAL COVER SYSTEM 60-MIL LLDPE
 GEOMEMBRANE PLAN 15 OF 19**

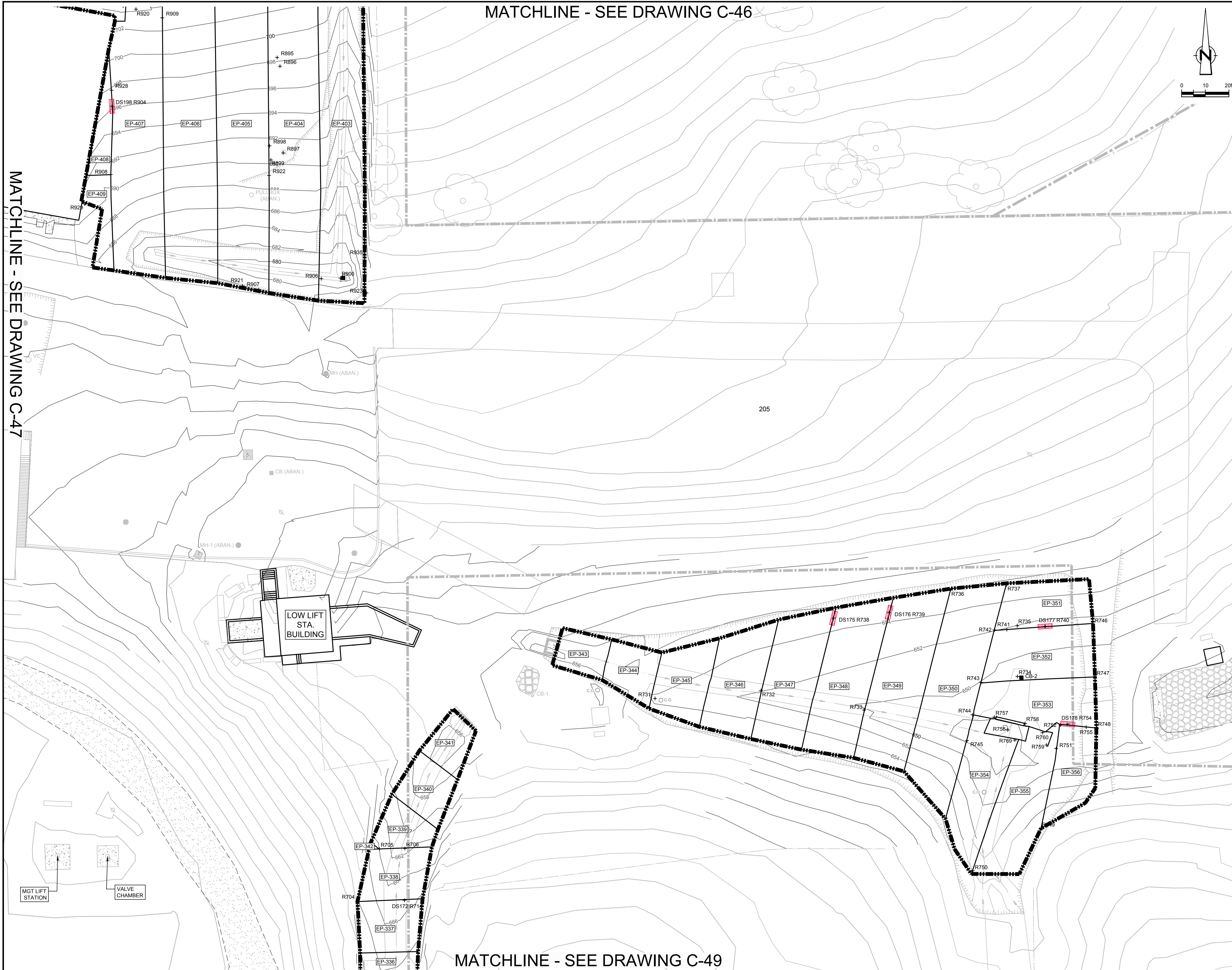
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-46

MATCHLINE - SEE DRAWING C-46

MATCHLINE - SEE DRAWING C-47



MATCHLINE - SEE DRAWING C-49

No.	Revision	Date	Initial

LEGEND

	LINER PANEL LIMIT
	DS4 R20 60 MIL TEXTURED LLDPE LINER PANEL DESTRUCTIVE / REPAIR SEAM TEST LOCATION
	R48 60 MIL TEXTURED LLDPE LINER PANEL REPAIR LOCATION
	WP-16 60 MIL TEXTURED LLDPE LINER PANEL IDENTIFICATION ID

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SCALE VERIFICATION
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Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

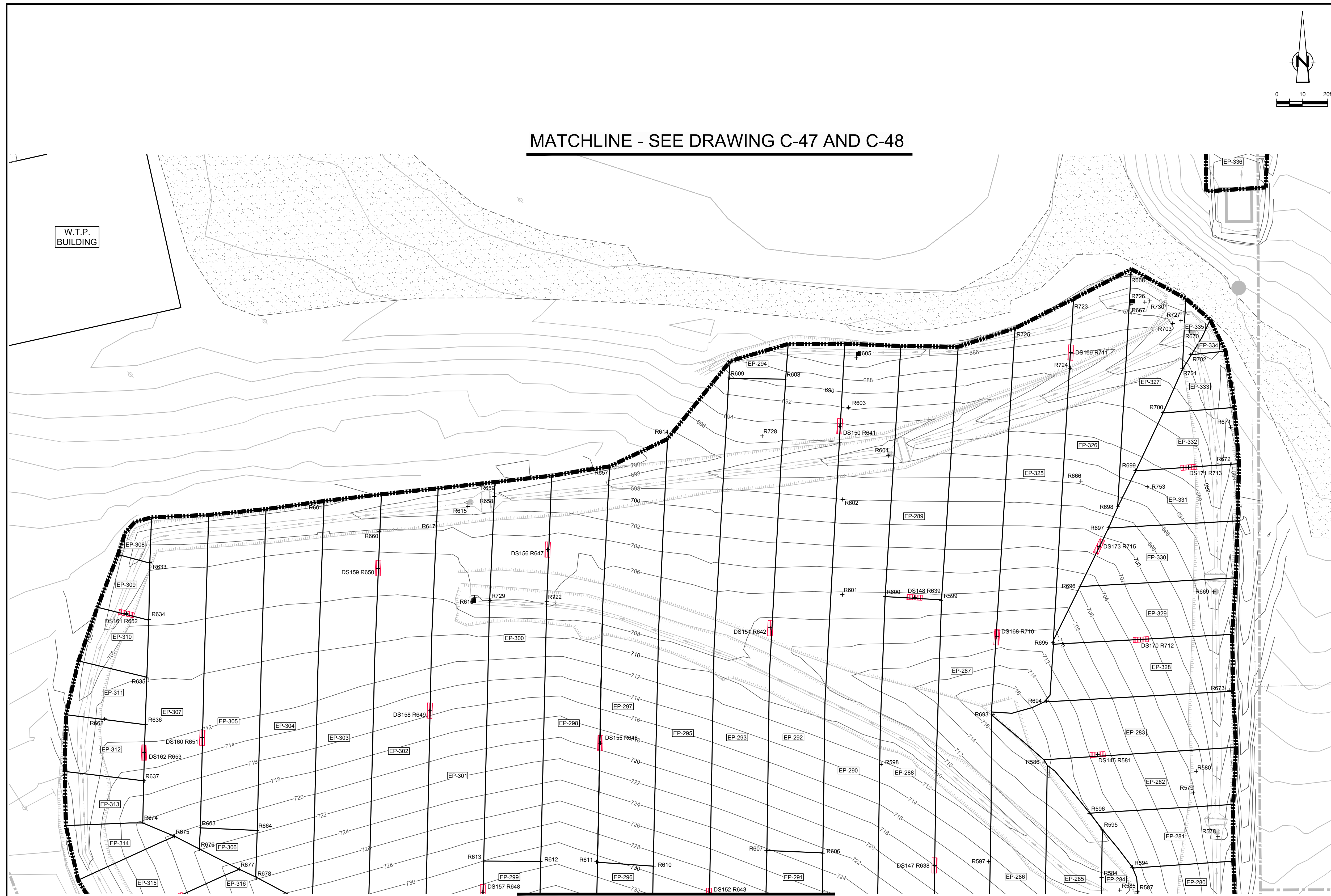
EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

FINAL COVER SYSTEM 60-MIL LLDPE
 GEOMEMBRANE PLAN 17 OF 19

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
	Drawing No: C-48	



MATCHLINE - SEE DRAWING C-47 AND C-48

MATCHLINE - SEE DRAWING C-50

No	Revision	Date	Initial

LEGEND

	LINER PANEL LIMIT
	60 MIL TEXTURED LLDPE LINER PANEL DESTRUCTIVE / REPAIR SEAM TEST LOCATION
	60 MIL TEXTURED LLDPE LINER PANEL REPAIR LOCATION
	60 MIL TEXTURED LLDPE LINER PANEL IDENTIFICATION ID

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DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

**FINAL COVER SYSTEM 60-MIL LLDPE
 GEOMEMBRANE PLAN 18 OF 19**

CRA CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-49

TABLE 1 - SEE DWG C-36

ID NUMBER	NORTHING	EASTING
DS309 R1467	1324754.842	3124261.110
DS310 R1468	1324704.978	3124271.861
DS312 R1470	1324628.928	3124296.528
DS315 R1473	1324633.043	3124307.041
DS319 R1565	1324627.643	3124461.741
DS321 R1567	1324648.688	3124522.925
DS322 R1568	1324638.593	3124600.670
DS323 R1569	1324700.854	3124615.436
DS324 R1570	1324768.081	3124631.071
DS325 R1571	1324747.042	3124660.911
DS326 R1572	1324711.346	3124607.038
DS327 R1573	1324745.381	3124581.979
R1526	1324822.489	3124249.192
R1527	1324824.071	3124251.634
R1528	1324805.128	3124265.263
R1529	1324789.128	3124279.184
R1530	1324772.209	3124294.113
R1531	1324796.925	3124277.509
R1532	1324761.677	3124306.805
R1533	1324736.163	3124314.082
R1534	1324728.580	3124317.572
R1535	1324706.187	3124327.909
R1536	1324678.785	3124338.719
R1537	1324657.703	3124343.303
R1538	1324652.100	3124347.629
R1539	1324626.791	3124350.262
R1541	1324755.555	3124381.485
R1542	1324767.272	3124388.499
R1543	1324762.788	3124398.999
R1544	1324760.128	3124405.714
R1545	1324757.251	3124412.513
R1546	1324754.457	3124418.938
R1547	1324748.476	3124431.598
R1548	1324749.476	3124431.598
R1549	1324776.306	3124380.028
R1550	1324763.014	3124400.757
R1551	1324722.735	3124521.491
R1552	1324742.026	3124521.491
R1553	1324742.586	3124530.145
R1554	1324765.816	3124532.893
R1555	1324720.502	3124539.395
R1556	1324746.026	3124637.821
R1557	1324740.830	3124637.821
R1558	1324651.287	3124694.351
R1559	1324662.023	3124509.977
R1560	1324682.512	3124559.614
R1561	1324693.707	3124567.689
R1562	1324640.538	3124578.704
R1567	1324752.481	3124628.660
R1657	1324627.740	3124664.428
R1658	1324653.617	3124662.919
R1659	1324643.628	3124652.995
R1660	1324628.919	3124652.995
R2001	1324663.150	3124300.684

TABLE 2 - SEE DWG C-36

ID NUMBER	NORTHING	EASTING
DS296 R1423	1324430.172	3124119.605
DS297 R1424	1324386.155	3124107.786
DS298 R1425	1324273.017	3124089.305
DS299 R1426	1324247.613	3124071.845
DS301 R1428	1324363.204	3124068.976
DS302 R1429	1324238.811	3124028.288
DS303 R1430	1324354.881	3124030.288
DS306 R1448	1324508.477	3124097.278
DS307 R1454	1324474.770	3124085.946
DS308 R1926	1324216.539	3123678.228
DS309 R1927	1324245.958	3123709.240
DS306 R1928	1324261.920	3123709.240
DS307 R1929	1324282.200	3123740.729
DS375 R1975	1324271.958	3123921.189
DS376 R1985	1324269.330	3123954.550
DS377 R1986	1324278.987	3123954.550
DS378 R1989	1324276.438	3123940.983
R1358	1324428.223	3124165.353
R1403	1324268.578	3124158.616
R1404	1324236.015	3124142.730
R1405	1324264.333	3124158.616
R1406	1324327.974	3124099.611
R1407	1324230.801	3124211.335
R1408	1324306.780	3124081.828
R1409	1324300.443	3124070.744
R1410	1324328.896	3124072.822
R1411	1324328.623	3124075.356
R1415	1324454.401	3123998.249
R1416	1324416.933	3123989.691
R1417	1324437.146	3123994.894
R1418	1324341.188	3124024.758
R1419	1324335.913	3123984.408
R1420	1324313.756	3123966.487
R1431	1324269.657	3123975.744
R1435	1324232.724	3123991.582
R1436	1324278.884	3124016.738
R1437	1324451.284	3124048.526
R1438	1324473.967	3124043.510
R1440	1324457.425	3124166.618
R1451	1324480.439	3124152.634
R1452	1324482.926	3124157.634
R1455	1324448.506	3124071.833
R1456	1324455.655	3124092.487
R1457	1324459.570	3124102.829
R1458	1324478.883	3124108.883
R1459	1324470.883	3124144.849
R1460	1324475.448	3124156.050
R1489	1324533.883	3124144.563
R1878	1324187.457	3123871.920
R1879	1324187.457	3123871.920
R1880	1324205.773	3123831.335
R1890	1324240.866	3123867.708
R1891	1324227.015	3123823.833
R1892	1324248.925	3123819.337
R1893	1324278.884	3123829.386
R1894	1324270.020	3123863.425
R1895	1324291.783	3123828.857
R1896	1324286.348	3123814.724
R1897	1324313.307	3123826.705
R1898	1324320.267	3123839.386
R1899	1324334.537	3123824.154
R1900	1324256.894	3123855.873
R1901	1324261.639	3123877.765
R1902	1324323.864	3123852.510
R1903	1324281.621	3123829.386
R1908	1324244.584	3123826.456
R1909	1324225.444	3123729.960
R1910	1324247.322	3123733.041
R1911	1324269.544	3123719.919
R1912	1324231.828	3123739.838
R1913	1324323.964	3123735.223
R1914	1324342.957	3123733.118
R1934	1324276.207	3123876.076
R1935	1324278.884	3123876.076
R1939	1324231.275	3123924.508
R1940	1324317.845	3123892.508
R1957	1324315.877	3123915.403
R1958	1324283.448	3123924.336

TABLE 3 - SEE DWG C-37

ID NUMBER	NORTHING	EASTING
R1959	1324360.739	3123961.055
R1960	1324345.473	3123954.277
R1961	1324345.097	3123976.678
R1962	1324337.041	3123959.239
R1976	1324284.584	3123950.570
R1986	1324297.173	3123957.649
R1987	1324337.424	3123974.485
R1988	1324316.271	3123966.042
R1989	1324345.097	3123959.239
R1992	1324210.099	3123926.811
R1993	1324268.699	3123941.420
R1994	1324355.118	3123979.698
R1995	1324359.130	3123980.819
R1996	1324370.874	3123978.516

TABLE 3 - SEE DWG C-37

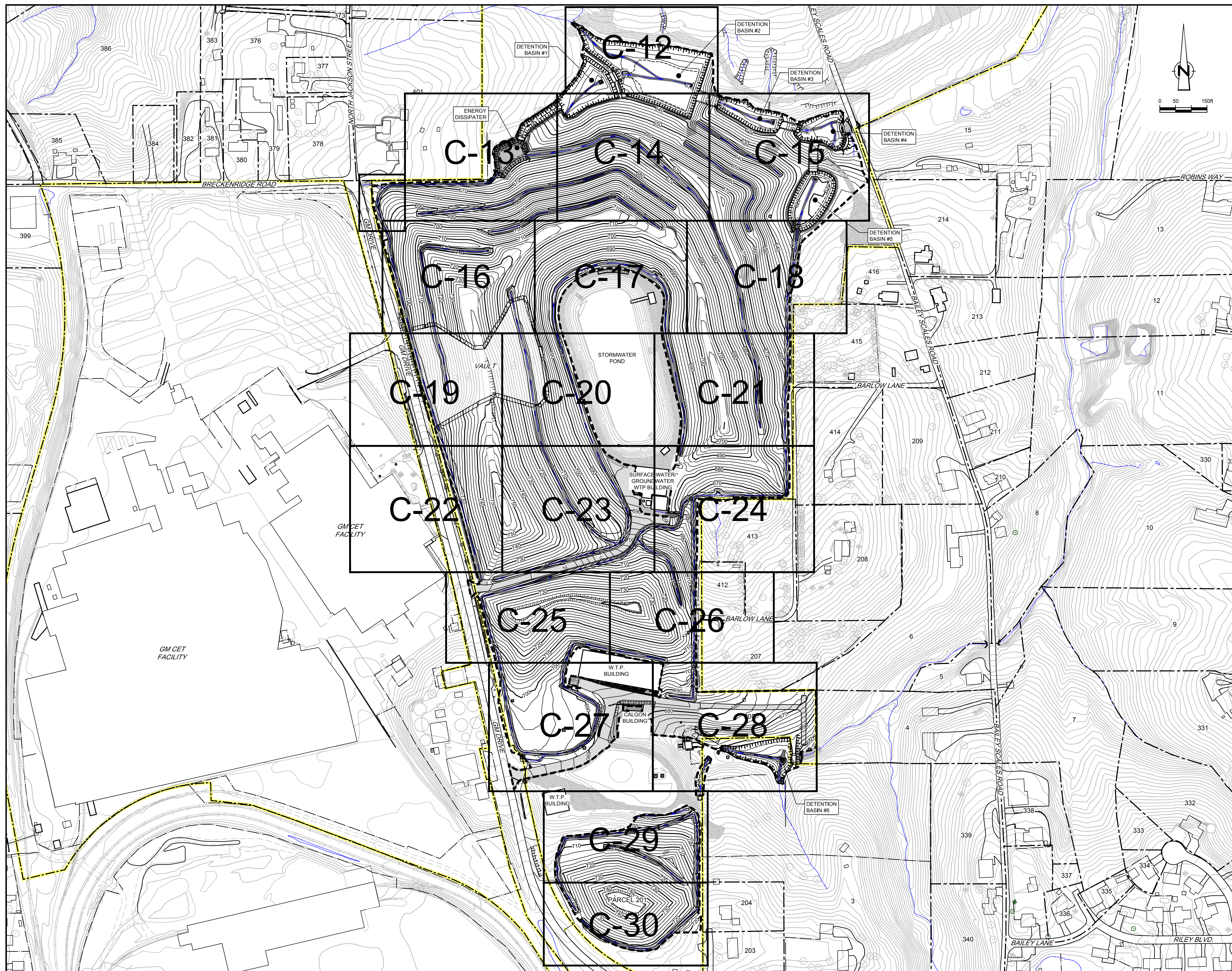
ID NUMBER	NORTHING	EASTING
DS259 R1196	1324272.861	3124566.307
DS260 R1204	1324373.512	3124553.784
DS261 R1205	1324367.979	3124651.952
DS262 R1206	1324326.647	3124483.978
DS263 R1197	1324303.263	3124532.513
DS265 R1220	1324453.584	3124637.994
DS266 R1239	1324261.269	3124456.246
DS267 R1240	1324346.087	3124483.946
DS268 R1237	1324288.136	3124420.115
DS269 R1236	1324312.742	3124409.613
DS270 R1282	1324335.415	3124370.544
DS271 R1281	1324405.924	3124399.299
DS272 R1280	1324445.166	3124388.544
DS273 R1284	1324395.254	3124577.827
DS274 R1285	1324431.242	3124572.890
DS275 R1286	1324485.279	3124527.440
DS276 R1287	1324470.588	3124492.230
DS277 R1278	1324521.761	3124497.255
DS278 R1279	1324579.691	3124370.481
DS279 R1283	1324386.645	3124552.125
DS282 R1340	1324326.543	3124349.116
DS283 R1341	1324406.627	3124313.577
DS284 R1342	1324342.399	3124325.316
DS285 R1343	1324417.659	3124285.110
DS286 R1344	1324396.433	3124289.348
DS287 R1345	1324369.585	3124250.481
DS288 R1346	1324328.520	3124289.348
DS289 R1347	1324305.550	3124218.914
DS290 R1348	1324282.784	3124201.036
DS291 R1389	1324234.040	3124334.530
DS292 R1390	1324222.861	3124301.937
DS293 R1403	1324304.041	3124253.633
DS311 R1469	1324261.110	3124253.633
DS313 R1471	1324586.534	3124318.892
DS314 R1472	1324547.212	3124215.967
DS320 R1566	1324611.011	3124544.046
DS328 R1568	1324633.952	3124464.622
DS340 R1645	1324544.159	3124657.748
R1190	1324285.122	3124614.645
R1198	1324282.300	3124541.987
R1199	1324262.730	3124517.027
R1200	1324262.730	3124517.027
R1202	1324274.717	3124497.007
R1203	1324309.830	3124540.574
R1205	1324363.204	3124575.530
R1206	1324360.024	3124563.523
R1207	1324354.881	3124563.523
R1208	1324343.729	3124599.360
R1209	1324334.525	3124607.952
R1210	1324326.212	3124615.009
R1211	1324305.914	3124529.676
R1212	1324299.044	3124634.379
R1214	1324285.195	3124642.893
R1215	1324279.619	3124645.644
R1216	1324276.438	3124630.983
R1218	1324225.828	3124621.962
R1219	1324428.628	3124617.886
R1220	1324329.072	3124601.223
R1223	1324295.975	3124433.792
R1224	1324264.333	3124418.634
R1226	1324261.920	3124418.634
R1233	1324363.412	3124612.882
R1234	1324427.278	3124637.850
R1235	1324265.825	3124378.815
R1236	1324296.397	3124352.957
R1240	1324328.896	3124072.822
R1241	1324360.618	3124380.014
R1242	1324464.683	3124373.883
R1243	1324490.596	3124364.537
R1244	1324439.567	3124366.616
R1245	1324405.718	3124374.758
R1246	1324499.128	3124638.523
R1247	1324438.448	3124636.487
R1248	1324374.202	3124565.149
R1249	1324466.773	3124577.963
R1250	1324451.284	3124577.963
R1251	1324444.366	3124580.980
R1252	1324438.753	3124503.263
R1253	1324533.691	3124617.152
R1254	1324524.876	3124628.734
R1255	1324527.884	3124574.738
R1256	1324545.791	3124373.679
R1257	1324556.993	3124354.408
R1258	1324380.859	3124557.927
R1259	1324389.638	3124548.487
R1260	1324385.125	3124541.660
R1261	1324403.901	3124530.935
R1262	1324409.287	3124523.928
R1263	1324417.036	3124512.892
R1264	1324425.958	3124505.130
R1265	1324421.956	3124505.130
R1266	1324424.999	3124496.939
R1267	1324430.507	3124494.428
R1268	1324435.805	3124487.428
R1269	1324439.567	3124487.428
R1270	1324428.914	3124469.908
R1271	1324458.125	3124458.383
R1272	1324462.691	3124451.839
R1274	1324476.238	3124434.072
R1275	1324485.920	3124429.889
R1276	1324490.521	3124420.063
R1277	1324498.261	3124420.063
R1278	1324428.628	3124342.520
R1279	1324427.761	3124342.520
R1280	1324427.761	312434

TABLE 10 - SEE DWG C-44		
ID NUMBER	NORTHING	EASTING
DS1 R1	1323572.906	3124630.867
DS2 R22	1323593.916	3124756.561
DS3 R2	1323598.876	3124690.209
DS4 R5	1323540.000	3124748.130
DS6 R31	1323657.540	3124867.470
DS7 R15	1323660.490	3124605.000
DS8 R34	1323694.905	3124771.810
DS9 R35	1323700.825	3124712.950
DS10 R54	1323750.080	3124689.590
DS11 R46	1323719.483	3124625.265
DS12 R52	1323756.054	3124694.011
DS14 R62	1323808.220	3124791.330
DS15 R50	1323817.970	3124621.310
DS16 R76	1323844.884	3124854.987
DS17 R69	1323855.215	3124740.592
DS18 R73	1323853.745	3124818.305
DS27 R107	1323508.425	3124728.151
R301 R301	1323615.176	3124993.472
DS95 R348	1323680.459	3123993.106
DS97 R350	1323767.370	3124784.650
R3	1323597.390	3124675.360
R4	1323619.910	3124673.810
R5	1323603.241	3124689.244
R6	1323602.900	3124685.240
R7	1323602.570	3124655.510
R8	1323603.110	3124602.050
R9	1323615.050	3124583.710
R16	1323579.590	3124699.890
R17	1323616.050	3124699.890
R18	1323641.880	3124692.700
R19	1323580.800	3124751.900
R21	1323584.260	3124797.530
R23	1323606.158	3124795.915
R24	1323641.000	3124810.990
R25	1323675.520	3124811.920
R26	1323685.660	3124802.990
R27	1323689.110	3124809.530
R28	1323689.145	3124811.215
R29	1323696.810	3124810.040
R30	1323642.870	3124893.620
R32	1323672.398	3124872.867
R33	1323671.538	3124899.957
R36	1323689.145	3124703.452
R38	1323614.096	3124886.895
R39	1323580.467	3124875.673
R41	1323682.767	3124894.808
R42	1323687.165	3124902.923
R44	1323706.120	3124615.850
R45	1323702.873	3124627.905
R47	1323728.970	3124624.800
R48	1323711.801	3124702.205
R50	1323730.330	3124786.790
R55	1323750.374	3124905.346
R56	1323732.950	3124905.346
R57	1323757.436	3124874.981
R58	1323782.161	3124872.308
R59	1323817.450	3124902.950
R60	1323789.154	3124826.230
R61	1323811.295	3124825.946
R63	1323805.088	3124754.916
R64	1323813.056	3124751.270
R65	1323827.520	3124751.850
R66	1323804.285	3124824.621
R67	1323812.069	3124748.132
R68	1323821.784	3124677.415
R71	1323699.305	3124886.215
R72	1323813.520	3124783.820
R74	1323519.498	3124816.334
R76	1323509.199	3124872.344
R116	1323513.281	3124743.288
R117	1323528.467	3124728.974
R18	1323533.520	3124733.620
R119	1323551.510	3124706.810
R123	1323564.870	3124740.400
R124	1323553.115	3124685.628
R125	1323545.528	3124684.258
R126	1323530.190	3124665.068
R127	1323526.640	3124661.410
R189	1323844.130	3124674.850
R192	1323856.449	3124831.617
R297	1323763.501	3124794.408
R298	1323763.980	3124790.470
R299	1323643.240	3124787.500
R300	1323589.760	3124795.840
R343	1323765.060	3124786.530
R344	1323741.547	3124791.057
R345	1323682.987	3124791.122
R346	1323606.490	3124799.465
R347	1323589.865	3124796.259

TABLE 11 - SEE DWG C-45		
ID NUMBER	NORTHING	EASTING
DS84 R253	1323373.980	3124091.430
DS65 R254	1323269.645	3123963.902
DS66 R255	1323215.057	3123927.870
DS68 R257	1323285.876	3123935.935
DS70 R259	1323250.426	3123937.327
DS72 R270	1323221.620	3124005.680
DS75 R273	1323243.508	3124040.196
DS76 R274	1323151.488	3124004.305
DS77 R275	1323199.910	3124085.380
DS82 R322	1323339.950	3123969.750
DS83 R323	1323385.014	3123877.408
DS84 R317	1323378.880	3124033.350
DS85 R318	1323376.522	3123930.744
DS87 R321	1323465.725	3123967.960
DS88 R320	1323497.998	3124048.830
DS89 R325	1323448.973	3123946.625
DS90 R326	1323471.140	3124033.870
R245	1323323.570	3123995.780
R246	1323301.946	3124001.513
R247	1323213.559	3123887.327
R262	1323260.830	3124022.170
R267	1323240.344	3124028.014
R278	1323235.255	3124012.087
R279	1323229.560	3124009.610
R280	1323218.811	3124002.830
R281	1323197.480	3123993.970
R282	1323183.446	3123987.067
R283	1323164.974	3123978.353
R284	1323157.796	3123974.808
R285	1323152.057	3123972.860
R294	1323246.649	3124051.724
R302	1323329.426	3123852.967
R303	1323385.770	3123981.080
R304	1323387.420	3123976.330
R305	1323376.825	3123971.520
R306	1323378.670	3123989.680
R307	1323382.146	3123989.394
R309	1323379.626	3123987.954
R311	1323437.346	3124081.954
R312	1323455.177	3123970.470
R313	1323456.695	3123973.759
R314	1323476.483	3123986.117
R315	1323485.980	3123985.540
R316	1323476.840	3123985.220
R324	1323409.720	3123827.290
R327	1323380.087	3123882.174
R329	1323474.395	3123808.890

TABLE 12 - SEE DWG C-46		
ID NUMBER	NORTHING	EASTING
R330	1323459.270	3123812.410
R331	1323476.210	3123815.830
DS12 R272	1323280.157	3124187.230
DS16 R276	1323175.734	3124181.936
DS19 R277	1323254.451	3124080.612
DS86 R319	1323423.420	3124116.490
DS187 R815	1323202.860	3124496.990
DS191 R864	1323148.878	3124454.987
DS206 R967	1323455.380	3124162.480
DS207 R968	1323497.114	3124245.131
DS208 R969	1323405.070	3124242.910
DS209 R970	1323393.672	3124291.252
DS210 R971	1323355.746	3124227.810
DS211 R972	1323331.928	3124222.426
DS212 R973	1323283.970	3124311.350
DS213 R974	1323265.980	3124331.110
DS214 R975	1323250.104	3124348.257
DS215 R976	1323195.530	3124301.057
DS216 R977	1323211.910	3124355.851
DS217 R978	1323218.810	3124358.430
DS218 R979	1323267.170	3124179.690
R177	1323153.942	3124340.349
R247	1323331.340	3124116.630
R248	1323314.509	3124140.101
R249	1323320.210	3124140.710
R250	1323327.546	3124133.960
R251	1323325.720	3124127.140
R265	1323202.860	3124198.520
R266	1323198.508	3124198.520
R289	1323298.137	3124113.880
R290	1323234.090	3124124.070
R291	1323218.096	3124172.280
R292	1323225.480	3124148.820
R293	1323214.066	3124108.768
R294	1323155.070	3124530.170
R295	1323165.916	3124538.556
R296	1323187.734	3124540.214
R297	1323209.510	3124542.080
R298	1323215.968	3124542.217
R299	1323231.343	3124543.510
R300	1323231.190	3124521.500
R302	1323219.971	3124520.662
R303	1323158.770	3124515.460
R304	1323162.056	3124493.207
R307	1323253.883	3124537.410
R322	1323149.260	3124447.640
R323	1323149.535	3124429.154
R324	1323169.903	3124426.877
R325	1323183.430	3124426.220
R326	1323210.322	3124421.728
R327	1323219.634	3124421.007
R328	1323178.842	3124450.114
R329	1323168.738	3124451.087
R330	1323175.978	3124471.988
R331	1323186.880	3124472.940
R332	1323230.730	3124477.560
R333	1323254.500	3124477.680
R335	1323259.310	3124514.000
R336	1323255.234	3124524.539
R337	1323276.650	3124531.240
R338	1323277.335	3124538.525
R339	1323286.880	3124543.140
R340	1323326.431	3124545.140
R344	1323340.840	3124529.350
R345	1323310.069	3124522.521
R381	1323259.390	3124480.210
R382	1323241.710	3124483.080
R383	1323241.607	3124129.710
R387	1323499.517	3124116.597
R388	1323486.452	3124122.824
R391	1323502.290	3124266.940
R392	1323496.990	3124266.940
R393	1323489.117	3124211.271
R394	1323467.790	3124216.990
R395	1323398.260	3124309.940
R396	1323380.822	3124327.855
R397	1323385.880	3124333.785
R398	1323387.397	3124360.141
R399	1323387.570	3124266.466
R1000	1323386.545	3124262.255
R1001	1323365.080	3124267.540
R1002	1323376.290	3124285.370
R1003	1323275.720	3124277.520
R1004	1323253.567	3124282.267
R1005	1323256.520	3124376.080
R1006	1323234.037	3124277.127
R1007	1323235.840	3124265.840
R1008	1323211.952	3124192.458
R1009	1323198.155	3124222.393
R1010	1323208.758	3124286.492
R1011	1323190.977	3124140.147
R1015	1323240.745	3124150.116
R1016	1323409.927	3124159.637
R1017	1323389.254	3124168.687
R1018	1323348.190	3124190.770
R1019	1323328.280	3124200.970
R1020	1323309.100	3124216.074
R1021	1323290.871	3124229.515
R1022	1323270.104	3124247.404
R1023	1323251.161	3124264.300
R1024	1323251.147	3124271.127
R1025	1323281.430	3124392.950
R1026	1323238.230	3124392.580
R1027	1323232.605	3124372.624
R1028	1323227.932	3124350.841
R1029	1323211.910	3124343.147
R1030	1323203.256	3124333.547
R1031	1323192.397	3124334.240
R1032	1323197.940	3124312.690
R1033	1323192.710	3124290.900
R1034	1323180.811	3124280.124
R1035	1323170.867	3124251.263
R1036	1323162.367	3124248.336
R1037	1323177.409	3124227.102
R1038	1323171.296	3124228.444
R1039	1323162.057	3124202.002
R1040	1323248.649	3124341.724
R1041	1323408.119	3124351.788
R1042	1323252.778	3124208.710
R1043	1323366.760	3124343.154
R1044	1323261.615	3124307.067
R1045	1323191.880	3124268.760
R1099	1323426.120	3124341.930
R1100	1323203.774	3124413.028

TABLE 13 - SEE DWG C-47		
ID NUMBER	NORTHING	EASTING
DS19 R80	1323476.570	3124846.130



No.	Revision	Date	Initial

LEGEND

	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER LIMIT
	FINAL CONTOUR

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

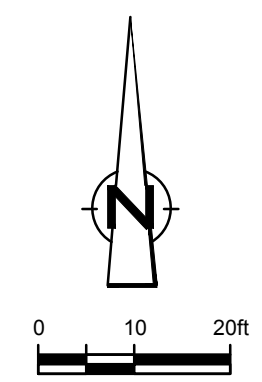
**FINAL CONTOUR
 OVERALL PLAN**

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 150'	Project No: 13968-00	Report No: 350
		Drawing No: C-53

13968-00(350)CI-WA021 MAR 2/2015



Nº	Revision	Date	Initial

LEGEND

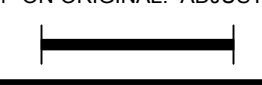
- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- FINAL GRADE CONTOUR
- 73370
+ 676.93
 POINT NUMBER
AS-BUILT FINAL SPOT ELEVATION (ft)

RECORD DRAWINGS

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.



Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
BEDFORD, INDIANA**

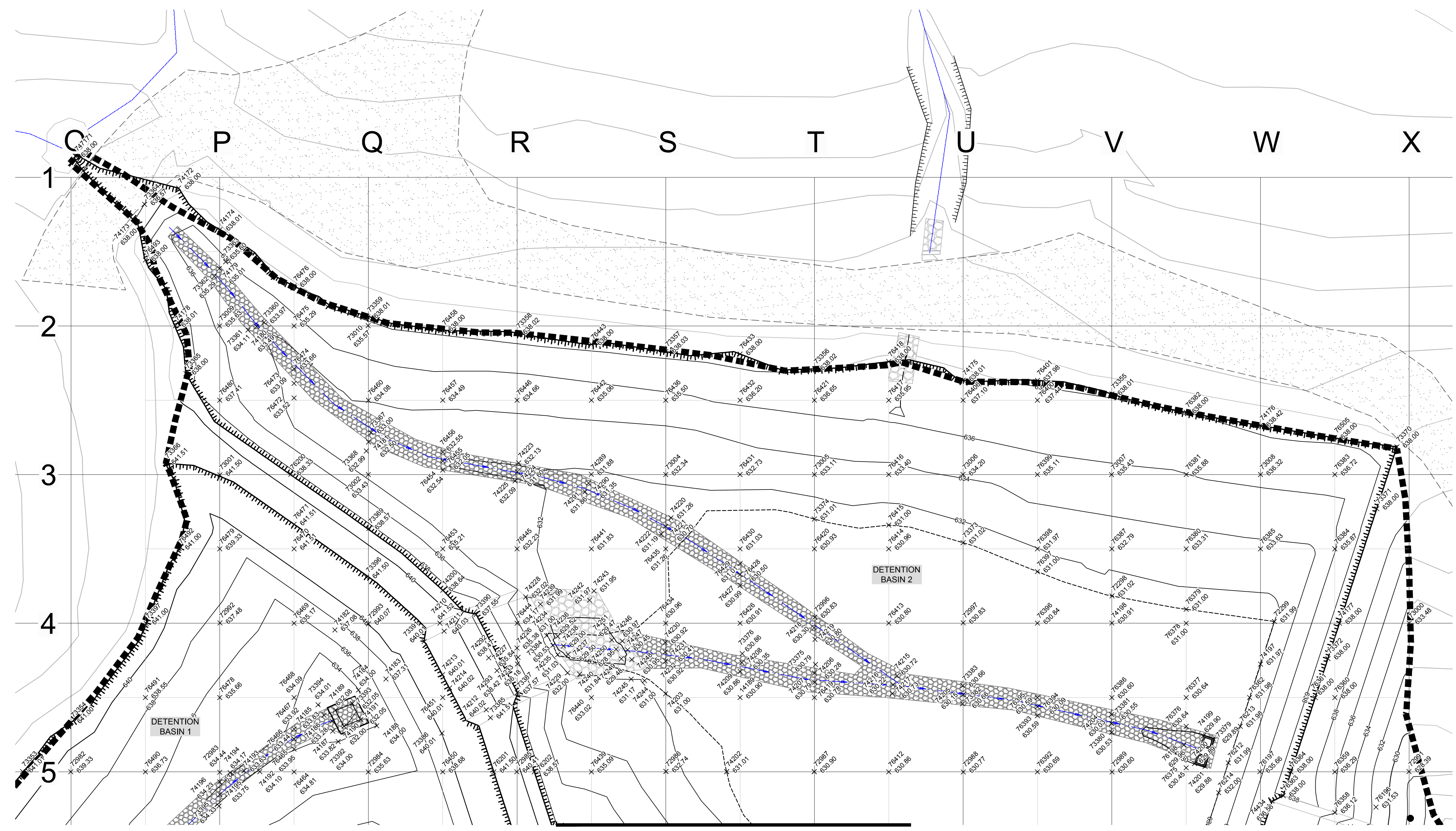
EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

**FINAL GRADE
PLAN 1 OF 19**

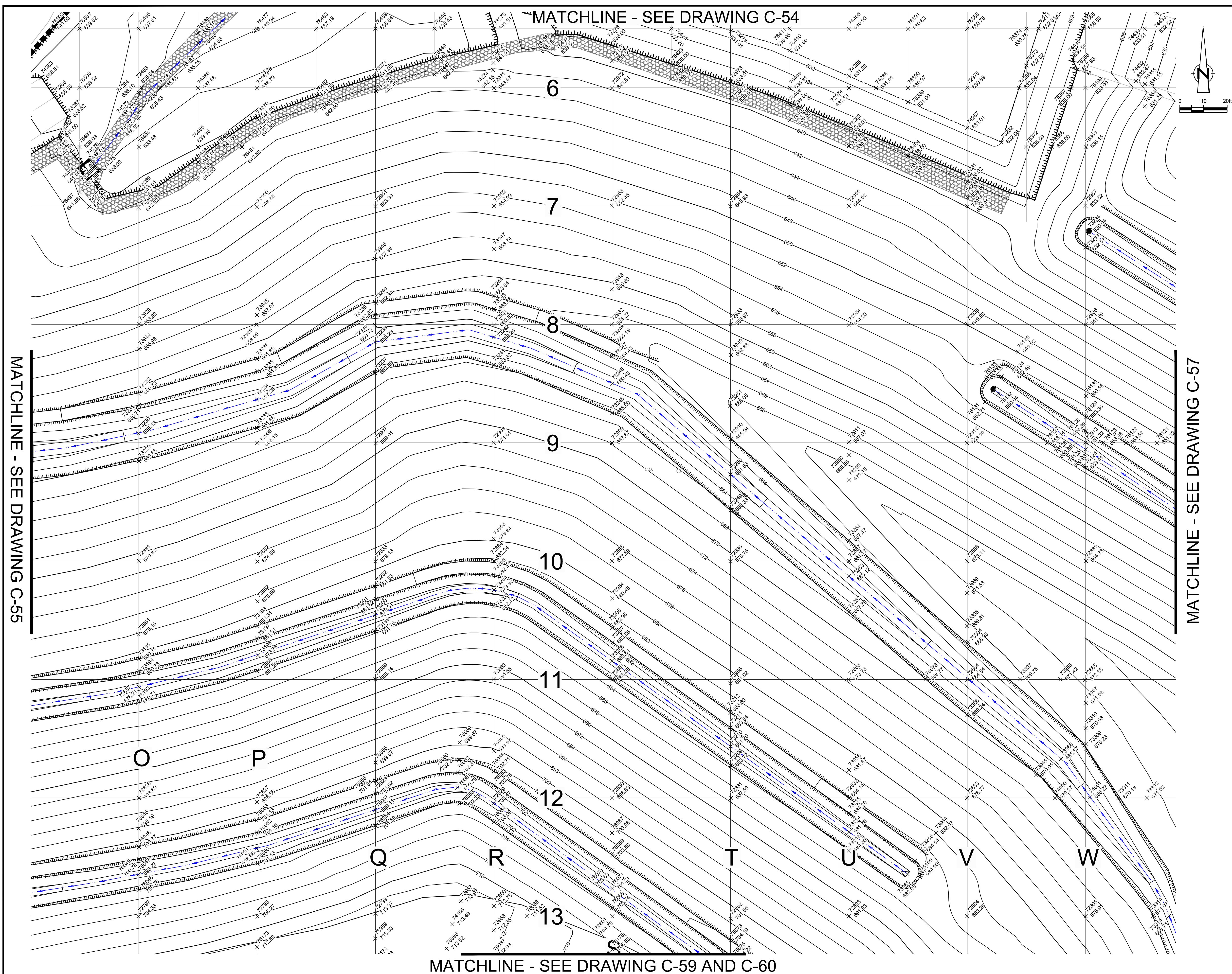


Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project Nº: 13968-00	Report Nº: 350
		Drawing Nº: C-54



MATCHLINE - SEE DRAWING C-56



MATCHLINE - SEE DRAWING C-55

MATCHLINE - SEE DRAWING C-57

NO	Revision	Date	Initial

LEGEND

- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- FINAL GRADE CONTOUR
- POINT NUMBER
+ 676.93
AS-BUILT FINAL SPOT ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

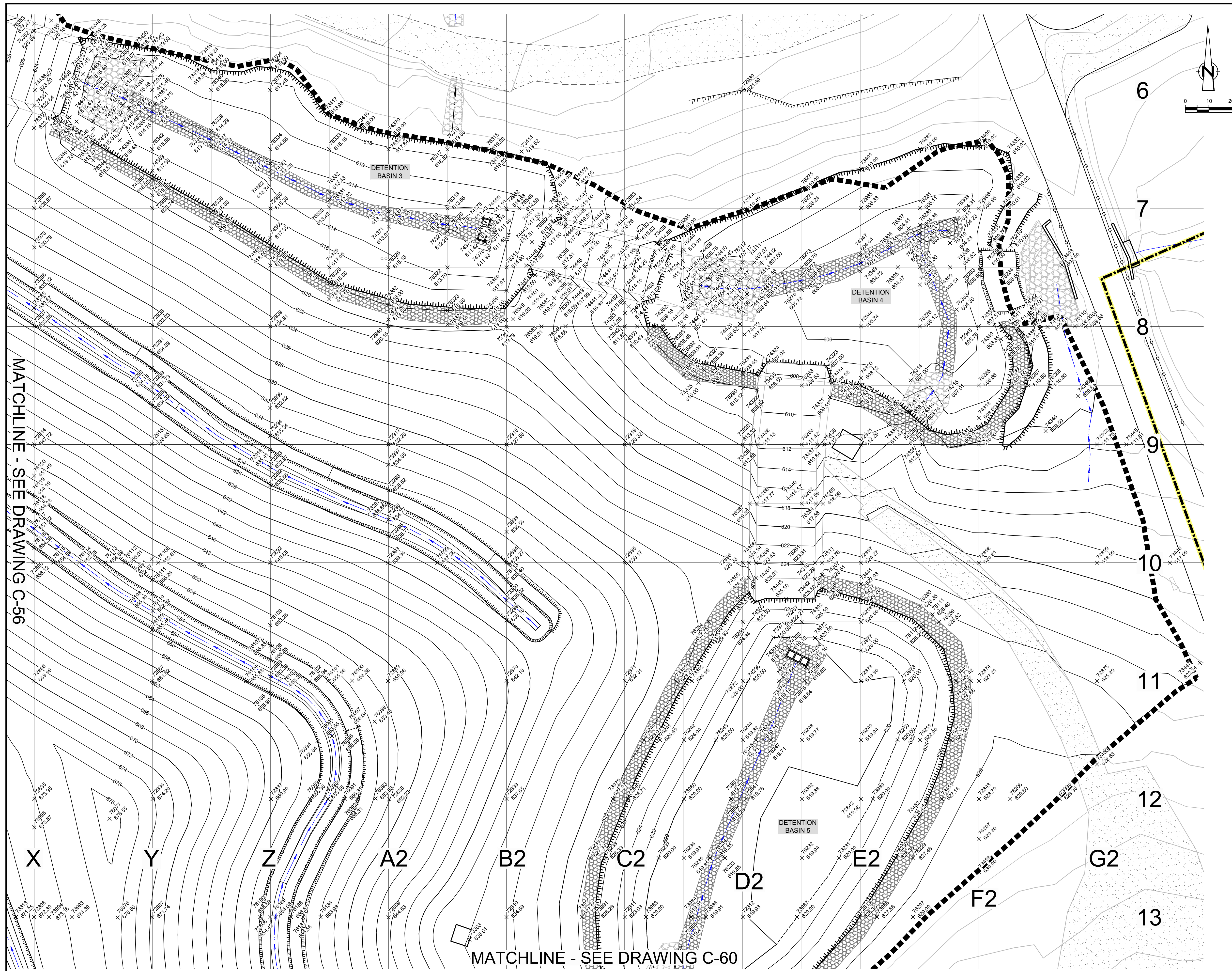
**FINAL GRADE
 PLAN 3 OF 19**

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
	Drawing No: C-56	

13968-00(350)CI-WA014 MAR 2/2015



NO	Revision	Date	Initial

LEGEND

- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- FINAL GRADE CONTOUR
- POINT NUMBER
- AS-BUILT FINAL SPOT ELEVATION (ft)

RECORD DRAWINGS
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SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

**FINAL GRADE
 PLAN 4 OF 19**

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-57

13968-00(350)CI-WA014 MAR 2/2015

MATCHLINE - SEE DRAWING C-55



MATCHLINE - SEE DRAWING C-61 AND C-62

MATCHLINE - SEE DRAWING C-59

NO	Revision	Date	Initial

LEGEND

- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- FINAL GRADE CONTOUR
- POINT NUMBER
- AS-BUILT FINAL SPOT ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

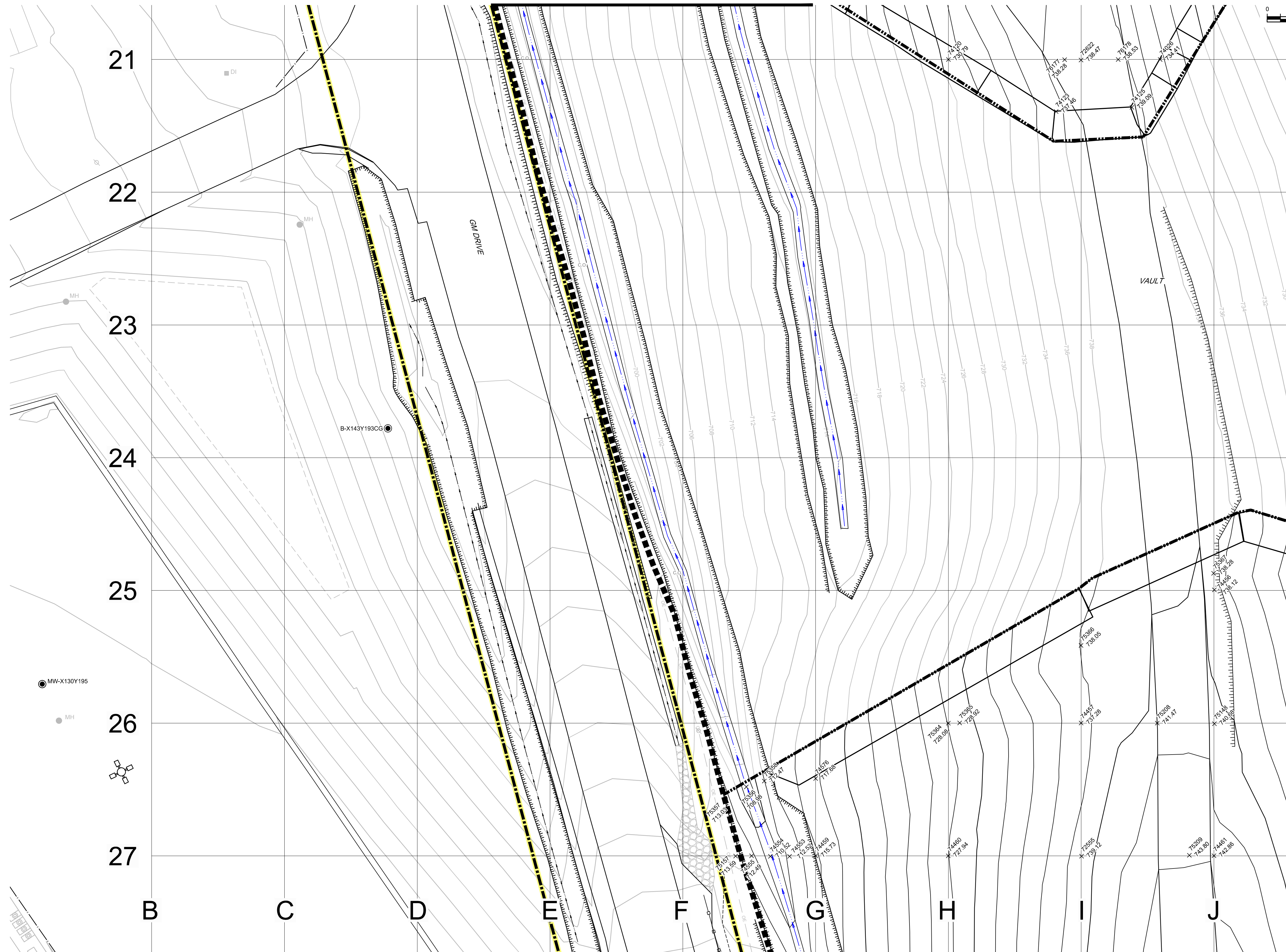
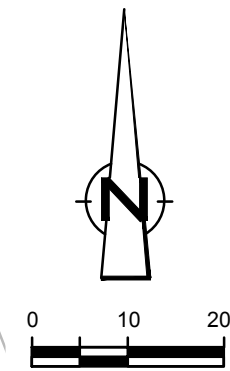
**FINAL GRADE
 PLAN 5 OF 19**



Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-58

MATCHLINE - SEE DRAWING C-58



MATCHLINE - SEE DRAWING C-64

MATCHLINE - SEE DRAWING C-62

NO	Revision	Date	Initial

LEGEND

	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER SYSTEM LIMIT
	FINAL GRADE CONTOUR
73370	POINT NUMBER
+ 676.93	AS-BUILT FINAL SPOT ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

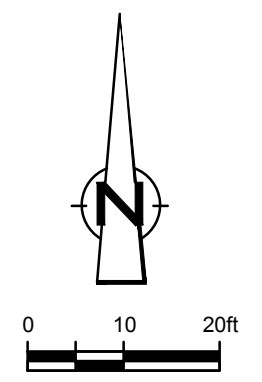
FINAL GRADE
 PLAN 8 OF 19

CONESTOGA-ROVERS & ASSOCIATES

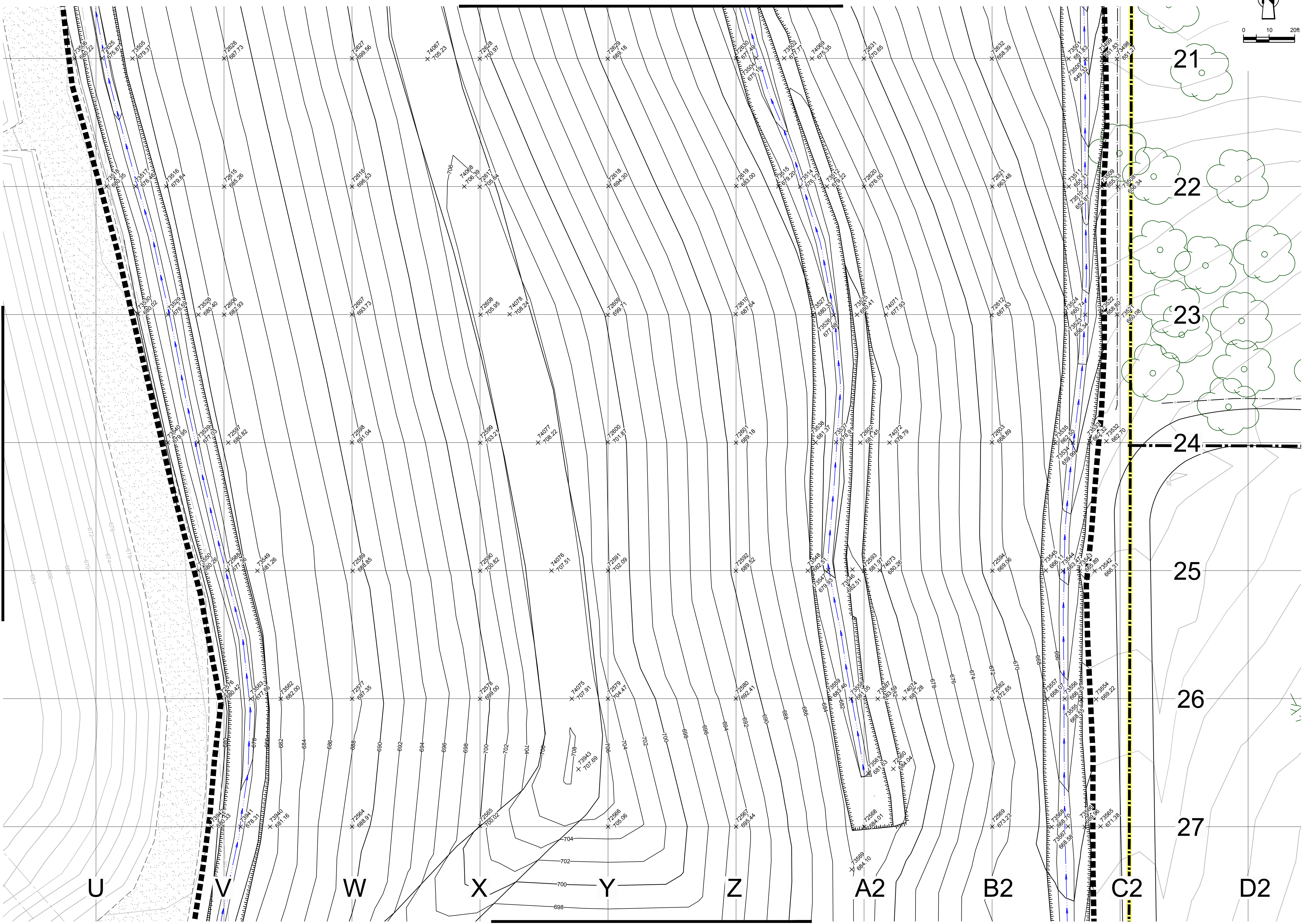
Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 350
		Drawing N°: C-61

MATCHLINE - SEE DRAWING C-59 AND C-60



MATCHLINE - SEE DRAWING C-62

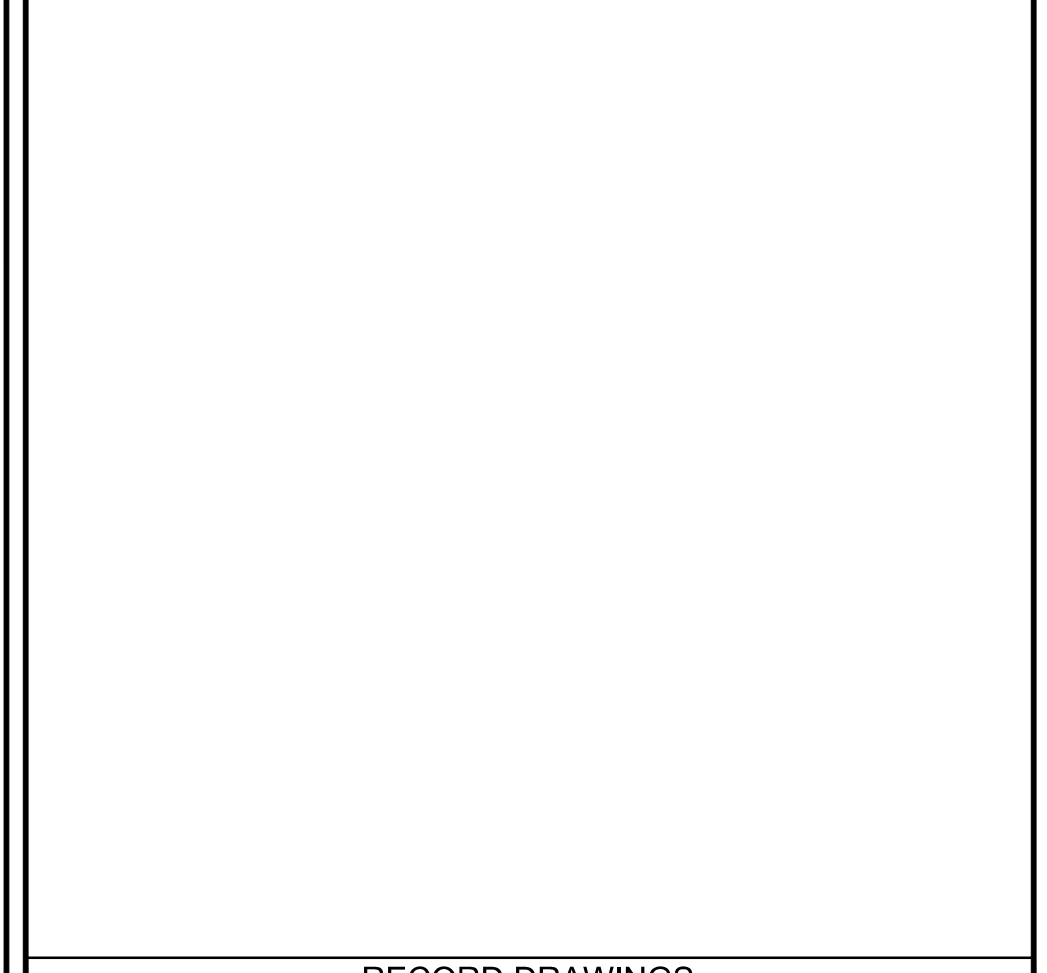


MATCHLINE - SEE DRAWING C-66

NQ	Revision	Date	Initial

LEGEND

	APPROXIMATE GM PROPERTY BOUNDARY
	EAST PLANT COVER SYSTEM LIMIT
	FINAL GRADE CONTOUR
73370	POINT NUMBER
+ 676.93	AS-BUILT FINAL SPOT ELEVATION (ft)



RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

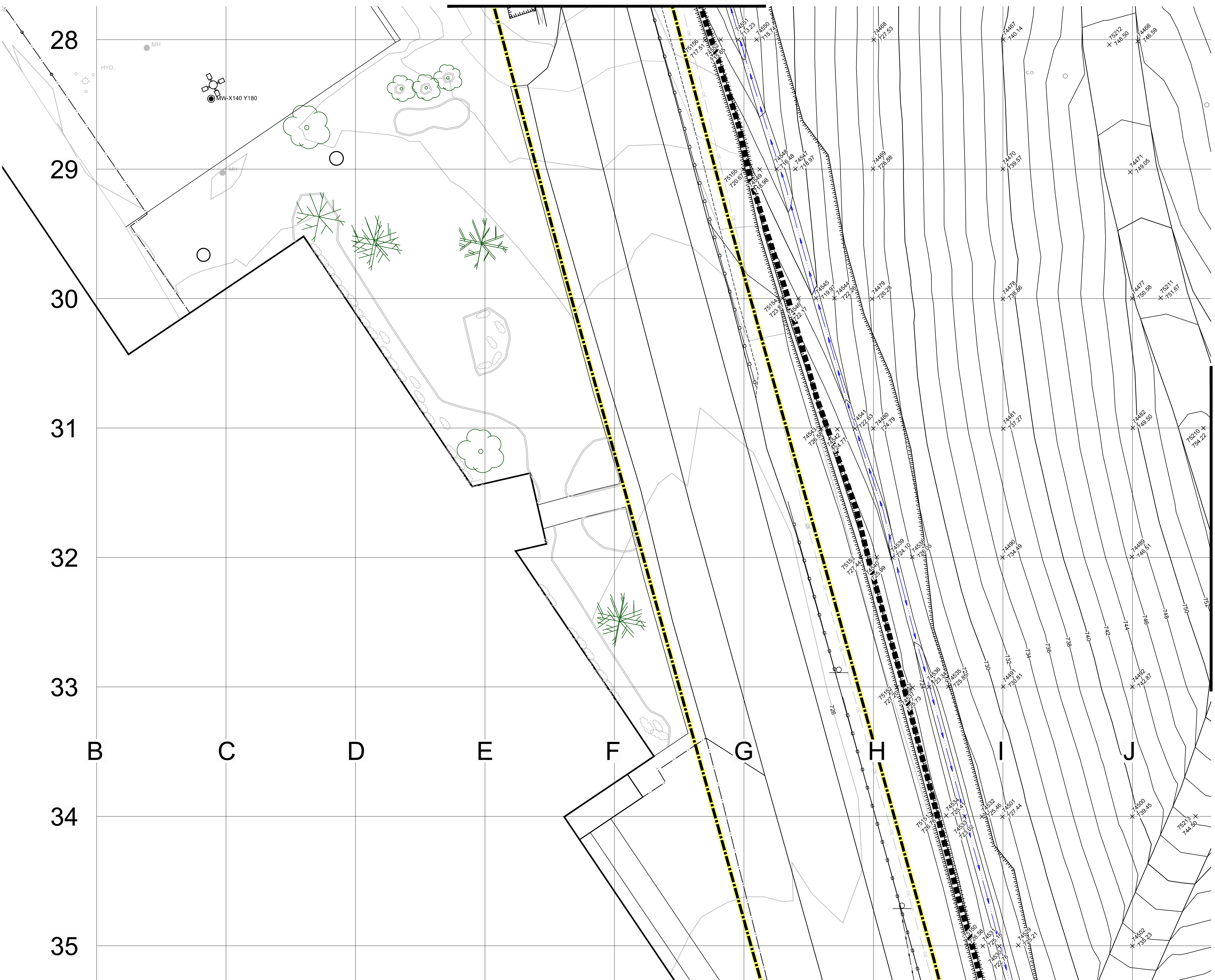
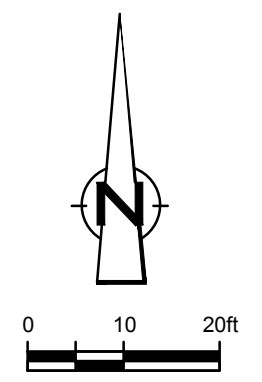
FINAL GRADE
 PLAN 10 OF 19

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 350
		Drawing N°: C-63

MATCHLINE - SEE DRAWING C-61



MATCHLINE - SEE DRAWING C-65

Nº	Revision	Date	Initial

LEGEND

- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- FINAL GRADE CONTOUR
- 73370
+ 676.93 POINT NUMBER
AS-BUILT FINAL SPOT ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

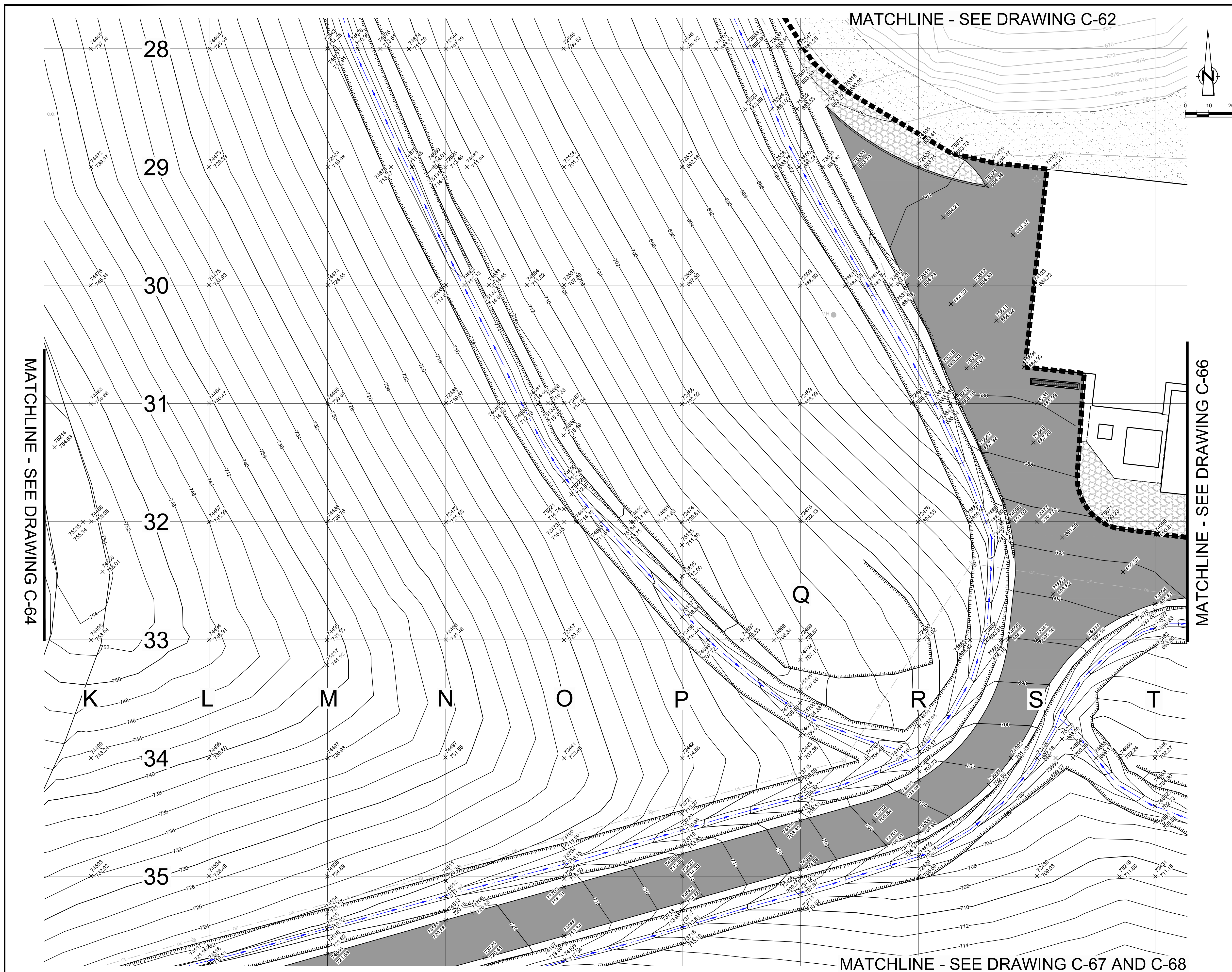
AS-RECORDED - ISSUED FOR EPA REVIEW MAR. 02, 2015 CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**
 EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT
 FINAL GRADE
 PLAN 11 OF 19

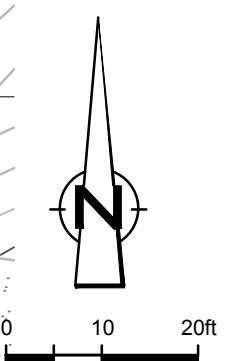
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project Nº: 13968-00	Report Nº: 350
		Drawing Nº: C-64



MATCHLINE - SEE DRAWING C-62



MATCHLINE - SEE DRAWING C-64

MATCHLINE - SEE DRAWING C-66

MATCHLINE - SEE DRAWING C-67 AND C-68

NO	Revision	Date	Initial

LEGEND

- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- FINAL GRADE CONTOUR
- POINT NUMBER
73370
+ 676.93
AS-BUILT FINAL SPOT ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

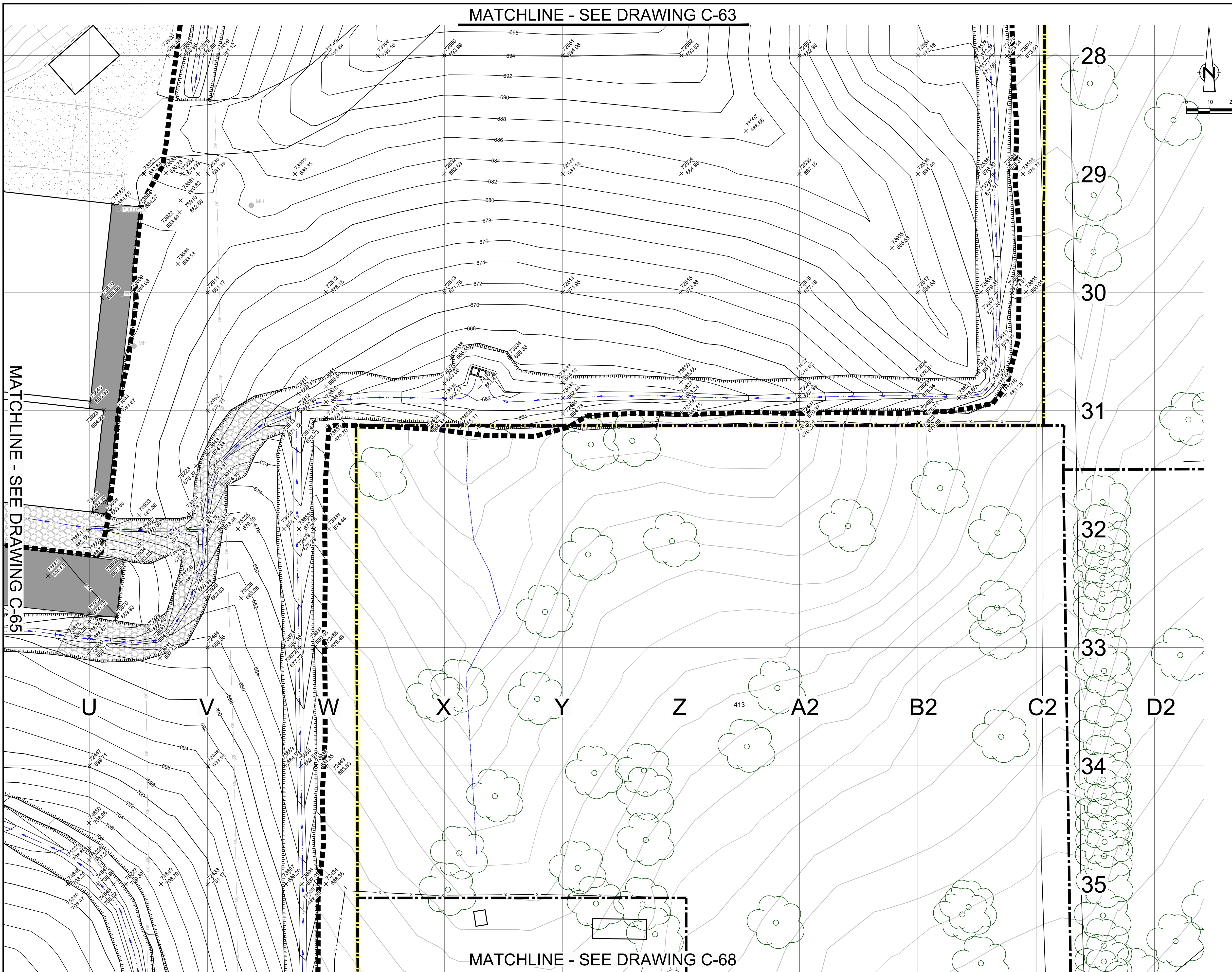
**FINAL GRADE
 PLAN 12 OF 19**



Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-65

MATCHLINE - SEE DRAWING C-63



MATCHLINE - SEE DRAWING C-65

MATCHLINE - SEE DRAWING C-68

NO	Revision	Date	Initial

LEGEND

- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- 700 FINAL GRADE CONTOUR
- POINT NUMBER
73370
+ 676.93 AS-BUILT FINAL SPOT ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

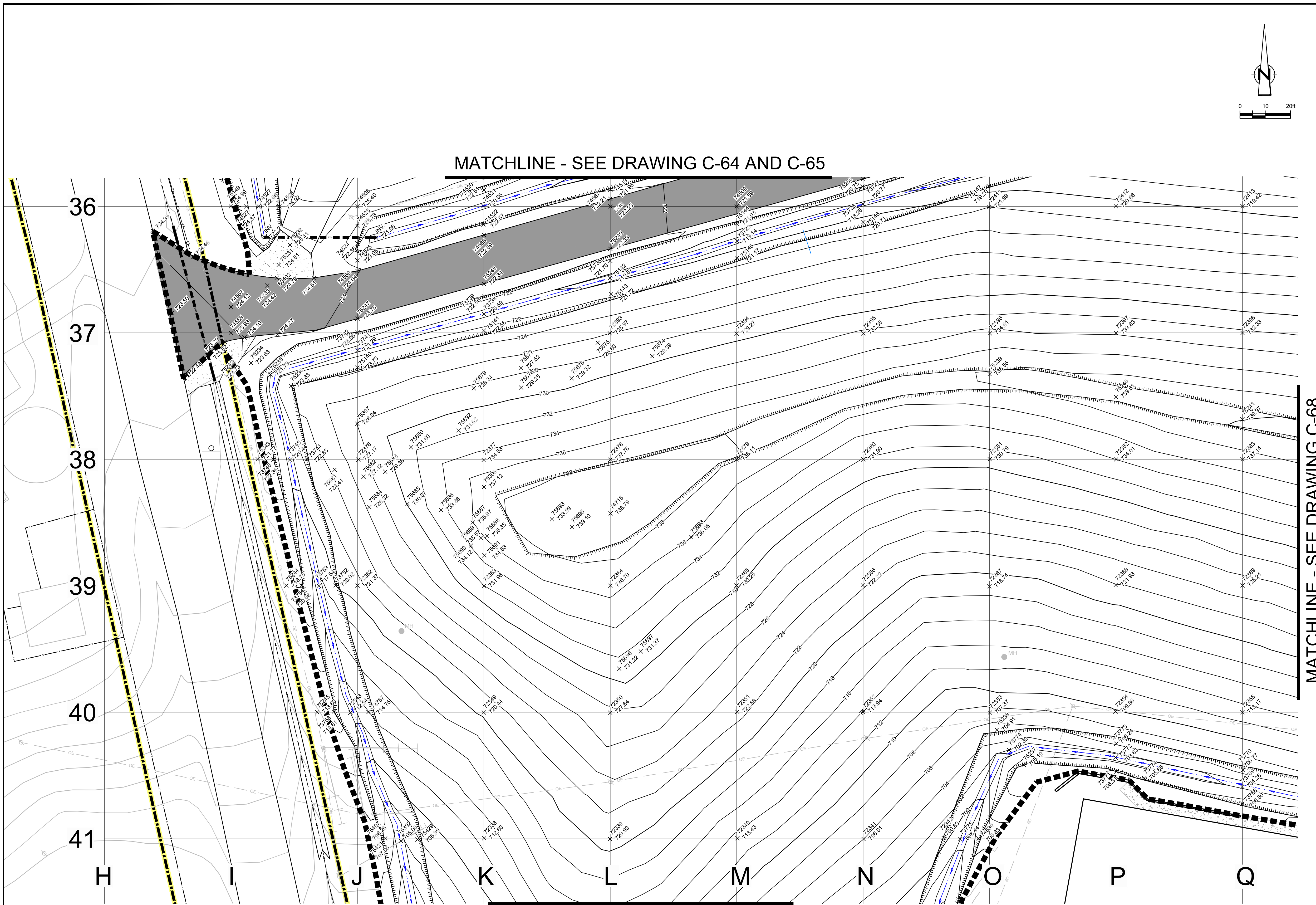
EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

**FINAL GRADE
 PLAN 13 OF 19**

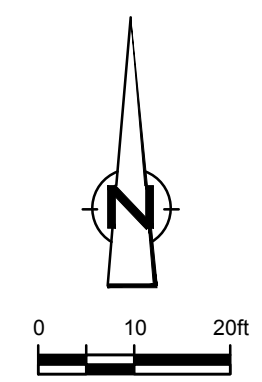


Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 350 Drawing N°: C-66



MATCHLINE - SEE DRAWING C-64 AND C-65



NO	Revision	Date	Initial

LEGEND

- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- FINAL GRADE CONTOUR
- POINT NUMBER
73370
+ 676.93
AS-BUILT FINAL SPOT ELEVATION (ft)

RECORD DRAWINGS

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SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.



Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

GM CET BEDFORD FACILITY
BEDFORD, INDIANA

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

FINAL GRADE
PLAN 14 OF 19



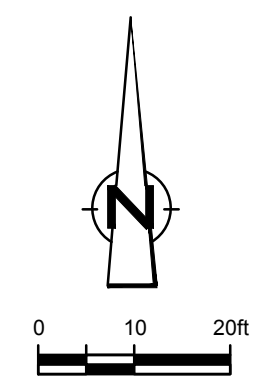
Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 350 Drawing N°: C-67

MATCHLINE - SEE DRAWING C-68

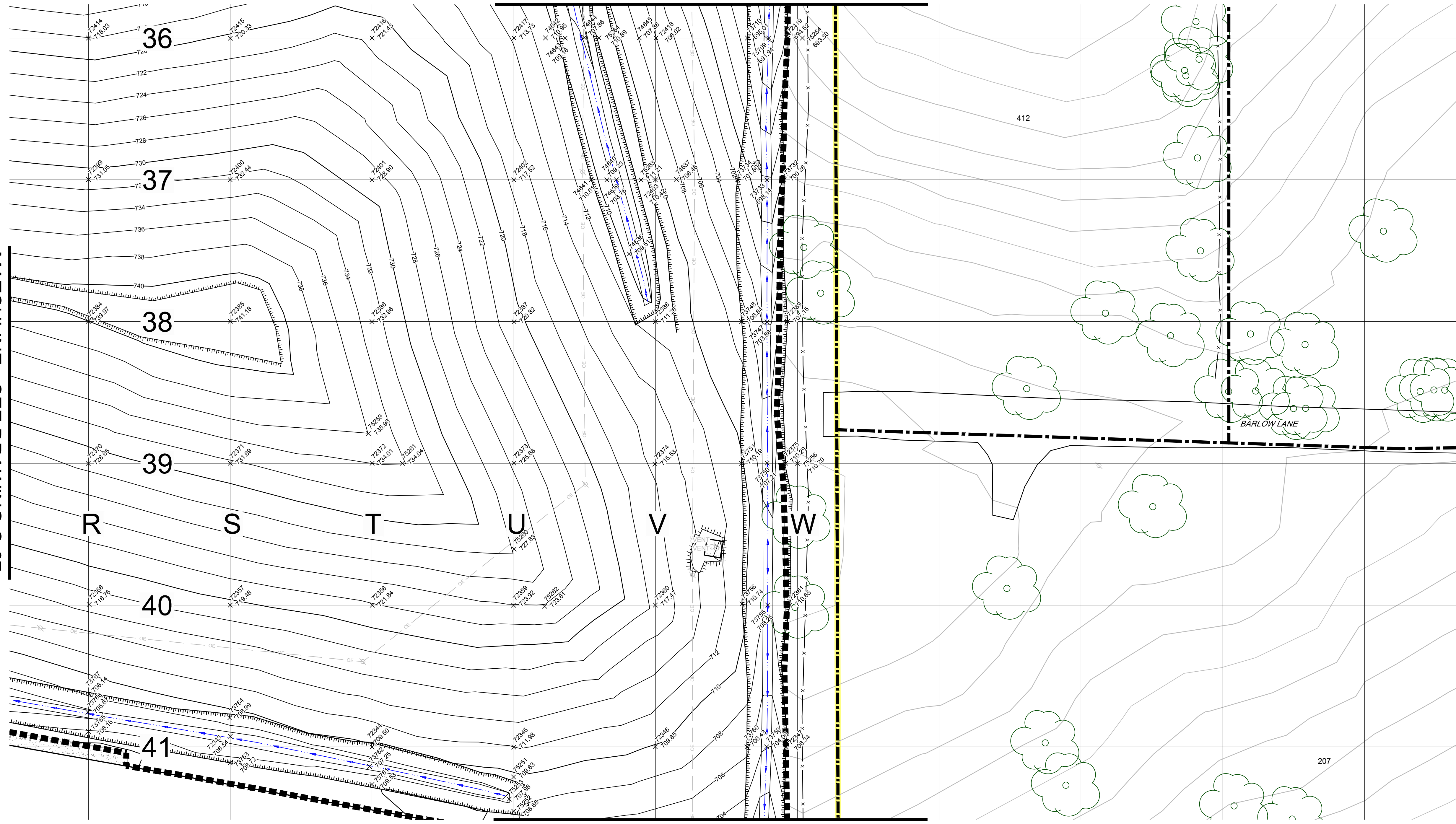
MATCHLINE - SEE DRAWING C-69

MATCHLINE - SEE DRAWING C-65 AND C-66



MATCHLINE - SEE DRAWING C-69 AND C-70

MATCHLINE - SEE DRAWING C-67



Nº	Revision	Date	Initial

LEGEND

- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- FINAL GRADE CONTOUR
- POINT NUMBER
73370
+ 676.93
AS-BUILT FINAL SPOT ELEVATION (ft)

RECORD DRAWINGS
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SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

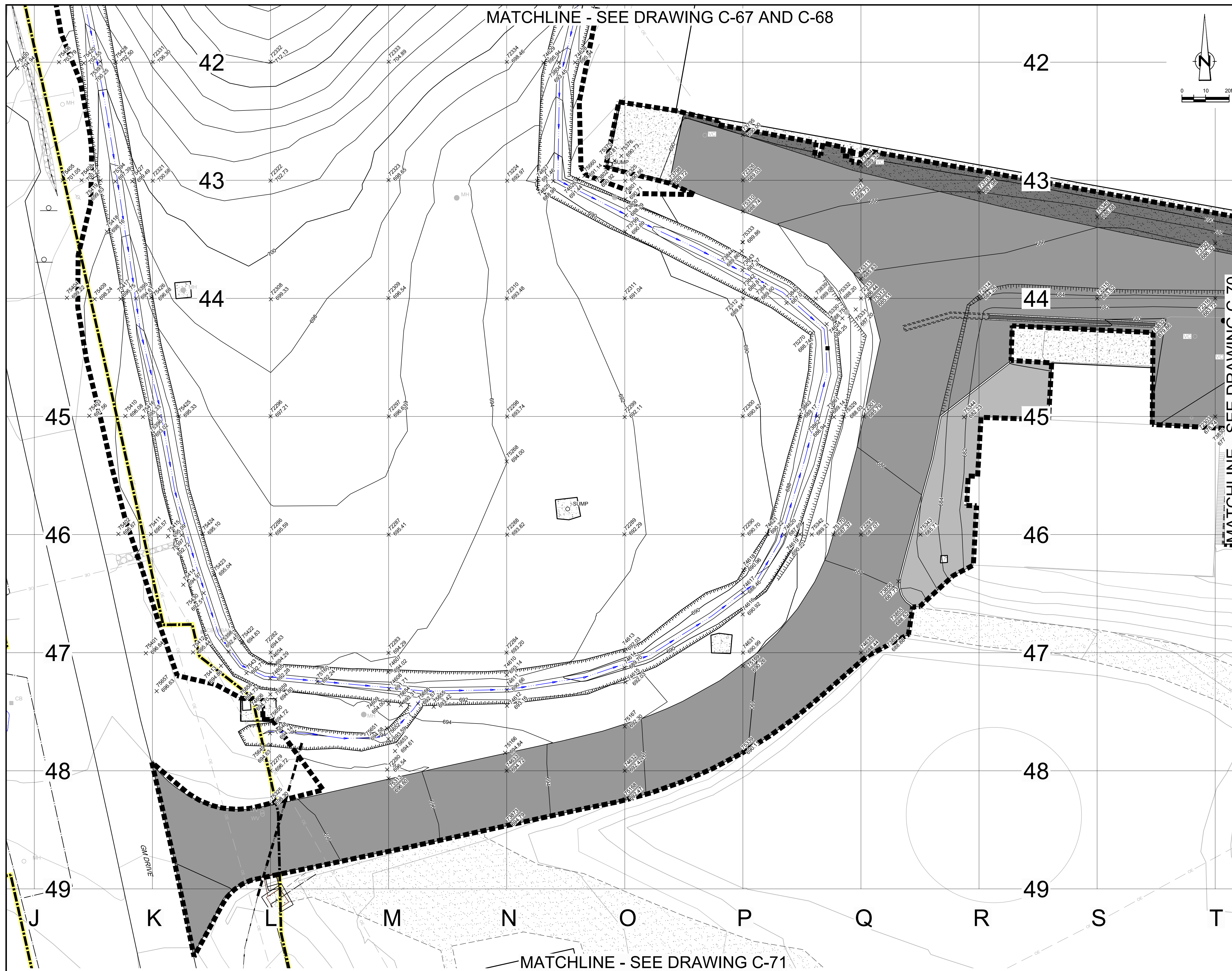
Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**
 EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT
**FINAL GRADE
 PLAN 15 OF 19**

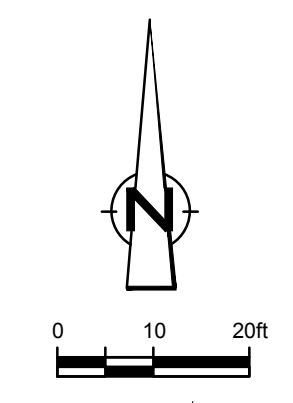
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project Nº: 13968-00	Report Nº: 350 Drawing Nº: C-68



MATCHLINE - SEE DRAWING C-67 AND C-68



NQ	Revision	Date	Initial

LEGEND

- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- 700 FINAL GRADE CONTOUR
- POINT NUMBER
73370
+ 676.93 AS-BUILT FINAL SPOT ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
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Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

**FINAL GRADE
 PLAN 16 OF 19**

CONESTOGA-ROVERS & ASSOCIATES

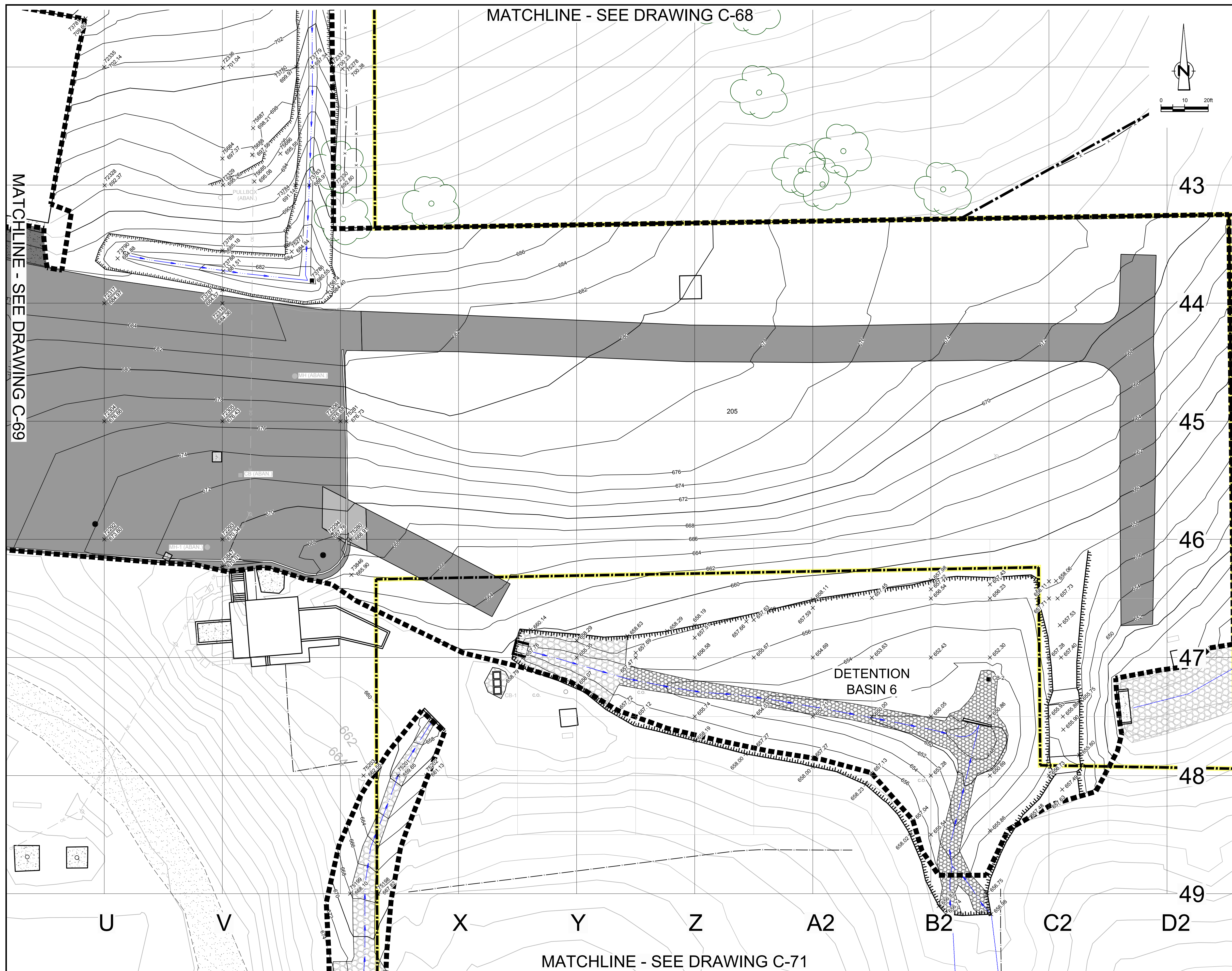
Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 350 Drawing N°: C-69

13968-00(350)CI-WA014 MAR 2/2015

MATCHLINE - SEE DRAWING C-68

MATCHLINE - SEE DRAWING C-69



MATCHLINE - SEE DRAWING C-71

NO	Revision	Date	Initial

LEGEND

- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- FINAL GRADE CONTOUR
- POINT NUMBER
73370
+ 676.93
AS-BUILT FINAL SPOT ELEVATION (ft)
- + 681.12
DETENTION BASIN 6
AS-BUILT FINAL SPOT ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

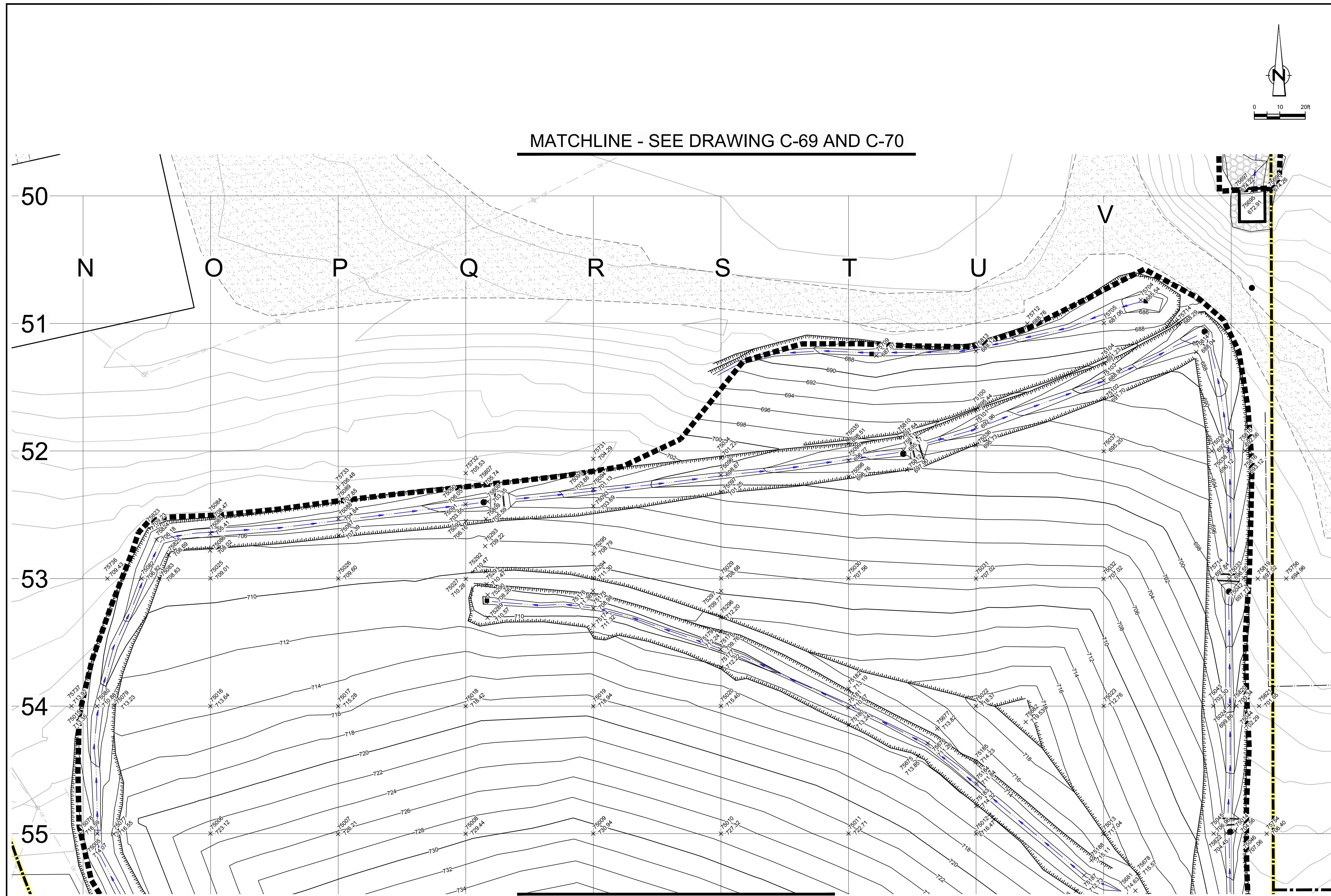
**FINAL GRADE
 PLAN 17 OF 19**

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350 Drawing No: C-70

13968-00(350)CI-WA014 MAR 2/2015



MATCHLINE - SEE DRAWING C-69 AND C-70

MATCHLINE - SEE DRAWING C-72

NO	Revision	Date	Initial

LEGEND

- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- FINAL GRADE CONTOUR
- 73370
+ 676.93
POINT NUMBER
AS-BUILT FINAL SPOT ELEVATION (ft)

RECORD DRAWINGS
 THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED ON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CRA CAN NOT AND DOES NOT WARRANT ITS ACCURACY AND/OR COMPLETENESS, AND THUS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THIS RECORD DRAWING ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY AND/OR COMPLETENESS BEFORE USING IT FOR ANY PURPOSE.

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH
Status	Date	Initial

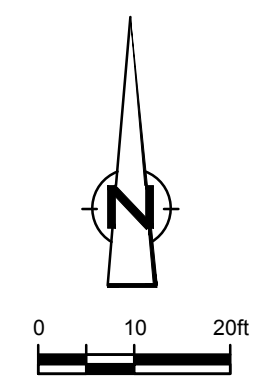
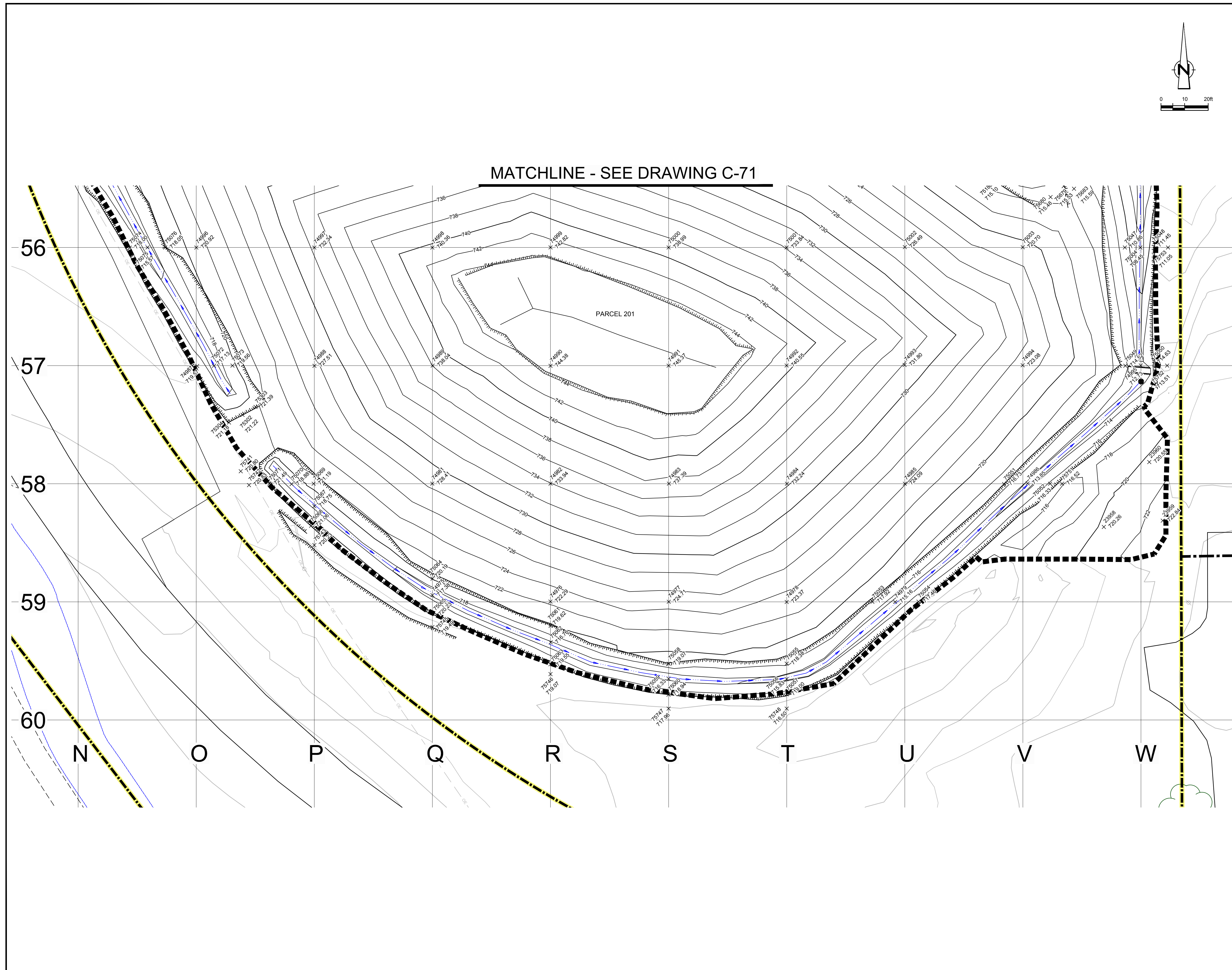
**GM CET BEDFORD FACILITY
 BEDFORD, INDIANA**
 EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT
 FINAL GRADE
 PLAN 18 OF 19

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project No: 13968-00	Report No: 350
		Drawing No: C-71

13968-00(350)CI-WA014 MAR 2/2015



MATCHLINE - SEE DRAWING C-71

NO	Revision	Date	Initial

LEGEND

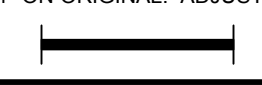
- APPROXIMATE GM PROPERTY BOUNDARY
- EAST PLANT COVER SYSTEM LIMIT
- FINAL GRADE CONTOUR
- POINT NUMBER
73370
+ 676.93
AS-BUILT FINAL SPOT ELEVATION (ft)

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Approved

DRAWING STATUS

Status	Date	Initial
AS-RECORDED - ISSUED FOR EPA REVIEW	MAR. 02, 2015	CRH

GM CET BEDFORD FACILITY
BEDFORD, INDIANA

EAST PLANT AREA COVER SYSTEM CERTIFICATION REPORT

FINAL GRADE
PLAN 19 OF 19



Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

Project Manager: J.M.	Reviewed By: C.R.H.	Date: MARCH 2015
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 350 Drawing N°: C-72

