

September 6, 2007

FINAL

**SITE SOURCE CONTROL (SSC) WORK PLAN
ADDENDUM NO. 6
PROPOSED CHANGES TO SSC SAMPLING
PROGRAM**

**GENERAL MOTORS POWERTRAIN BEDFORD FACILITY
105 GM DRIVE
BEDFORD, INDIANA**

EPA ID# IND006036099

AUGUST 2007

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LIST OF ACRONYMS AND TERMS

AOC	Administrative Order by Consent
CRA	Conestoga-Rovers & Associates, Inc.
EagleView	EagleView Industries
Facility	GM Powertrain Bedford Facility
ft	feet
GM	General Motors Corporation
NAPL	Non-aqueous phase liquid
PCBs	polychlorinated biphenyls
RA	Removal Action
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
SSC	Site Source Control
Monitoring Program	SSC Seep/Spring Monitoring Program
U.S. EPA	United States Environmental Protection Agency

1.0 INTRODUCTION

Conestoga-Rovers & Associates, Inc. (CRA) has prepared this Addendum No. 6 to the Site Source Control (SSC) Work Plan for the General Motors Corporation (GM) Powertrain Bedford Facility (Facility) located in Bedford, Indiana (United States Environmental Protection Agency (U.S. EPA) ID# IND006036099). This SSC Addendum No. 6 has been developed to present proposed changes to the SSC Seep/Spring Monitoring Program (Monitoring Program), in accordance with the Administrative Order by Consent (AOC) (Docket Number V-W-'03-C-747, effective July 31, 2003).

1.1 GENERAL

The Facility is located at 105 GM Drive, Bedford, Lawrence County, Indiana, 47421 (see Figure 1.1). The Facility produces aluminum casting products, such as transmission cases, pistons, and engine blocks. Major aluminum production processes include die casting and permanent molding. The Facility has been operating as an aluminum foundry since 1942, with major facility modifications completed in 1950, 1953, 1966, 1971, 1974, 1977, 1979, and 1980.

The Facility, located on 152.5 acres, contains approximately 915,000 square feet (ft) of floor space and employs approximately 1,000 people. The term "Site", as referred to in this document is defined in Section I of the AOC.

1.2 PURPOSE

The purpose of this addendum is to present proposed changes to the Monitoring Program, as presented in the original SSC Work Plan (CRA, November 6, 2003) and Addendum No. 4 to the SSC Work Plan (CRA, June 22, 2005). The original list of seeps and springs for Phase I of the Monitoring Program (seeps and springs located along the creek system south of Broomsage Road) was presented in the original SSC Work Plan. Addendum No. 4 presented additional seeps and springs, which were newly discovered and Phase II seeps and springs (located north of Broomsage Road), which were added to the Monitoring Program. This Addendum proposes further modification to the Monitoring Program, based on the results of sampling to date.

2.0 SSC SEEP AND SPRING MONITORING PROGRAM

2.1 PROGRAM OVERVIEW

The original Monitoring Program was designed to identify the potential for known seeps/springs to contain polychlorinated biphenyls (PCBs) that could potentially re-contaminate the Bailey's Branch, and Pleasant Run watersheds. The Monitoring Program included the collection of samples at each of the identified seeps and springs for analysis of total and dissolved PCBs, an assessment of the approximate flow rate, and the mapping and sampling of any newly discovered seep or spring. Eight sampling events were initially described during the first year of monitoring: four samples were to be collected under high-flow conditions and four samples under low-flow conditions. The high-flow condition was defined as a minimum of two inches of rain in a 24-hour period; and the low-flow condition was defined as a minimum of seven calendar days without precipitation prior to the sampling event.

Table 2.1 presents all Monitoring Program sampling events that have been completed to date. The location of seeps and springs are shown on Figure 2.1.

2.2 PHASE I MONITORING

The SSC Work Plan identified the seeps and springs that were originally included in the Phase I Monitoring Program. Summary tables and results describing the Phase I sampling events are included in the SSC Work Plan Addendum No. 4 and in the SSC - Seep and Spring Data Packages (June 22, 2005, and January 12, 2006).

2.3 PHASE II MONITORING

As indicated in the SSC Work Plan, additional seeps and springs north of Broomsage Road and along the creek were added to the Monitoring Program in SSC Work Plan Addendum No. 4 and Phase II sampling commenced on June 14, 2005, during the first quarter 2005 high-flow event. Summary tables and results describing the Phase II sampling events are included in the Seep and Spring Data Packages (CRA, June 30, 2006).

Appendix A presents a data box figure for all of the sampling events included in the Monitoring Program to date.

2.4 THERMAL IMAGERY

In an effort to identify additional springs that may have been missed through visual reconnaissance, a thermal imagery study was completed during the late hours of March 20, 2004, through the early hours of March 21, 2004. The imagery was completed by EagleView Industries (EagleView) of Vickburg, Mississippi, using a Jet Ranger helicopter at an approximate altitude of 750 ft above the ground surface and a Mitsubishi 5120C infrared imager. An approximate six square mile area was surveyed during this flight (see Figure 2.2). A description of this proposed work was included in the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Work Plan Addendum No. 5 (CRA, July 26, 2004). The final report from EagleView was distributed to U.S. EPA on April 21, 2005.

The latitude and longitude coordinates of each thermal anomaly identified by EagleView were plotted on existing USGS topographic quadrangles (see Figure 2.2). Field verification was conducted on each of the thermal anomalies identified within the area of the Phase I and Phase II Monitoring Programs, where access could be obtained. The field verification process concentrated on the Phase I and Phase II areas (mainly along the Bailey's Branch, Pleasant Run, and the upstream tributaries). It was initially conducted in the Phase I area and, subsequently, within the Phase II area, as sampling under the SSC Work Plan progressed downstream. Field verification has been conducted multiple times since the collection of the imagery, and visual reconnaissance continues on a daily basis as the field crews continue to work in these areas.

In many cases, the anomaly was verified as an existing spring, animal, or existing pumps/generators in the remediation area. Some anomalies could not be found in the field (possibly small animals). Several of the anomalies identified by EagleView were duplicates of other images (i.e., several anomalies were shown on multiple images and identified by EagleView as separate anomalies. An example of this can be found in "Spr 21" and "Spr 32" in EagleView's data report, (see Figure 2.3)). The results of the field verification are presented in Table 2.2, which was included in the original EagleView report. Table 2.3 presents EagleView's original list of thermal anomalies and the results of the field reconnaissance with rationale for including, or not including each spring into the Monitoring Program. Table 2.3 also corrects some typographical errors present in the original table prepared by Eagleview.

Additional thermal anomalies were identified on the images provided by EagleView. Many of those anomalies were outside of the Phase I/Phase II area and were mostly located on private property away from the plant and Creek system, to which GM does

not have access. Those anomalies were not field verified and are not part of this program.

The thermal imagery resulted in the identification of the following additional springs:

- Spring 019-001
- Spring 021-006
- Spring 021-007
- Spring 022-002
- Spring 022-003
- Spring 022-004
- Spring 022-005
- Spring 022-006
- Spring 027-003
- Spring 028-003
- Spring 031-002
- Spring 389-001
- Spring 389-002

2.5 EXISTING MONITORING NETWORK

The development of this sampling network, as described above, has culminated in 125 unique sampling locations since the beginning of the Monitoring Program. Of the 125 locations, 107 were from identified seeps and springs throughout the Phase I and Phase II areas and are being sampled under this program. Twenty-six former seeps and springs are now being collected and treated at 17 SSC locations. Six springs were physically removed during Removal Action (RA) activities along the creek.

3.0 PROPOSED MONITORING PROGRAM MODIFICATIONS

The SSC Work Plan states that, following the first year of monitoring, or as new information becomes available, seeps/springs that do not contain detectable PCBs (or PCBs at levels that could cause re-contamination of the creek) will be identified and proposed for removal from the Monitoring Program. Upon U.S. EPA approval, these locations will be removed from the Monitoring Program.

The following sections discuss the rationale for the proposed removal of seeps and springs from the Monitoring Program. Table 3.1 lists the 118 sampling locations that have been included in the Monitoring Program to date, and presents the proposed status of each.

3.1 SEEPS/SPRINGS PROPOSED FOR REMOVAL FROM SSC MONITORING PROGRAM

The following sections describe different aspects of groups of locations for which removal of the Monitoring Program is being requested.

3.1.1 SEEPS/SPRINGS COVERED DURING CREEK RESTORATION ACTIVITIES

The following 20 soil seep and spring locations were only noted after rain during the time that RA activities were occurring. These locations have subsequently been covered during creek restoration activities and a current seep and/or spring has not been observed since the completion of the creek restoration. Therefore, the following locations cannot be sampled, and are proposed to be removed from the Monitoring Program:

- 4-1
- 4-2
- 4-3
- 5-1
- 6-1
- 6-1A
- 6-2
- 6-3

- 8-1
- 8-2
- 10-1A
- 11-1
- 11-2
- 11-2A
- 11-3
- 205-1
- Spring 004
- Spring 013-001
- Spring 013-002
- Spring 020

**3.1.2 SEEPS/SPRINGS WITH NON DETECT RESULTS FOR
FOUR HIGH AND LOW-FLOW EVENTS**

The following seventeen seep and spring locations have not exhibited detectable concentrations of PCBs (or PCBs at levels that could cause re-contamination of the creek) through a minimum of four events each of high-flow and low-flow sampling. Therefore, the following locations are proposed to be removed from the Monitoring Program:

- Spring 009
- Spring 028-001
- Spring 028-002
- Spring 074-002
- Spring 1452
- Spring 1459
- Spring 1590
- Spring 040-001
- Spring 040-002
- Spring 040-003
- Spring 040-007
- Spring 910

- Spring 1468
- Spring 1469
- Spring 1547
- Spring 1549
- Spring 1572

3.1.3 SPRING 018 AREA

The Spring 018 Area initially consisted of several springs, including Spring 018A, Spring 018B, Spring 018C, Spring 021-002, Spring 021-003, and Spring 021-005. Several dye trace studies were completed at the suspected source water for the springs, that being several swallets located upstream of the Spring 018 Area. The results of the dye traces concluded that the water entering the upstream swallets exited the underground conduit system at the Spring 018 Area fairly rapidly and moved through the system as a slug, indicating limited underground storage. The results of these tests were provided in the RFI Technical Memorandum for Swallet Testing (CRA, September 27, 2004).

RA activities began at these springs through the initial sealing of the upstream swallets on July 15, 2005. Rock removal in the Spring 018 Area began on July 20, 2005, moving the spring upstream approximately 10 ft, and resulting in the drying up and removal of all springs listed above and leaving the spring in this area. The resulting remaining spring (only one spring) location was renamed to Spring 018B. Final sealing of the swallets was completed on August 2, 2005. Spring 018B was then power-washed and cleaned in August 2005. Based on sample results of the spring water, additional rock removal (moving approximately ten additional feet in the upstream direction) began on August 16, 2005, and was completed on August 17, 2005. This new physical location of the spring (the current location) was renamed to Spring 018C. The area downstream of Spring 018C was bermed to collect the discharge water for treatment. This water is still being treated prior to discharge to the creek.

Upon conclusion of the rock removal at the Spring 018 Area, and adjacent RA activities, two geophysical studies were completed in this area. The purpose of these studies was to determine the location of the actual flow paths through the underground conduit system. The results of these studies were presented to the U.S. EPA on April 13, 2006. Additional investigation activities have been proposed in SSC Work Plan Addendum No. 5 dated November 9, 2006. Once investigation is complete, an interim measure will be proposed to U.S. EPA.

The Seep and Spring Data Package Update (CRA, June 30, 2006) presents analytical data from all samples collected to date from the Spring 018, Spring 018B, and Spring 018C locations. The data package also presents graphs of these concentrations versus time and the daily precipitation summations recorded at the weather station located at the Facility (see Figure 3.1). Monthly sample results for Spring 018C have been included in subsequent data packages.

Therefore, the following six spring locations have been removed during RA activities at the Spring 018 Area, as described above, can no longer be sampled and are proposed to be removed from the Monitoring Program:

- Spring 021-002
- Spring 021-003
- Spring 021-004
- Spring 021-005
- Spring 018
- Spring 018B

During the ongoing investigation in the Spring 018 Area, sampling at Spring 018C has been completed on a regular basis (at least monthly). As long as this spring is sampled on a regular basis, Spring 018C will be removed from the quarterly Monitoring Program.

3.1.4 FORMER SEEPS/SPRINGS COLLECTED IN SSC SYSTEMS

The following 28 seep and spring locations are currently collected and sampled as part of collection systems at the Site. Collected water is treated prior to discharge to the creek. These include Wet Wells 1, 2, 3, and SSC Systems A, B, C, D, E, F, G, H, I, J-M, NAOI4/P401 Sump, and Spring 201-001 Sump. These collection systems were installed as part of the SSC Work Plan to capture potentially impacted water from seeps and springs at the Site.

The following seeps and springs are proposed to be removed from the Monitoring Program, as they are collected and sampled as listed below (see Section 3.3):

<i>Seep/Spring Name</i>	<i>Collected And Sampled In</i>
Spring NAOI4/P401	NAOI4/P401 Sump
NA004 Sump A	SSC System A
Spring A	SSC System A
Spring B	SSC System A
SW-X216Y274	SSC System A
NA004 Sump B	SSC System B
Spring East of Storm Pond	SSC System B
Spring East of Storm Pond-2	SSC System B
Eastern Seep Area 02	SSC System C ⁽¹⁾
Eastern Seep Area 01	SSC System D ⁽¹⁾
Spring C	SSC System E
Spring D	SSC System F
Spring E	SSC System F
Spring F	SSC System G
Spring G	SSC System G
Spring H	SSC System H ⁽¹⁾
Spring I	SSC System I-M ⁽²⁾
Spring J	SSC System I-M ⁽²⁾
Spring K	SSC System I-M ⁽²⁾
Spring L	SSC System I-M ⁽²⁾
Spring M	SSC System I-M ⁽²⁾
Spring N	SSC System F
Spring 3-001	Wet Well 1
Spring 3-003	Wet Well 1
Seep 001	Wet Well 2
Spring 201-001	Spring 201-001 Sump
Spring 201-002	Spring 201-002 Sump
Spring 201-003	Spring 201-003 Sump

Notes:

- (1) The sampling locations for SSC Systems C, D, and H are within the same sump. (The ability to collect individual samples for each of the three pipes is dependent on the water level in the sump.) and the water sample obtained for some events is a combination of all three systems. SSC System H can be sampled individually at another location. Individual samples from SSC Systems C, D, and H will continue to be collected separately when feasible.
- (2) Springs I, J, K, L, and M are located beneath Grading Area 2. Spring I is piped to a collection sump, and Springs J through M are combined and piped to the same collection sump. Due to ongoing grading in this area, individual samples can no longer be obtained from these springs and only combined flow at collection sumps can be sampled.

3.1.5 SEEPS/SPRINGS DRY FOR FOUR LOW AND HIGH-FLOW EVENTS

The following sixteen seep and spring locations have been dry through four events of high and low-flow sampling events and are proposed to be removed from the Monitoring Program:

- Spring 015-001
- Spring 015-003
- Spring 015-005
- Spring 734
- Spring East Side Creek
- Spring 040-001
- Spring 040-002
- Spring 040-003
- Spring 040-007
- Spring 910
- Spring 1468
- Spring 1469
- Spring 1547
- Spring 1549
- Spring 1572

3.1.6 COLLECTION SYSTEMS BURIED DURING COVER SYSTEM CONSTRUCTION

Construction of the East Plant Area Cover System will bury some of the SSC Collection Systems under 40 to 60 feet of soil. The collection systems will remain in place and will continue to collect water and will continue to collect in Wet Well #3. The following eight collection system locations will eventually be buried under the Cover System, though sampling during events will continue until it is no longer possible:

- SSC Collection System A
- SSC Collection System C
- SSC Collection System D
- SSC Collection System E
- SSC Collection System F
- SSC Collection System H
- SSC Collection System I
- SSC Collection System J-M

3.2 SEEPS/SPRINGS PROPOSED FOR CONTINUED MONITORING IN THE SSC MONITORING PROGRAM

Based on review of the Monitoring Program to date, 29 seeps and springs are proposed to be sampled for a limited time and are discussed below (see Figure 3.2). The sampling frequency will be quarterly and will correspond to either a low-flow or a high-flow event, whichever occurs first. If either criterion is not met during a calendar quarter, then a sample will be collected from the seeps and springs at the end of the quarter. These seeps and springs are proposed to be sampled until a total of four consecutive events of non-detection of total PCBs and dissolved PCBs is obtained. After four consecutive events of non-detections are obtained, the below listed seeps and springs will be proposed for removal from the Monitoring Program:

- Seep 002 (dry or non-detect for seven high-flow events and seven low-flow events)
- Seep 5013A
- Seep 5013B (dry for three high-flow events and three low-flow events)
- Spring 8-1A (dry for three high-flow events and two low-flow events)
- 8-3 (dry or non-detect for three high-flow events and two low-flow events)
- Parcel 008 Sump (non-detect for two high flow events and two low-flow events)
- Spring 013-003 (non-detect for four high-flow events, and two low-flow events)
- Spring 015-002 (non-detect or dry for eight high-flow events and eight low-flow events)
- Spring 015-004 (dry or non-detect for eight high-flow events and dry for seven low-flow events)
- Spring 015-006 (non-detect for one high-flow event and dry or non-detect for two low-flow events)

- Spring 015-007
- Spring 015-008 (non-detect for one low-flow event)
- Spring 019-001 (dry for two low-flow events)
- Spring 020-002 (non-detect for one high-flow event and two low-flow events)
- Spring 021 (dry for six events; non-detect for 12 events; and 1 detection – NOTE: this location will be sampled two additional times only)
- Spring 021-006 (dry for three high-flow events and two low-flow events)
- Spring 021-007 (dry for three high-flow events and two low-flow events)
- Spring 022-002 (dry or non-detect for three high-flow events and dry for two low-flow events)
- Spring 022-003 (dry or non-detect for three high-flow events and dry for two low-flow events)
- Spring 022-004 (dry or non-detect for three high-flow events and two low-flow events)
- Spring 022-005 (dry or non-detect for three high-flow events and non-detect for two low-flow events)
- Spring 022-006 (non-detect for one high-flow event and two low-flow events)
- Spring 028-003 (non-detect or dry for three high-flow events and two low-flow events)
- Spring 031-002 (dry for two low-flow events)
- Spring 216-001 (non-detect for two low-flow events and not accessible due to safety concerns during six other events)
- Spring 386-001 (dry or submerged for each of thirteen sampling events)
- Spring 389-001 (dry for three high-flow events and two low-flow events)
- Spring 389-002 (non-detect for three high-flow events and two low-flow events)
- Spring 1556 (dry for three low-flow events, and five high-flow events)
- Spring Well 1 (non-detect for one low-flow events)

Spring 015-006 and Spring Well 1 were located in or near active remediation areas, which were likely the cause of recent low-level detections. The detections for Spring 015-006 and Spring Well 1 were reported as estimated values (i.e., values were reported below the reporting limit, but above the method detection limit). It is proposed to sample these springs for one or two additional rounds subsequent to the completion of remediation activities in this area to further evaluate the spring and these results.

The Parcel 008 Sump (formerly '8-3 Sump') will continue to be monitored during events. When removed from the monitoring program the sump/piezometer will be abandoned.

As in previous events, Spring 027-003 will not be sampled due to its proximity to Spring 1468.

3.3 MONITORING PROGRAM FOR EXISTING SSC SYSTEMS

There are currently 15 collection system locations at the Site: Wet Wells 1, 2, and 3, and SSC Systems A, B, C, D, E, F, G, H, I, J-M, NAOI4/P401 Sump, and Spring 201-001, 002 and 003 Sumps. These collection systems were installed as part of the SSC Work Plan to capture potentially impacted water from seeps and springs at the Site.

These collection systems have been sampled quarterly during low-flow and high-flow sampling events as a part of the Monitoring Program. It is proposed to reduce the sampling of these systems to once quarterly, or four times a year and not be limited by either low flow or high flow events.

The locations of the SSC Systems are presented on Figure 3.3.

4.0 IDENTIFICATION OF ADDITIONAL SEEPS/SPRINGS DURING THE REMOVAL ACTIVITIES

The following program will be implemented to identify, locate, and characterize additional seeps or springs at, or adjacent to the Site during the RA. The following outlines the general procedures that will be used during the identification program:

- The Site will be re-inspected where GM has obtained access during quarterly sampling to identify any additional seeps or springs.
- The location and elevation of each new seep or spring will be surveyed, the seep or spring will be assigned a unique seep or spring identification number, and filtered and unfiltered samples of the water phase will be collected and analyzed for PCBs.
- The potential for the seep or spring flow to discharge onto areas of the Site which are subject to remediation will be determined based upon evaluation of the flow-path of the water emanating from the seep or spring.
- The potential for the seep or spring to be hydraulically connected to a source of contamination will be determined.
- The oversight engineer will, during the implementation of the RA, will have visually inspected the Site and adjacent slopes in the vicinity of the current work area to identify any seeps or springs on an ongoing basis during low flow conditions. During wet weather events (high flow conditions), the oversight engineer will have additional visual inspections completed to identify any additional seeps or springs within the current work area, which flow only during high flow conditions unless limited for safety reasons. The areas inspected under both high and low flow conditions will be documented to provide complete coverage of inspections. Additional seep or springs identified will be surveyed and sampled in accordance with the SSC Work Plan.

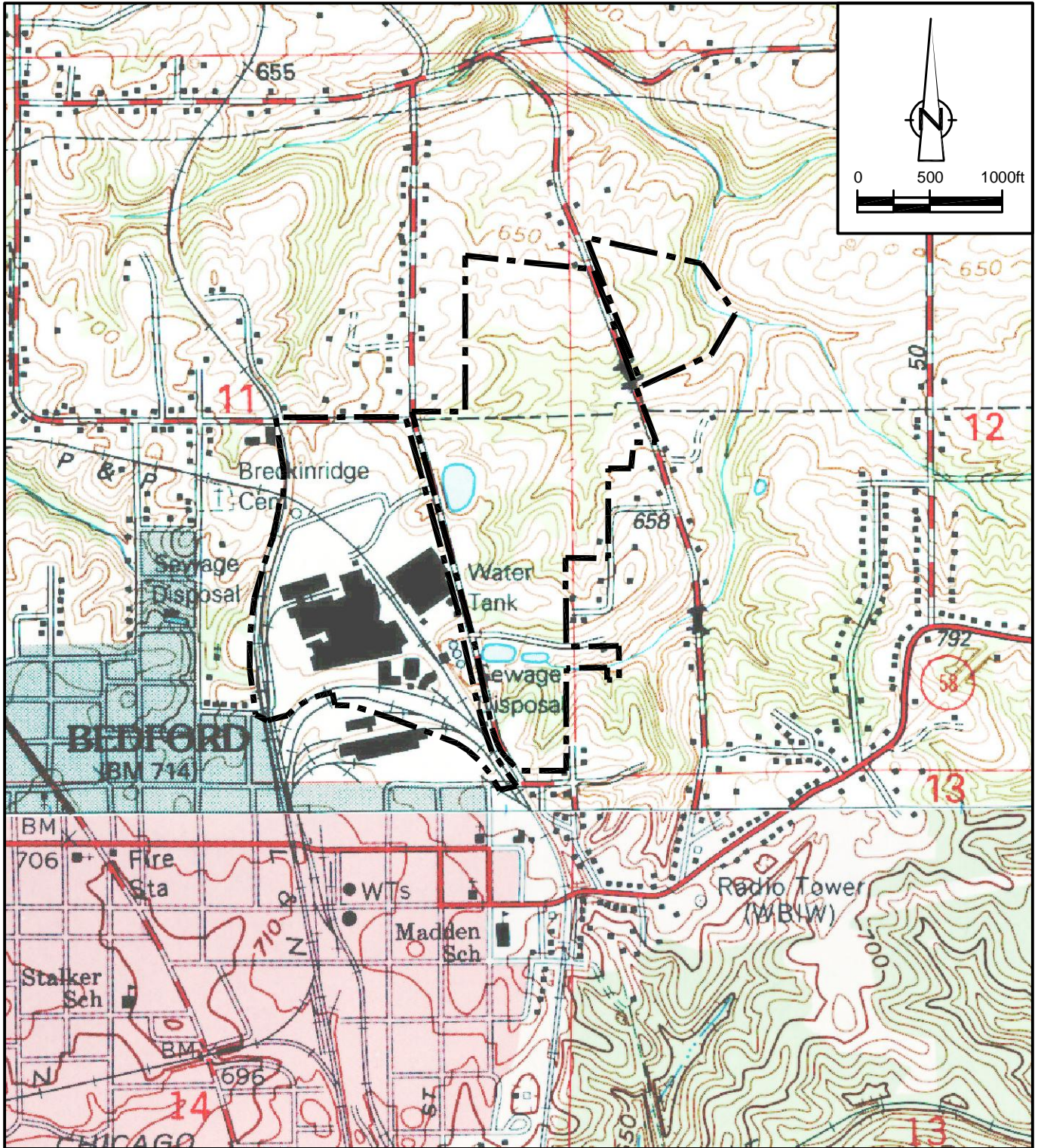
If any seep or spring is identified to contain PCBs at concentrations that may cause recontamination of the Site, or non-aqueous phase liquid (NAPL) is identified, then control measures consistent with Section 3.0 of the SSC Work Plan will be implemented. If PCBs are not detected then the seep or spring will be added to the Monitoring Program as described in Section 4.0 of the SSC Work Plan, unless U.S. EPA approves exclusion of the seep or spring from the Monitoring Program.

5.0 REPORTING

The results (tables and databox figures) for all sampling completed to date have been presented in separate data packages. Seep and spring data package updates will be provided as data are collected and validated.

6.0 REFERENCES

- Conestoga-Rovers & Associates, Inc., RFI Technical Memorandum for Swallet Testing, Bailey's Branch to Pleasant Run Creek Memorandum, September 27, 2004.
- Conestoga-Rovers & Associates, Inc., RFI Work Plan Addendum No. 5, July 26, 2004.
- Conestoga-Rovers & Associates, Inc., Site Source Control - Seep and Spring Data Package, June 22, 2005.
- Conestoga-Rovers & Associates, Inc., Site Source Control - Seep and Spring Data Package Update - Site Source Control, January 12, 2006.
- Conestoga-Rovers & Associates, Inc., Site Source Control - Seep and Spring Data Package Update - Site Source Control, March 28, 2006.
- Conestoga-Rovers & Associates, Inc., Site Source Control - Seep and Spring Data Package Update - Site Source Control, June 30, 2006.
- Conestoga-Rovers & Associates, Inc., Site Source Control - Seep and Spring Data Package Update - Site Source Control, November 15, 2006.
- Conestoga-Rovers & Associates, Inc., Seep and Spring Data Package Update - Site Source Control, February 6, 2007.
- Conestoga-Rovers & Associates, Inc., Seep and Spring Data Package Update - Site Source Control, July 5, 2007.
- Conestoga-Rovers & Associates, Inc., Site Source Control Work Plan, November 6, 2003.
- Conestoga-Rovers & Associates, Inc., Site Source Control Work Plan Addendum No. 4, June 22, 2005.
- Conestoga-Rovers & Associates Inc., Site Source Control Work Plan Addendum No. 5, November 9, 2006.



BASE SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLES;
 BARTLETTSVILLE, INDIANA 1994
 BEDFORD EAST, INDIANA 1978
 BEDFORD WEST, INDIANA 1993
 OOLITIC, INDIANA 1987

LEGEND

--- FACILITY BOUNDARY



figure 1.1
 SITE LOCATION
 SSC WORK PLAN ADDENDUM NO. 6
 GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

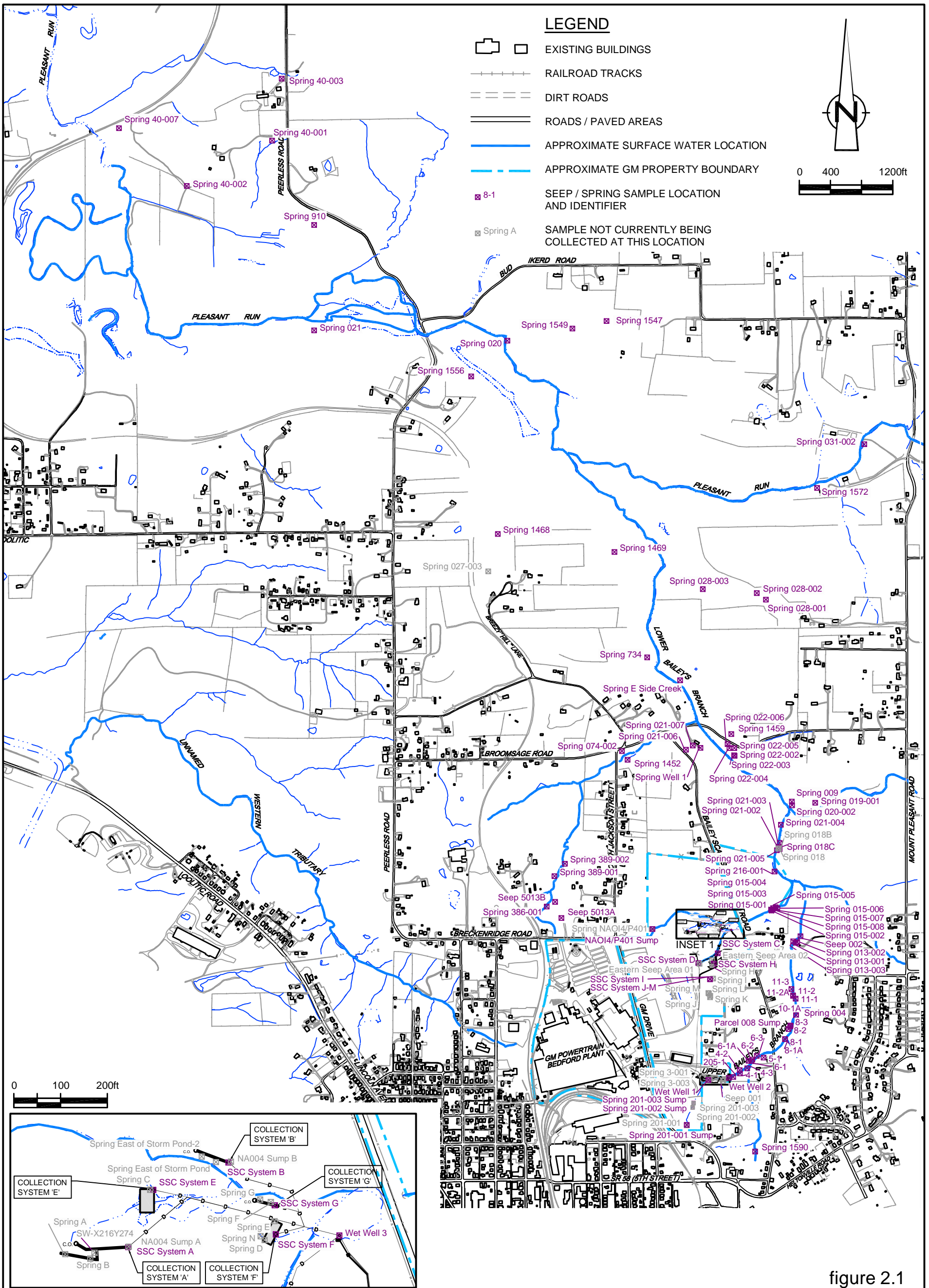
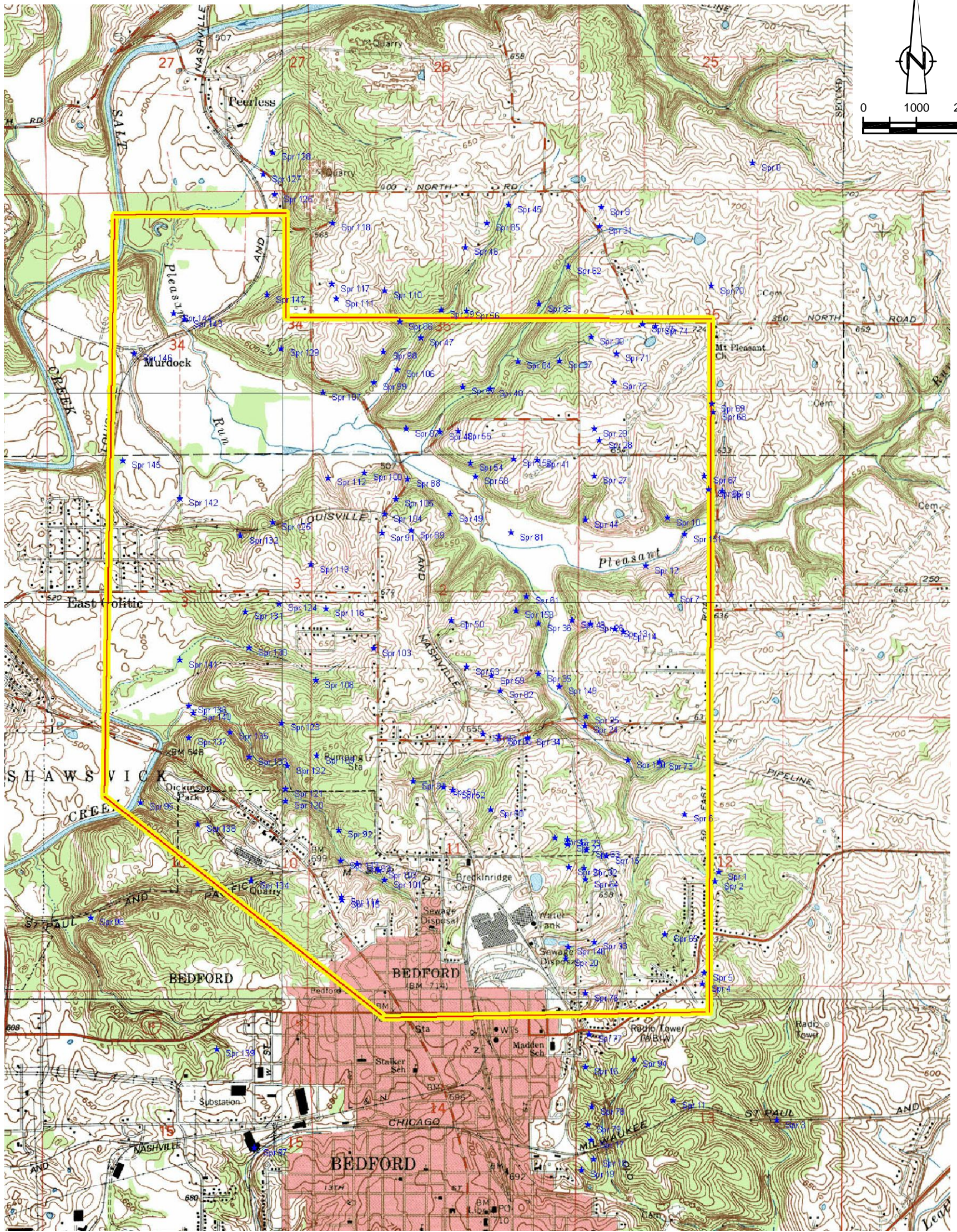


figure 2.1

**CURRENT SSC SAMPLE NETWORK
SSC WORK PLAN ADDENDUM NO. 6
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana**



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005



SOURCE: EAGLEVIEW INDUSTRIES, APRIL 3, 2004

LEGEND

★ INDIANA SPRING LOCATION



figure 2.2

**LOCATION OF THERMAL ANOMALIES
SSC WORK PLAN ADDENDUM NO. 6
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana**



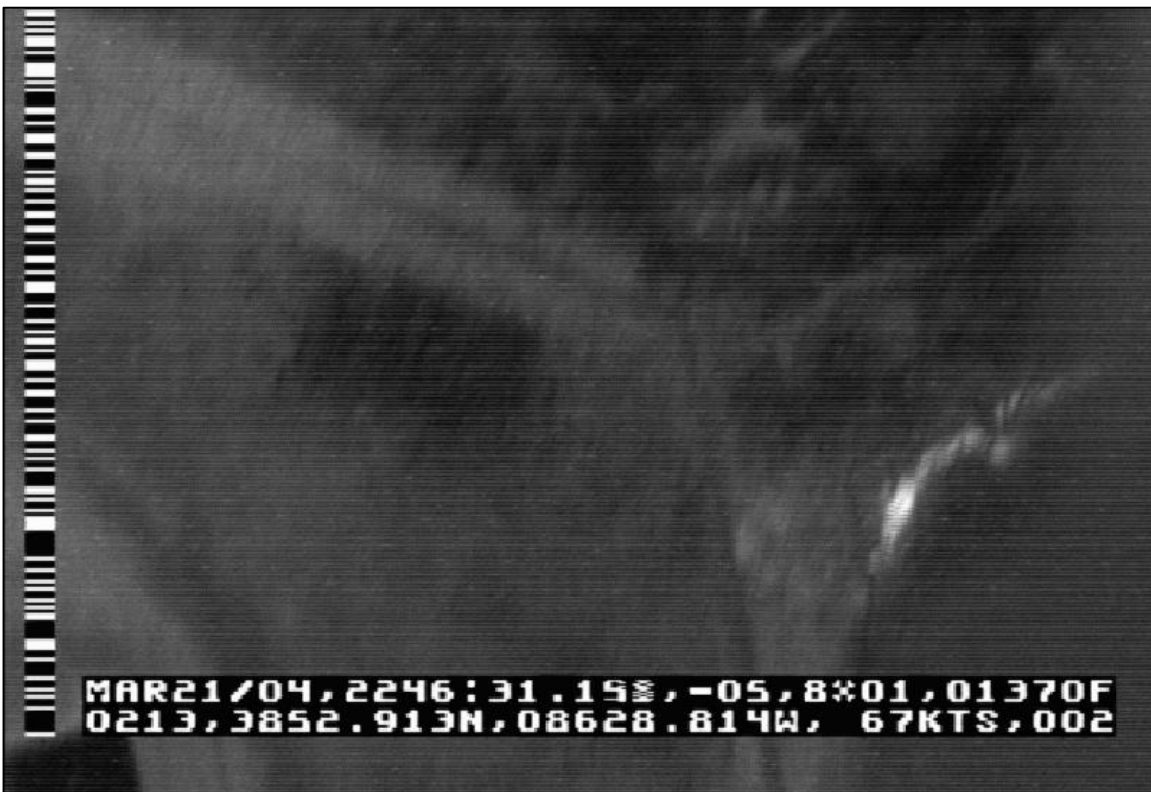


PHOTO OF SPR 21



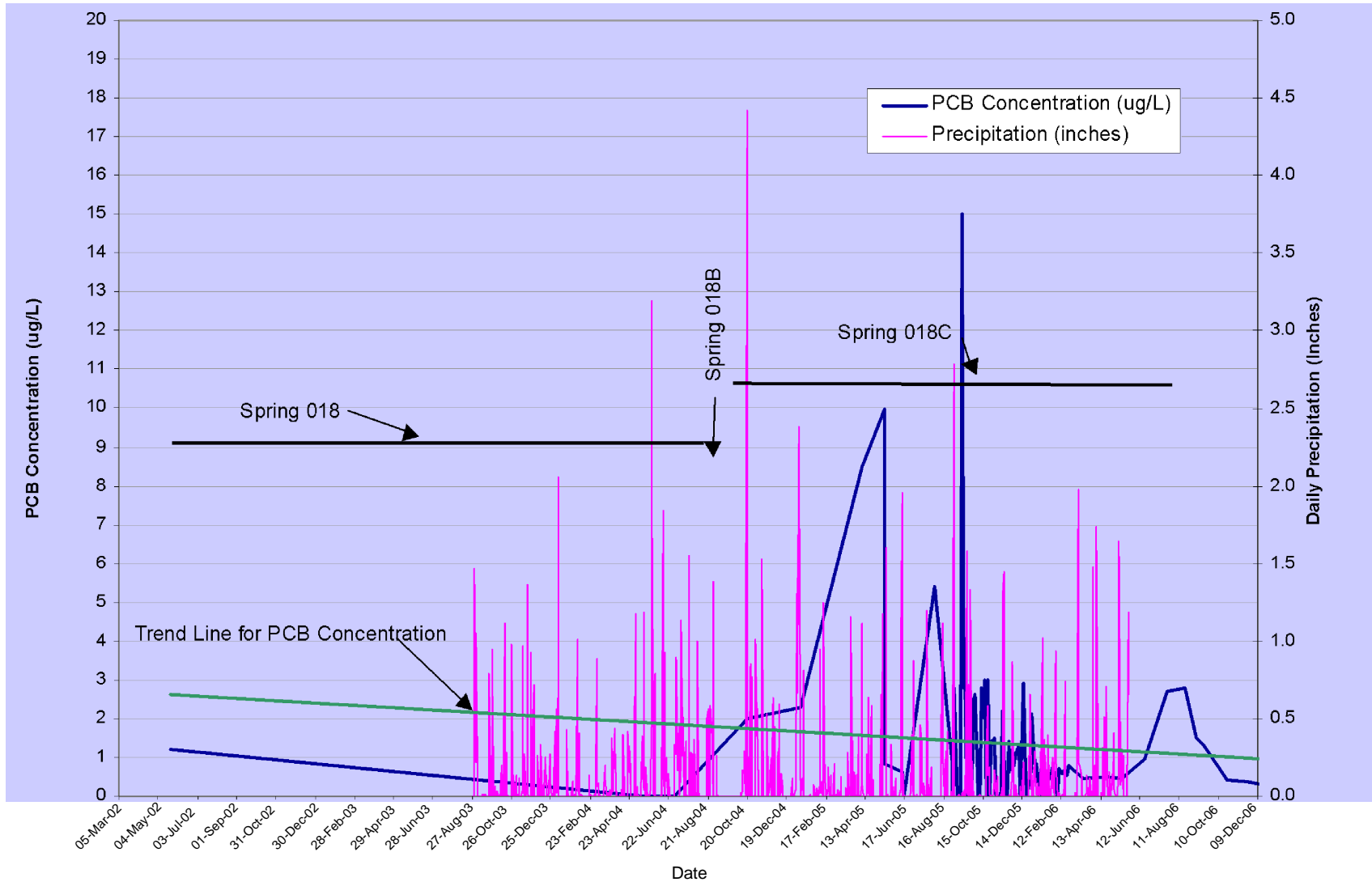
PHOTO OF SPR 32

figure 2.3

SOURCE: EAGLEVIEW INDUSTRIES,
APRIL 3, 2004

SPR 21 AND SPR 32
SSC WORK PLAN ADDENDUM NO. 6
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

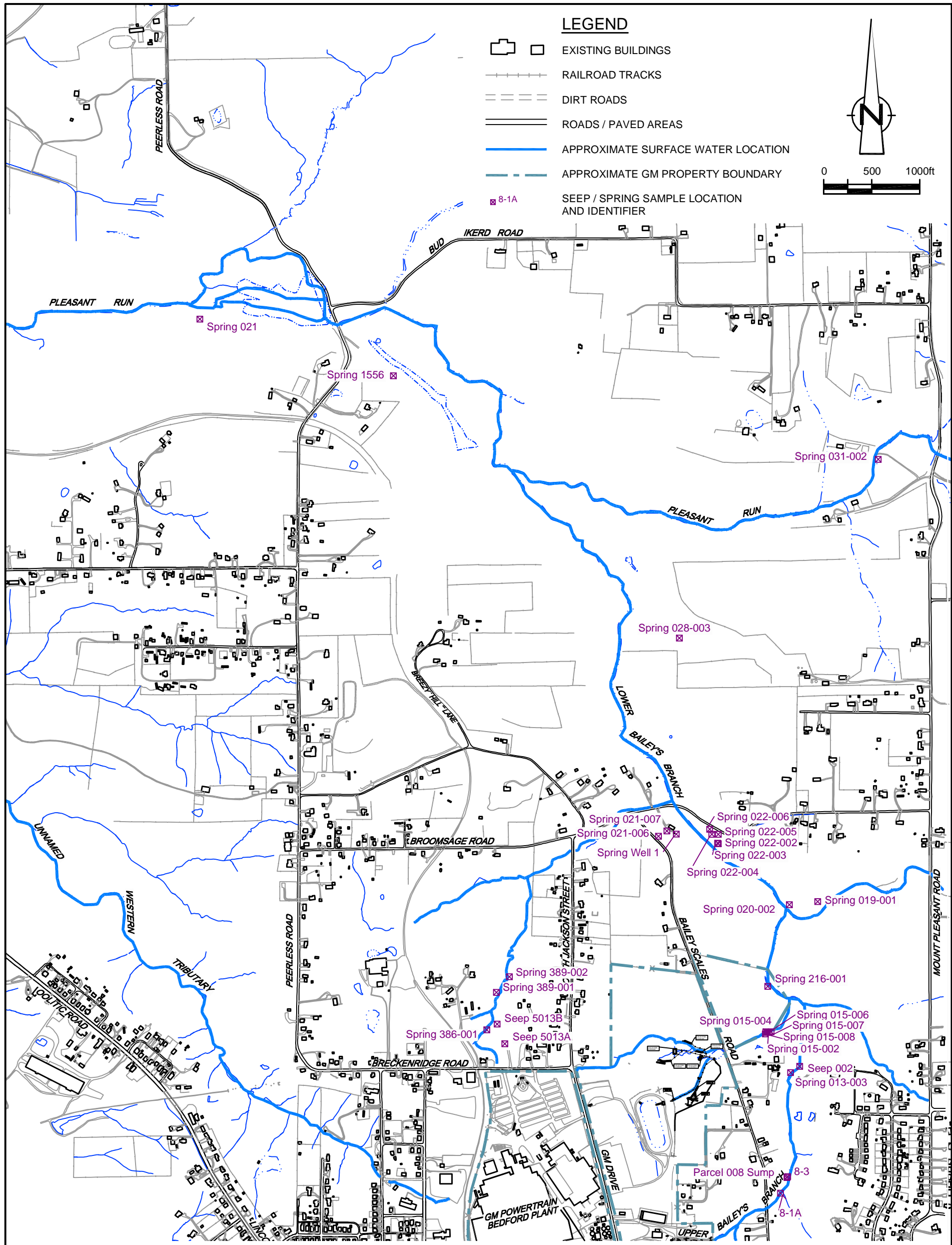




NOTE:
 FILLING OF THE SWALLETS INITIATED (7-15-05) ROCK REMOVAL INITIATED
 (7-20-05) FILLING OF THE SWALLETS COMPLETED (8-2-05) FINAL ROCK
 REMOVAL (8-17-05)

figure 3.1
 PCB CONCENTRATION AND PRECIPITATION, SPRING 018 LOCATION
 SSC WORK PLAN ADDENDUM NO. 6
 GM POWERTRAIN BEDFORD FACILITY
 Bedford, Indiana





NOTE: SPRING 021 WILL BE MONITORED FOR TWO ADDITIONAL EVENTS AND REMOVED FROM THE PROGRAM PENDING RESULTS TO SUPPORT REMOVAL

figure 3.2
 PROPOSED SEEP AND SPRING MONITORING NETWORK
 SSC WORK PLAN ADDENDUM NO. 6
 GM POWERTRAIN BEDFORD FACILITY
 Bedford, Indiana



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

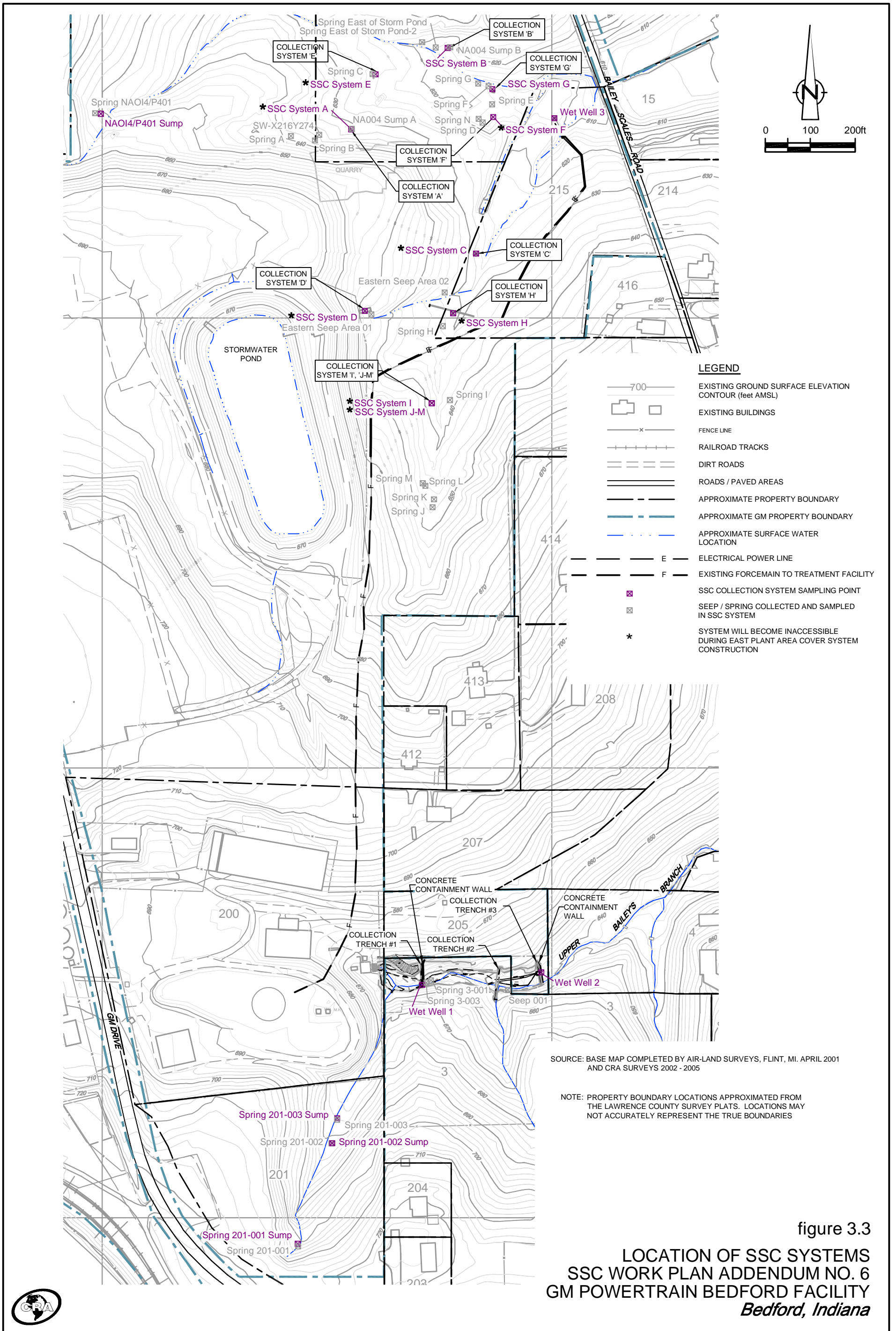


TABLE 2.1

SSC MONITORING PROGRAM SAMPLING EVENTS
SSC WORK PLAN ADDENDUM NO. 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

<i>Sampling Event</i>	<i>Sampling Start Date</i>
<i>Second Quarter 2004</i>	
Low-Flow	May 12, 2004
High-Flow	June 1, 2004
<i>Third Quarter 2004</i>	
Low-Flow	August 13, 2004
High-Flow	October 20, 2004
<i>Forth Quarter 2004</i>	
Low-Flow	October 7, 2004
High-Flow	January 10, 2005
<i>First Quarter 2005</i>	
Low-Flow	January 31, 2005
High-Flow	June 14, 2005
<i>Second Quarter 2005</i>	
Low-Flow	May 7, 2005
High-Flow	August 31, 2005
<i>Third Quarter 2005</i>	
Low-Flow	September 14, 2005
High-Flow	November 21, 2005
<i>Forth Quarter 2005</i>	
Low-Flow	December 27, 2005
<i>2006 Sampling Events</i>	
March 2006 High-Flow	March 10, 2006
March 2006 Low-Flow	March 1, 2006
August 2006 High-Flow	August 30, 2006
September 2006 High-Flow	September 14, 2006
October 2006 High-Flow	October 19, 2006
<i>2007 Sampling Events</i>	
March 2007 Low-Flow	March 12, 2007
April 2007 Low-Flow	April 23, 2007
August 2007 Low-Flow*	August 22, 2007

Note:

* - Validated data were unavailable at time of printing.

TABLE 2.2

**THERMAL ANOMALIES IDENTIFIED BY EAGLEVIEW
SSC WORK PLAN ADDENDUM NO. 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>IMAGE</i>	<i>ANOMALY A</i>	<i>ANOMALY B</i>	<i>ANOMALY C</i>	<i>EXISTING SPRINGS</i>
Spr 1	038° 52.9155' N, 086° 28.1752' W	-	-	-
Spr 2	038° 52.8837' N, 086° 28.1903' W	-	-	-
Spr 3	038° 52.1074' N, 086° 27.9343' W	-	-	-
Spr 4	038° 52.5519' N, 086° 28.2436' W	-	-	-
Spr 5	038° 52.5856' N, 086° 28.2360' W	-	-	-
Spr 6	038° 53.1033' N, 086° 28.3190' W	-	-	-
Spr 7	038° 53.8204' N, 086° 28.3734' W	038° 53.8118' N, 086° 28.3740' W	-	-
Spr 8	038° 55.0807' N, 086° 28.6646' W	-	-	-
Spr 9	038° 54.1578' N, 086° 28.1607' W	-	-	-
Spr 10	038° 54.0693' N, 086° 28.3882' W	-	-	-
Spr 11	038° 52.1710' N, 086° 28.3663' W	038° 52.1588' N, 086° 28.3630' W	038° 52.1460' N, 086° 28.3664' W	-
Spr 12	038° 53.9149' N, 086° 28.4800' W	-	-	SPRING_1572
Spr 13	038° 53.7043' N, 086° 28.6095' W	-	-	SPRING_028-002
Spr 14	038° 53.6956' N, 086° 28.5715' W	-	-	SPRING_028-001
Spr 15	038° 52.9668' N, 086° 28.6415' W	038° 52.9674' N, 086° 28.6612' W	038° 52.9430' N, 086° 28.6523' W	-
Spr 16	038° 52.2802' N, 086° 28.7300' W	-	-	-
Spr 17	038° 52.0440' N, 086° 28.7065' W	-	-	-
Spr 18	038° 51.9812' N, 086° 28.6967' W	-	-	-
Spr 19	038° 51.9472' N, 086° 28.7454' W	038° 51.9532' N, 086° 28.7494' W	038° 51.9545' N, 086° 28.7416' W	-
Spr 20	038° 52.6334' N, 086° 28.8104' W	038° 52.6491' N, 086° 28.8110' W	-	-
Spr 21	038° 52.9295' N, 086° 28.7981' W	-	-	SW-X216Y274
Spr 22	038° 53.0056' N, 086° 28.8030' W	-	-	-
Spr 23	038° 53.0226' N, 086° 28.8023' W	-	-	-
Spr 24	038° 53.3926' N, 086° 28.7317' W	038° 53.4049' N, 086° 28.7382' W	-	-
Spr 25	038° 53.4225' N, 086° 28.7267' W	-	-	SPRING_1459(5032)
Spr 26	038° 53.7237' N, 086° 28.7074' W	-	-	-
Spr 27	038° 54.2064' N, 086° 28.6928' W	038° 54.3198' N, 086° 28.6593' W	-	-
Spr 28	038° 54.3223' N, 086° 28.6714' W	-	-	-
Spr 29	038° 54.3596' N, 086° 28.6926' W	-	-	-
Spr 30	038° 54.6576' N, 086° 28.7048' W	-	-	-
Spr 31	038° 55.0185' N, 086° 28.6709' W	038° 52.9275' N, 086° 28.7215' W	-	-
Spr 32	038° 52.9275' N, 086° 28.7337' W	-	-	SW-X256Y260
Spr 33	038° 52.6671' N, 086° 28.6815' W	038° 52.6541' N, 086° 28.6945' W	-	SEEP_001(5012) SPRING 3-001_02_ 03
Spr 34	038° 53.3532' N, 086° 28.9708' W	038° 53.3532' N, 086° 28.9708' W	038° 53.3532' N, 086° 28.9708' W	SPRING_1452/1453(5034)
Spr 35	038° 53.5585' N, 086° 28.9256' W	038° 53.5460' N, 086° 28.9202' W	-	SPRING_734(5051)
Spr 36	038° 53.7237' N, 086° 28.9256' W	-	-	-
Spr 37	038° 54.5816' N, 086° 28.8368' W	-	-	-
Spr 38	038° 54.7667' N, 086° 28.9211' W	038° 54.7781' N, 086° 28.9374' W	038° 54.7807' N, 086° 28.9351' W	-
Spr 39	038° 54.7470' N, 086° 29.3316' W	-	-	-
Spr 40	038° 54.4900' N, 086° 29.1265' W	-	-	-
Spr 41	038° 54.2567' N, 086° 28.9305' W	-	-	-

TABLE 2.2

**THERMAL ANOMALIES IDENTIFIED BY EAGLEVIEW
SSC WORK PLAN ADDENDUM NO. 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>IMAGE</i>	<i>ANOMALY A</i>	<i>ANOMALY B</i>	<i>ANOMALY C</i>	<i>EXISTING SPRINGS</i>
Spr 42	038° 53.0269' N, 086° 28.8576' W	-	-	-
Spr 43	038° 53.7332' N, 086° 28.7845' W	-	-	-
Spr 44	038° 54.0633' N, 086° 28.7308' W	-	-	-
Spr 45	038° 55.0872' N, 086° 29.0496' W	-	-	-
Spr 46	038° 54.9503' N, 086° 29.2307' W	-	-	-
Spr 47	038° 54.6556' N, 086° 29.4163' W	038° 54.6590' N, 086° 29.4158' W	-	-
Spr 48	038° 54.3482' N, 086° 29.3365' W	-	-	-
Spr 49	038° 54.0818' N, 086° 29.2936' W	038° 54.0815' N, 086° 29.2820' W	-	SPRING_1556(5058)
Spr 50	038° 53.7350' N, 086° 29.2890' W	-	-	SPRING_1468(5049)
Spr 51	038° 53.1909' N, 086° 29.3200' W	-	-	-
Spr 52	038° 53.1813' N, 086° 29.2848' W	-	-	-
Spr 53	038° 53.5824' N, 086° 29.2260' W	-	-	-
Spr 54	038° 54.2464' N, 086° 29.2096' W	-	-	SPRING_1549
Spr 55	038° 54.3504' N, 086° 29.2592' W	-	-	-
Spr 56	038° 54.7436' N, 086° 29.2253' W	-	-	-
Spr 57	038° 54.4979' N, 086° 29.2410' W	-	-	-
Spr 58	038° 54.2041' N, 086° 29.1876' W	038° 54.1912' N, 086° 29.1741' W	-	-
Spr 59	038° 53.5543' N, 086° 29.1196' W	-	-	-
Spr 60	038° 53.1198' N, 086° 29.1238' W	-	-	SEEP_5013
Spr 61	038° 53.8154' N, 086° 28.9752' W	038° 53.8150' N, 086° 28.9551' W	-	-
Spr 62	038° 54.8881' N, 086° 28.7995' W	038° 54.8802' N, 086° 28.7815' W	-	-
Spr 63	038° 52.9867' N, 086° 28.7249' W	038° 52.9861' N, 086° 28.7127' W	038° 52.9989' N, 086° 28.7252' W	Spring East of Storm Pond 1 and 2
Spr 64	038° 52.8910' N, 086° 28.7284' W	038° 52.8861' N, 086° 28.7041' W	038° 52.8813' N, 086° 28.7042' W	Eastern Seep Area 01 & 02 - SW-X243Y232
Spr 65	038° 52.7115' N, 086° 28.3991' W	-	-	-
Spr 66	038° 54.1625' N, 086° 28.2159' W	-	-	-
Spr 67	038° 54.2056' N, 086° 28.2366' W	-	-	-
Spr 68	038° 54.4122' N, 086° 28.1992' W	-	-	-
Spr 69	038° 54.4402' N, 086° 28.2045' W	038° 54.4271' N, 086° 28.2035' W	-	-
Spr 70	038° 54.8233' N, 086° 28.2055' W	-	-	-
Spr 71	038° 54.6051' N, 086° 28.6014' W	038° 54.6031' N, 086° 28.6141' W	-	-
Spr 72	038° 54.5143' N, 086° 28.6117' W	-	-	-
Spr 73	038° 53.2743' N, 086° 28.4209' W	-	-	-
Spr 74	038° 54.6944' N, 086° 28.4380' W	-	-	-
Spr 75	038° 54.7006' N, 086° 28.4908' W	-	-	-
Spr 76	038° 52.5204' N, 086° 28.7299' W	-	-	SPRING_1590(5059)
Spr 77	038° 52.3858' N, 086° 28.7128' W	-	-	-
Spr 78	038° 52.1500' N, 086° 28.7046' W	-	-	-
Spr 79	038° 52.0932' N, 086° 28.7187' W	-	-	-
Spr 80	038° 53.3552' N, 086° 29.0896' W	-	-	-
Spr 81	038° 54.0229' N, 086° 29.0381' W	-	-	-
Spr 82	038° 53.5057' N, 086° 29.0841' W	-	-	-

TABLE 2.2

THERMAL ANOMALIES IDENTIFIED BY EAGLEVIEW
 SSC WORK PLAN ADDENDUM NO. 6
 GM POWERTRAIN BEDFORD FACILITY
 BEDFORD, INDIANA

IMAGE	ANOMALY A	ANOMALY B	ANOMALY C	EXISTING SPRINGS
Spr 83	038° 53.3650' N, 086° 29.1551' W	-	-	-
Spr 84	038° 54.5800' N, 086° 29.0107' W	038° 54.5910' N, 086° 29.0120' W	-	-
Spr 85	038° 55.0281' N, 086° 29.1401' W	-	-	-
Spr 86	038° 54.7088' N, 086° 29.5035' W	-	-	-
Spr 87	038° 54.3581' N, 086° 29.4767' W	-	-	-
Spr 88	038° 54.1962' N, 086° 29.4720' W	-	-	-
Spr 89	038° 54.0283' N, 086° 29.4549' W	-	-	-
Spr 90	038° 53.2099' N, 086° 29.4470' W	-	-	-
Spr 91	038° 54.0209' N, 086° 29.5759' W	-	-	-
Spr 92	038° 53.0504' N, 086° 29.7552' W	-	-	-
Spr 93	038° 52.9405' N, 086° 29.6782' W	-	-	-
Spr 94	038° 52.3046' N, 086° 28.5301' W	038° 52.3120' N, 086° 28.5340' W	-	-
Spr 95	038° 53.1426' N, 086° 30.5774' W	-	-	-
Spr 96	038° 52.7670' N, 086° 30.7846' W	-	-	-
Spr 97	038° 52.0188' N, 086° 30.1044' W	-	-	-
Spr 98	038° 54.6100' N, 086° 29.5699' W	-	-	-
Spr 99	038° 54.5123' N, 086° 29.6112' W	-	-	-
Spr 100	038° 54.2163' N, 086° 29.6492' W	-	-	-
Spr 101	038° 52.8886' N, 086° 29.5653' W	-	-	-
Spr 102	038° 52.9200' N, 086° 29.5878' W	038° 52.9441' N, 086° 29.5951' W	-	-
Spr 103	038° 53.6428' N, 086° 29.6107' W	-	-	SPRING_5055
Spr 104	038° 54.0813' N, 086° 29.5671' W	-	-	-
Spr 105	038° 54.1314' N, 086° 29.5181' W	-	-	-
Spr 106	038° 54.5529' N, 086° 29.5136' W	-	-	-
Spr 107	038° 54.4771' N, 086° 29.8205' W	-	-	SPRING_910
Spr 108	038° 53.5381' N, 086° 29.8501' W	-	-	-
Spr 109	038° 53.2939' N, 086° 29.8477' W	-	-	-
Spr 110	038° 54.8098' N, 086° 29.5660' W	038° 54.7988' N, 086° 29.5550' W	-	-
Spr 111	038° 54.7832' N, 086° 29.7648' W	-	-	-
Spr 112	038° 54.1990' N, 086° 29.7979' W	-	-	SPRING_021
Spr 113	038° 52.9491' N, 086° 29.7450' W	-	-	-
Spr 114	038° 52.8347' N, 086° 29.7431' W	038° 52.8459' N, 086° 29.7425' W	-	-
Spr 115	038° 52.8231' N, 086° 29.7411' W	-	-	-
Spr 116	038° 53.7736' N, 086° 29.8065' W	-	-	-
Spr 117	038° 54.8294' N, 086° 29.7825' W	-	-	-
Spr 118	038° 55.0288' N, 086° 29.7813' W	-	-	-
Spr 119	038° 53.9190' N, 086° 29.8714' W	-	-	-
Spr 120	038° 53.1470' N, 086° 29.9770' W	-	-	-
Spr 121	038° 53.1853' N, 086° 29.9760' W	-	-	-
Spr 122	038° 53.2600' N, 086° 29.9675' W	-	-	-
Spr 123	038° 53.4001' N, 086° 29.9930' W	-	-	-

TABLE 2.2

**THERMAL ANOMALIES IDENTIFIED BY EAGLEVIEW
SSC WORK PLAN ADDENDUM NO. 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>IMAGE</i>	<i>ANOMALY A</i>	<i>ANOMALY B</i>	<i>ANOMALY C</i>	<i>EXISTING SPRINGS</i>
Spr 129	038° 54.6210' N, 086° 29.9943' W	038° 54.6218' N, 086° 29.9863' W	038° 54.6202' N, 086° 29.9781' W	-
Spr 124	038° 53.7902' N, 086° 30.0017' W	-	-	-
Spr 125	038° 54.0551' N, 086° 30.0286' W	-	-	-
Spr 126	038° 55.1215' N, 086° 30.0224' W	-	-	-
Spr 127	038° 55.1887' N, 086° 30.0688' W	038° 55.1807' N, 086° 30.0688' W	-	-
Spr 128	038° 55.2617' N, 086° 30.0289' W	-	-	-
Spr 130	038° 53.6450' N, 086° 30.1272' W	-	-	-
Spr 131	038° 53.7643' N, 086° 30.1422' W	038° 53.7635' N, 086° 30.1501' W	-	-
Spr 132	038° 54.0120' N, 086° 30.1625' W	038° 54.0040' N, 086° 30.1625' W	-	-
Spr 133	038° 53.2883' N, 086° 30.1265' W	-	-	-
Spr 134	038° 52.8857' N, 086° 30.1186' W	038° 52.8601' N, 086° 30.1066' W	038° 52.8732' N, 086° 30.1046' W	-
Spr 135	038° 53.3719' N, 086° 30.2048' W	-	-	-
Spr 136	038° 53.4567' N, 086° 30.3762' W	-	-	-
Spr 137	038° 53.3526' N, 086° 30.3781' W	-	-	-
Spr 138	038° 53.0693' N, 086° 30.3410' W	-	-	-
Spr 139	038° 52.3380' N, 086° 30.2618' W	-	-	-
Spr 140	038° 53.4328' N, 086° 30.3595' W	038° 53.4191' N, 086° 30.3540' W	-	-
Spr 141	038° 53.6048' N, 086° 30.4152' W	038° 53.6003' N, 086° 30.4071' W	-	-
Spr 142	038° 54.1345' N, 086° 30.4152' W	-	-	-
Spr 143	038° 54.7159' N, 086° 30.3960' W	-	-	-
Spr 144	038° 54.7358' N, 086° 30.4419' W	-	-	-
Spr 145	038° 54.2548' N, 086° 30.6517' W	038° 54.2412' N, 086° 30.6496' W	-	-
Spr 146	038° 54.6050' N, 086° 30.6047' W	038° 54.6050' N, 086° 30.5912' W	-	-
Spr 147	038° 54.7949' N, 086° 30.0529' W	-	-	-
Spr 148	038° 52.6709' N, 086° 28.8011' W	-	-	SEEP_001(5012) SPRING 3-001_02_03
Spr 149	038° 53.5181' N, 086° 28.8391' W	-	-	Spring East Side Creek
Spr 150	038° 53.2780' N, 086° 28.5519' W	-	-	SPRING_009(5048)
Spr 151	038° 54.0169' N, 086° 28.3178' W	-	-	-
Spr 152	038° 54.2623' N, 086° 29.0280' W	038° 54.2623' N, 086° 29.0201' W	-	SPRING_1547(5057)
Spr 153	038° 53.7679' N, 086° 29.0171' W	038° 53.7802' N, 086° 29.0178' W	-	SPRING_1469(5050)

TABLE 2.3
SUMMARY OF FIELD VERIFICATION OF THERMAL ANOMALIES
SSC WORK PLAN ADDENDUM NO. 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

IMAGE	LOCATION									COMMENTS
	ANOMALY A			ANOMALY B			ANOMALY C			
	LATITUDE/LONGITUDE	STATE PLANE EAST	STATE PLANE NORTH	LATITUDE/LONGITUDE	STATE PLANE EAST	STATE PLANE NORTH	LATITUDE/LONGITUDE	STATE PLANE EAST	STATE PLANE NORTH	
Spr 1	038° 52.9155' N, 086° 28.1752' W	3127465.40	1324038.53	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 2	038° 52.8837' N, 086° 28.1903' W	3127395.06	1323845.02	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 3	038° 52.1074' N, 086° 27.9343' W	3128641.56	1319140.97	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 4	038° 52.5519' N, 086° 28.2436' W	3127155.69	1321829.25	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 5	038° 52.5856' N, 086° 28.2360' W	3127190.38	1322034.06	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 6	038° 53.1033' N, 086° 28.3190' W	3126775.50	1325173.93	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 7	038° 53.8204' N, 086° 28.3734' W	3126488.29	1329525.10	038° 53.8118' N, 086° 28.3740' W	3126485.79	1329472.88	-	-	-	Outside of Study Area: Parcel 28
Spr 8	038° 55.0807' N, 086° 28.6646' W	3125056.19	1337166.12	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 9	038° 54.1578' N, 086° 28.1607' W	3127483.46	1331579.94	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 10	038° 54.0693' N, 086° 28.3882' W	3126407.98	1331035.49	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 11	038° 52.1710' N, 086° 28.3663' W	3126588.95	1319513.24	038° 52.1588' N, 086° 28.3630' W	3126605.10	1319439.29	038° 52.1460' N, 086° 28.3664' W	3126589.49	1319361.48	Outside of Study Area: No access to private property.
Spr 12	038° 53.9149' N, 086° 28.4800' W	3125978.80	1330095.35	-	-	-	-	-	-	Existing = Spring 1572
Spr 13	038° 53.7043' N, 086° 28.6095' W	3125373.03	1328812.89	-	-	-	-	-	-	Existing = Spring 028-002
Spr 14	038° 53.6956' N, 086° 28.5715' W	3125553.64	1328761.28	-	-	-	-	-	-	Existing = Spring 028-001
Spr 15	038° 52.9668' N, 086° 28.6415' W	3125250.96	1324335.15	038° 52.9674' N, 086° 28.6612' W	3125157.46	1324338.17	038° 52.9430' N, 086° 28.6523' W	3125200.68	1324190.34	Unable to detect springs in general area due to flowing water within creek
Spr 16	038° 52.2802' N, 086° 28.7300' W	3124858.67	1320164.61	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 17	038° 52.0440' N, 086° 28.7065' W	3124979.68	1318731.59	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 18	038° 51.9812' N, 086° 28.6967' W	3125028.72	1318350.69	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 19	038° 51.9472' N, 086° 28.7454' W	3124798.97	1318142.78	038° 51.9532' N, 086° 28.7494' W	3124779.75	1318179.07	038° 51.9545' N, 086° 28.7416' W	3124816.71	1318187.21	Outside of Study Area: No access to private property.
Spr 20	038° 52.6334' N, 086° 28.8104' W	3124462.99	1322306.06	038° 52.6491' N, 086° 28.8110' W	3124459.51	1322401.34	-	-	-	"A" identified as New spring = Spring 201-001 . "B" not verified.
Spr 21	038° 52.9295' N, 086° 28.7981' W	3124509.47	1324103.81	-	-	-	-	-	-	Existing = Eastern Seep Area 01 (now collected as SSC System C). Duplicate of Spr 32 and Spr 64 A.
Spr 22	038° 53.0056' N, 086° 28.8030' W	3124483.17	1324565.60	-	-	-	-	-	-	Existing = Spring A (now collected as SSC System A)
Spr 23	038° 53.0226' N, 086° 28.8023' W	3124485.81	1324668.81	-	-	-	-	-	-	Existing = Spring East of Storm Pond & Spring East of Storm Pond -2 (now collected as SSC System B). Same as Spr 63
Spr 24	038° 53.3926' N, 086° 28.7317' W	3124805.88	1326916.98	038° 53.4049' N, 086° 28.7382' W	3124774.55	1326991.44	-	-	-	"B" is flow from existing Spring 1459 ; "A" is a drainage ditch where no flow was observed.
Spr 25	038° 53.4225' N, 086° 28.7267' W	3124828.40	1327098.63	-	-	-	-	-	-	Existing = Spring 1459
Spr 26	038° 53.7237' N, 086° 28.7074' W	3124907.84	1328927.57	-	-	-	-	-	-	Appears to be discharge related to Spring 028-001 and Spring 028-002
Spr 27	038° 54.2064' N, 086° 28.6928' W	3124957.67	1331858.09	-	-	-	-	-	-	Outside of Study Area: No access to private property. Appears to be a dry ditch.
Spr 28	038° 54.3223' N, 086° 28.6714' W	3125054.50	1332562.29	038° 54.3198' N, 086° 28.6593' W	3125111.99	1332547.50	-	-	-	Outside of Study Area: No access to private property. Appears to be a dry ditch.
Spr 29	038° 54.3596' N, 086° 28.6926' W	3124952.45	1332788.04	-	-	-	-	-	-	Outside of Study Area: No access to private property. Appears to be a dry ditch.
Spr 30	038° 54.6576' N, 086° 28.7048' W	3124882.59	1334596.57	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 31	038° 55.0185' N, 086° 28.6709' W	3125028.82	1336788.36	038° 52.9275' N, 086° 28.7215' W	3124872.98	1324094.0748] - see note	-	-	-	Outside of Study Area: No access to private property. "B" Anomaly should belong to Spr 32.
Spr 32	038° 52.9275' N, 086° 28.7337' W	3124815.09	1324093.69	038° 52.9275' N, 086° 28.7215' W	3124872.98	1324094.07	-	-	-	"A" = Existing Eastern Seep Area 01 (now collected as SSC System D); "B" appears to be the discharge water. Duplicate of Spr 21
Spr 33	038° 52.6671' N, 086° 28.6815' W	3125073.24	1322514.67	038° 52.6541' N, 086° 28.6945' W	3125012.08	1322435.35	-	-	-	"A" is a generator. "B" is flow from existing Seep 001 .
Spr 34	038° 53.3532' N, 086° 28.9708' W	3126670.32	1326670.32	038° 53.3532' N, 086° 28.9708' W	3126670.32	1326670.32	038° 53.3532' N, 086° 28.9708' W	3126673.16	1326670.32	Existing = Spring 1452
Spr 35	038° 53.5585' N, 086° 28.9256' W	3123879.39	1327917.94	038° 53.5460' N, 086° 28.9202' W	3123905.50	1327842.23	-	-	-	"A" is existing Spring 734 ; "B" appears to be the discharge from "B".
Spr 36	038° 53.7237' N, 086° 28.9256' W	3123872.78	1328920.72	-	-	-	-	-	-	Flow in creek, no spring observed.
Spr 37	038° 54.5816' N, 086° 28.8368' W	3124259.61	1334131.09	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 38	038° 54.7667' N, 086° 28.9211' W	3123852.40	1335252.04	038° 54.7781' N, 086° 28.9374' W	3123774.64	1335320.73	038° 54.7807' N, 086° 28.9351' W	3123785.44	1335336.59	Outside of Study Area: No access to private property.
Spr 39	038° 54.7470' N, 086° 29.3316' W	3121906.38	1335119.70	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 40	038° 54.4900' N, 086° 29.1265' W	3122889.30	1333566.02	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 41	038° 54.2567' N, 086° 28.9305' W	3123828.22	1332155.96	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 42	038° 53.0269' N, 086° 28.8576' W	3124223.27	1324693.18	-	-	-	-	-	-	Generator
Spr 43	038° 53.7332' N, 086° 28.7845' W	3124541.72	1328982.81	-	-	-	-	-	-	New Spring 028-003 located near the discharge of Spring 028-001 and Spring 028-002
Spr 44	038° 54.0633' N, 086° 28.7308' W	3124783.18	1330988.25	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 45	038° 55.0872' N, 086° 29.0496' W	3123230.20	1337193.52	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 46	038° 54.9503' N, 086° 29.2307' W	3122376.84	1336356.88	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 47	038° 54.6556' N, 086° 29.4163' W	3121508.30	1334562.27	038° 54.6590' N, 086° 29.4158' W	3121510.54	1334582.92	-	-	-	Outside of Study Area: No access to private property.
Spr 48	038° 54.3482' N, 086° 29.3365' W	3121898.92	1332698.76	-	-	-	-	-	-	No access to private property
Spr 49	038° 54.0818' N, 086° 29.2936' W	3122112.94	1331083.00	038° 54.0815' N, 086° 29.2820' W	3122167.97	1331081.54	-	-	-	"A" is dry (re-worked); "B" is existing SPRING 1556 .
Spr 50	038° 53.7350' N, 086° 29.2890' W	3122148.49	1328978.01	-	-	-	-	-	-	New Spring 027-003 located upgradient of existing Spring 1468 . See Note 1
Spr 51	038° 53.1909' N, 086° 29.3200' W	3122022.96	1325674.29	-	-	-	-	-	-	Dry ravine - no spring observed
Spr 52	038° 53.1813' N, 086° 29.2848' W	3122190.34	1325617.11	-	-	-	-	-	-	Dry ravine - no spring observed
Spr 53	038° 53.5824' N, 086° 29.2260' W	3122453.39	1328053.66	-	-	-	-	-	-	Dry drainage ditch
Spr 54	038° 54.2464' N, 086° 29.2096' W	3122504.84	1332084.75	-	-	-	-	-	-	Area under construction - unable to verify
Spr 55	038° 54.3504' N, 086° 29.2592' W	3122265.46	1332714.51	-	-	-	-	-	-	Dry drainage ditch
Spr 56	038° 54.7436' N, 086° 29.2253' W	3122410.65	1335102.35	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 57	038° 54.4979' N, 086° 29.2410' W	3122345.93	1333610.42	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 58	038° 54.2041' N, 086° 29.1876' W	3122610.87	1331828.67	038° 54.1912' N, 086° 29.1741' W	3122675.41	1331750.78	-	-	-	"A" appears to be same as Spr 54 - Area under construction. Unable to verify.
Spr 59	038° 53.5543' N, 086° 29.1196' W	3122959.25	1327886.40	-	-	-	-	-	-	Dry drainage ditch
Spr 60	038° 53.1198' N, 086° 29.1238' W	3122956.61	1325248.79	-	-	-	-	-	-	New Spring 389-001 . An additional spring was also noted in this area = Spring 389-002
Spr 61	038° 53.8154' N, 086° 28.9752' W	3123633.83	1329475.81	038° 53.8150' N, 086° 28.9551' W	3123729.19	1329474.01	-	-	-	"A" is dry. "B" is low-lying area (dry)
Spr 62	038° 54.8881' N, 086° 28.7995' W	3124424.21	1335992.77	038° 54.8802' N, 086° 28.7815' W	3124509.88	1335945.38	-	-	-	Outside of Study Area: No access to private property.
Spr 63	038° 52.9867' N, 086° 28.7249' W	3124453.32	1324453.32	038° 52.9861' N, 086° 28.7127' W	3124912.37	1324450.06	038° 52.9989' N, 086° 28.7252' W	3124852.55	1324527.37	"A" is same as Spr 23; "B" = existing Spring F and Spring G ; "C" = existing Spring East of Storm Pond 1 and 2
Spr 64	038° 52.8910' N, 086° 28.7284' W	3124841.71	1323872.30	038° 52.8861' N, 086° 28.7041' W	3124957.20	1323843.32	038° 52.8813' N, 086° 28.7042' W	3124956.92	1323814.18	"A" = Existing Eastern Seep Area 01 (SSC System C); "B & C" = Existing Eastern Seep Area 02 (SSC System D & H). Spr 21 and Spr 32
Spr 65	038° 52.7115' N, 086° 28.3991' W	3126411.38	1322793.10	-	-	-	-	-	-	No access to private property
Spr 66	038° 54.1625' N, 086° 28.2159' W	3127221.45	1331606.71	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 67	038° 54.2056' N, 086° 28.2366' W	3127121.51	1331867.68	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 68	038° 54.4122' N, 086° 28.1992' W	3127290.47	1333122.96	-	-	-	-	-	-	Outside of Study Area: No access to private property.

TABLE 2.3
SUMMARY OF FIELD VERIFICATION OF THERMAL ANOMALIES
SSC WORK PLAN ADDENDUM NO. 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

IMAGE	LOCATION									COMMENTS
	ANOMALY A			ANOMALY B			ANOMALY C			
	LATITUDE/LONGITUDE	STATE PLANE EAST	STATE PLANE NORTH	LATITUDE/LONGITUDE	STATE PLANE EAST	STATE PLANE NORTH	LATITUDE/LONGITUDE	STATE PLANE EAST	STATE PLANE NORTH	
Spr 69	038° 54.4402' N, 086° 28.2045' W	3127264.19	1333292.76	038° 54.4271' N, 086° 28.2035' W	3127269.46	1333213.27	-	-	-	Outside of Study Area: No access to private property.
Spr 70	038° 54.8233' N, 086° 28.2055' W	3127243.81	1335618.21	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 71	038° 54.6051' N, 086° 28.6014' W	3125375.09	1334281.14	038° 54.6031' N, 086° 28.6141' W	3125314.94	1334268.60	-	-	-	Outside of Study Area: No access to private property.
Spr 72	038° 54.5143' N, 086° 28.6117' W	3125329.91	-	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 73	038° 53.2743' N, 086° 28.4209' W	3126285.12	1326208.69	-	-	-	-	-	-	Identified as new Spring 019-001 . See Note 2
Spr 74	038° 54.6944' N, 086° 28.4380' W	3126146.42	1334828.37	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 75	038° 54.7006' N, 086° 28.4908' W	3125895.76	1334864.34	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 76	038° 52.5204' N, 086° 28.7299' W	3124849.49	1321622.66	-	-	-	-	-	-	Discharge Pipe from under road. Surface water flowed into a swallet just downstream during verification.
Spr 77	038° 52.3858' N, 086° 28.7128' W	3124936.04	1320806.16	-	-	-	-	-	-	Outside of Study Area: Dye Trace Location = 614 6th Street
Spr 78	038° 52.1500' N, 086° 28.7046' W	3124984.44	1319375.08	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 79	038° 52.0932' N, 086° 28.7187' W	3124919.81	1319029.86	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 80	038° 53.3552' N, 086° 29.0896' W	3123109.49	1326678.76	-	-	-	-	-	-	Existing = Spring 074-002 . Same as Spr 83?
Spr 81	038° 54.0229' N, 086° 29.0381' W	3123327.19	1330733.40	-	-	-	-	-	-	Area under construction - unable to verify
Spr 82	038° 53.5057' N, 086° 29.0841' W	3123129.59	1327592.49	-	-	-	-	-	-	Dry creek bed
Spr 83	038° 53.3650' N, 086° 29.1551' W	3122798.37	1326736.21	-	-	-	-	-	-	Same as Spr 80?
Spr 84	038° 54.5800' N, 086° 29.0107' W	3123434.92	1334115.94	038° 54.5910' N, 086° 29.0120' W	3123428.32	1334182.67	-	-	-	Outside of Study Area: No access to private property.
Spr 85	038° 55.0281' N, 086° 29.1401' W	3122803.39	1336831.96	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 86	038° 54.7088' N, 086° 29.5035' W	3121092.65	1334882.51	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 87	038° 54.3581' N, 086° 29.4767' W	3121233.57	1332754.53	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 88	038° 54.1962' N, 086° 29.4720' W	3121262.24	1331771.92	-	-	-	-	-	-	Ravine (dry)
Spr 89	038° 54.0283' N, 086° 29.4549' W	3121349.96	1330753.27	-	-	-	-	-	-	Pond. Unable to verify spring
Spr 90	038° 53.2099' N, 086° 29.4470' W	3121419.70	1325785.71	-	-	-	-	-	-	No access to private property
Spr 91	038° 54.0209' N, 086° 29.5759' W	3120776.31	1330704.63	-	-	-	-	-	-	Low-lying area - no water
Spr 92	038° 53.0504' N, 086° 29.7552' W	3119963.76	1324808.07	-	-	-	-	-	-	No access to private property
Spr 93	038° 52.9405' N, 086° 29.6782' W	3120333.38	1324143.32	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 94	038° 52.3046' N, 086° 28.5301' W	3125806.26	1320319.02	038° 52.3120' N, 086° 28.5340' W	3125787.45	1320363.82	-	-	-	Outside of Study Area: No access to private property.
Spr 95	038° 53.1426' N, 086° 30.5774' W	3116059.41	1325342.92	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 96	038° 52.7670' N, 086° 30.7846' W	3115090.64	1323056.82	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 97	038° 52.0188' N, 086° 30.1044' W	3118346.92	1318535.52	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 98	038° 54.6100' N, 086° 29.5699' W	3120781.63	1334280.74	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 99	038° 54.5123' N, 086° 29.6112' W	3120589.59	1333686.42	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 100	038° 54.2163' N, 086° 29.6492' W	3120420.97	1331888.49	-	-	-	-	-	-	No visible signs of seep or spring
Spr 101	038° 52.8886' N, 086° 29.5653' W	3120871.07	1323831.74	-	-	-	-	-	-	Sewage Left Station
Spr 102	038° 52.9200' N, 086° 29.5878' W	3120763.09	1324021.65	038° 52.9441' N, 086° 29.5951' W	3120727.51	1324167.71	-	-	-	Outside of Study Area: No access to private property.
Spr 103	038° 53.6428' N, 086° 29.6107' W	3120626.08	1328408.44	-	-	-	-	-	-	Outside of Study Area: No access to private property. Existing = Spring 5055 . See Note 3
Spr 104	038° 54.0813' N, 086° 29.5671' W	3120815.68	1331071.54	-	-	-	-	-	-	Outside of Study Area.
Spr 105	038° 54.1314' N, 086° 29.5181' W	3121046.13	1331377.16	-	-	-	-	-	-	Drainage from Pond. Outside of Study Area
Spr 106	038° 54.5529' N, 086° 29.5136' W	3121050.89	1333935.87	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 107	038° 54.4771' N, 086° 29.8205' W	3119598.30	1333466.35	-	-	-	-	-	-	Existing = Spring 910
Spr 108	038° 53.5381' N, 086° 29.8501' W	3119494.51	1327765.58	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 109	038° 53.2939' N, 086° 29.8477' W	3119515.41	1326283.33	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 110	038° 54.8098' N, 086° 29.5660' W	3120792.27	1335493.68	038° 54.7988' N, 086° 29.5550' W	3120844.87	1335427.25	-	-	-	Outside of Study Area: No access to private property.
Spr 111	038° 54.7832' N, 086° 29.7648' W	3119850.51	1335326.13	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 112	038° 54.1990' N, 086° 29.7979' W	3119716.35	1331778.93	-	-	-	-	-	-	No visible signs of seep or spring
Spr 113	038° 52.9491' N, 086° 29.7450' W	3120016.11	1324193.47	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 114	038° 52.8347' N, 086° 29.7431' W	3120029.60	1323499.11	038° 52.8459' N, 086° 29.7425' W	3120032.01	1323567.11	-	-	-	Discharge from pond on Parcel 60
Spr 115	038° 52.8231' N, 086° 29.7411' W	3120039.54	1323428.76	-	-	-	-	-	-	Discharge from pond on Parcel 60 = same anomaly as Spr 114 "A"
Spr 116	038° 53.7736' N, 086° 29.8065' W	3119692.16	1329196.43	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 117	038° 54.8294' N, 086° 29.7825' W	3119764.77	1335606.03	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 118	038° 55.0288' N, 086° 29.7813' W	3119762.67	1336816.46	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 119	038° 53.9190' N, 086° 29.8714' W	3119378.63	1330077.05	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 120	038° 53.1470' N, 086° 29.9770' W	3118907.70	1325387.69	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 121	038° 53.1853' N, 086° 29.9760' W	3118910.96	1325620.21	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 122	038° 53.2600' N, 086° 29.9675' W	3118948.39	1326073.91	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 123	038° 53.4001' N, 086° 29.9930' W	3118821.97	1326923.56	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 124	038° 54.6210' N, 086° 29.9943' W	3118768.42	1334334.56	038° 54.6218' N, 086° 29.9863' W	3118806.32	1334339.66	038° 54.6202' N, 086° 29.9781' W	3118845.28	1334330.20	Outside of Study Area: No access to private property.
Spr 125	038° 53.7902' N, 086° 30.0017' W	3118765.57	1329291.25	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 126	038° 54.0551' N, 086° 30.0286' W	3118627.69	1330898.42	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 127	038° 55.1215' N, 086° 30.0224' W	3118615.73	1337371.83	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 128	038° 55.1887' N, 086° 30.0688' W	3118393.09	1337778.34	038° 55.1807' N, 086° 30.0688' W	3118393.40	1337729.77	-	-	-	Outside of Study Area: No access to private property.
Spr 129	038° 55.2617' N, 086° 30.0289' W	3118579.47	1338222.67	-	-	-	-	-	-	Only "A" shown on image (original coordinates listed are for Spr 124). Existing = Spring 040-001
Spr 130	038° 53.6450' N, 086° 30.1272' W	3118175.86	1328406.07	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 131	038° 53.7643' N, 086° 30.1422' W	3118100.09	1329129.79	038° 53.7635' N, 086° 30.1501' W	3118062.65	1329124.69	-	-	-	Outside of Study Area: No access to private property.
Spr 132	038° 54.0120' N, 086° 30.1625' W	3117994.23	1330632.75	038° 54.0040' N, 086° 30.1625' W	3117994.54	1330584.19	-	-	-	Outside of Study Area: No access to private property.
Spr 133	038° 53.2883' N, 086° 30.1265' W	3118192.97	1326240.87	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 134	038° 52.8857' N, 086° 30.1186' W	3118246.02	1323797.28	038° 52.8601' N, 086° 30.1066' W	3118303.94	1323642.25	038° 52.8732' N, 086° 30.1046' W	3118312.93	1323721.82	Outside of Study Area: No access to private property.
Spr 135	038° 53.3719' N, 086° 30.2048' W	3117818.28	1326745.98	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 136	038° 53.4567' N, 086° 30.3762' W	3117001.90	1327255.57	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 137	038° 53.3526' N, 086° 30.3781' W	3116996.88	1326623.61	-	-	-	-	-	-	Outside of Study Area: No access to private property.

TABLE 2.3
SUMMARY OF FIELD VERIFICATION OF THERMAL ANOMALIES
SSC WORK PLAN ADDENDUM NO. 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

IMAGE	LOCATION									COMMENTS
	ANOMALY A			ANOMALY B			ANOMALY C			
	LATITUDE/LONGITUDE	STATE PLANE EAST	STATE PLANE NORTH	LATITUDE/LONGITUDE	STATE PLANE EAST	STATE PLANE NORTH	LATITUDE/LONGITUDE	STATE PLANE EAST	STATE PLANE NORTH	
Spr 138	038° 53.0693' N, 086° 30.3410' W	3117183.77	1324905.05	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 139	038° 52.3380' N, 086° 30.2618' W	3117587.68	1320468.35	-	-	-	-	-	-	Outside of Study Area: No access to private property.
Spr 140	038° 53.4328' N, 086° 30.3595' W	3117082.04	1327110.99	038° 53.4191' N, 086° 30.3540' W	3117108.66	1327028.00	-	-	-	Outside of Study Area: No access to private property.
Spr 141	038° 53.6048' N, 086° 30.4152' W	3116811.21	1328153.39	038° 53.6003' N, 086° 30.4071' W	3116849.81	1328126.31	-	-	-	Outside of Study Area: No access to private property.
Spr 142	038° 54.1345' N, 086° 30.4152' W	3116790.90	1331368.74	-	-	-	-	-	-	Wetland Drainage Area
Spr 143	038° 54.7159' N, 086° 30.3960' W	3116859.65	1334898.51	-	-	-	-	-	-	Existing Spring 040-007
Spr 144	038° 54.7358' N, 086° 30.4419' W	3116641.21	1335017.93	-	-	-	-	-	-	No visible signs of seep or spring
Spr 145	038° 54.2548' N, 086° 30.6517' W	3115664.55	1332091.92	038° 54.2412' N, 086° 30.6496' W	3115675.03	1332009.43	-	-	-	Low-lying area in field
Spr 146	038° 54.6050' N, 086° 30.6047' W	3115874.12	1334219.08	038° 54.6050' N, 086° 30.5912' W	3115938.14	1334219.49	-	-	-	No observable spring at "A". "B" is a large depression - dry at time of visit
Spr 147	038° 54.7949' N, 086° 30.0529' W	3118483.75	1335388.39	-	-	-	-	-	-	Drainage from Pond
Spr 148	038° 52.6709' N, 086° 28.8011' W	3124505.61	1322533.98	-	-	-	-	-	-	Plant discharge water at Outfall #002
Spr 149	038° 53.5181' N, 086° 28.8391' W	3124291.35	1327675.41	-	-	-	-	-	-	Existing = Spring East Side Creek
Spr 150	038° 53.2780' N, 086° 28.5519' W	3125663.49	1326227.00	-	-	-	-	-	-	Existing Spring 009
Spr 151	038° 54.0169' N, 086° 28.3178' W	3126744.04	1330719.65	-	-	-	-	-	-	New Spring 031-002
Spr 152	038° 54.2623' N, 086° 29.0280' W	3123365.55	1332186.91	038° 54.2623' N, 086° 29.0201' W	3123403.02	1332187.16	-	-	-	"A" Existing Spring 1549 ; "B" Existing Spring 1547
Spr 153	038° 53.7679' N, 086° 29.0171' W	3123436.97	1329186.17	038° 53.7802' N, 086° 29.0178' W	3123433.16	1329260.81	-	-	-	Existing = Spring 1469

NOTES

- (1) Sampling at Spring 1468 includes this water.
- (2) This spring is located on an unimpacted tributary to Bailey's Branch.
- (3) This spring is located in a separate drainage basin and was sampled at the request of the property owner.

TABLE 3.1

PROPOSED STATUS OF SEEPS AND SPRINGS
SSC WORK PLAN ADDENDUM NO. 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

I. SEEPS/SPRINGS PROPOSED FOR REMOVAL FROM SSC MONITORING PROGRAM

A) SEEPS/SPRINGS COVERED DURING CREEK RESTORATION ACTIVITIES

<u>PARCEL</u>	<u>SEEP/SPRING NAME</u>
P004	4-1
P004	4-2
P004	4-3
P004	6-1A
P005	5-1
P006	6-1
P006	6-2
P006	6-3
P008	8-1
P008	8-2
P010	10-1A
P010	Spring 004
P011	11-1
P011	11-2
P011	11-2A
P011	11-3
P013	Spring 013-001
P013	Spring 013-002
P036	Spring 020
P205	205-1

B) SEEPS/SPRINGS WITH NON-DETECT RESULTS FOR FOUR HIGH AND LOW-FLOW EVENTS

<u>PARCEL</u>	<u>SEEP/SPRING NAME</u>
P003	Spring 1590
P020/P296	Spring 009
P028	Spring 028-001
P028	Spring 028-002
P074	Spring 074-002
P074	Spring 1452
P292	Spring 1459

C) SPRING 018 AREA

<u>PARCEL</u>	<u>SEEP/SPRING NAME</u>
P015	Spring 018C ⁽¹⁾
P021	Spring 018
P021	Spring 018B ⁽²⁾
P021	Spring 021-002
P021	Spring 021-003
P021	Spring 021-004
P021	Spring 021-005

TABLE 3.1

PROPOSED STATUS OF SEEPS AND SPRINGS
SSC WORK PLAN ADDENDUM NO. 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

I. SEEPS/SPRINGS PROPOSED FOR REMOVAL FROM SSC MONITORING PROGRAM (CONTINUED)

D) FORMER SEEPS/SPRINGS COLLECTED IN SSC SYSTEMS

<u>PARCEL</u>	<u>SEEP/SPRING NAME</u>
A004	NA004 Sump A
A004	NA004 Sump B
A004	Spring A
A004	Spring B
A004	Spring C
A004	Spring D
A004	Spring E
A004	Spring F
A004	Spring G
A004	Spring H
A004	Spring I
A004	Spring J
A004	Spring K
A004	Spring L
A004	Spring M
A004	Spring N
A004 P216_west	SW-X216Y274
A004/P401	Spring NAOI4/P401
A010	Eastern Seep Area 01
A010	Eastern Seep Area 02
A010 P216_west	Spring East of Storm Pond
A010 P216_west	Spring East of Storm Pond-2
P003	Seep 001
P003	Spring 3-001
P003	Spring 3-003
P201	Spring 201-001
P201	Spring 201-002
P201	Spring 201-003

E) SEEPS/SPRINGS DRY FOR FOUR LOW AND HIGH-FLOW EVENTS

<u>PARCEL</u>	<u>SEEP/SPRING NAME</u>
P015	Spring 015-001
P015	Spring 015-003
P015	Spring 015-005
P023	Spring East Side Creek
P025	Spring 734
P027	Spring 1468
P027	Spring 1469
P031	Spring 1572
P036	Spring 1549
P039	Spring 910
P040	Spring 040-001
P040	Spring 040-002
P040	Spring 040-003
P040	Spring 040-007
P072	Spring 1547

TABLE 3.1

PROPOSED STATUS OF SEEPS AND SPRINGS
SSC WORK PLAN ADDENDUM NO. 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

F) COLLECTION SYSTEMS BURIED DURING COVER SYSTEM CONSTRUCTION⁽³⁾

<u>PARCEL</u>	<u>SEEP/SPRING NAME</u>
A004	SSC System A
A004	SSC System C
A004	SSC System D
A004	SSC System E
A004	SSC System F
A004	SSC System H
-	SSC System I
-	SSC System J-M

II. SEEPS/SPRINGS PROPOSED FOR CONTINUED MONITORING IN THE SSC MONITORING PROGRAM

<u>PARCEL</u>	<u>SEEP/SPRING NAME</u>
P008	8-1A
P008	8-3
P008	Parcel 008 Sump ⁽⁴⁾
P013	Spring 013-003
P015	Seep 002
P015	Spring 015-002
P015	Spring 015-004
P015	Spring 015-006
P015	Spring 015-007
P015	Spring 015-008
P019	Spring 019-001
P020	Spring 020-002
P021	Spring 021-006
P021	Spring 021-007
P021	Spring 022-002
P021	Spring 022-003
P021	Spring 022-004
P021	Spring 022-005
P021	Spring 022-006
P022	Spring Well 1
P027	Spring 027-003 ⁽⁵⁾
P028	Spring 028-003
P031	Spring 031-002
P036	Spring 1556
P038	Spring 021 ⁽⁶⁾
P216	Spring 216-001
P384/P386	Seep 5013A
P384/P386	Seep 5013B
P386	Spring 386-001
P389	Spring 389-001
P389	Spring 389-002

TABLE 3.1

PROPOSED STATUS OF SEEPS AND SPRINGS
SSC WORK PLAN ADDENDUM NO. 6
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

III. SEEPS/SPRINGS PROPOSED TO BE SAMPLED QUARTERLY

<u>PARCEL</u>	<u>SEEP/SPRING NAME</u>
A004	SSC System B
A004	SSC System G
A004	Wet Well 3
A004/P401	NAOI4/P401 Sump
P003	Wet Well 1
P003	Wet Well 2
P201	Spring 201-001 Sump
P201	Spring 201-002 Sump
P201	Spring 201-003 Sump

Notes:

- (1) Due to the ongoing investigation at Spring 018C, samples at this location are being collected on a regular (approximately monthly) basis. The characterization and investigation activities at this location are being tracked as an individual project.
- (2) No samples were collected at this location under the SSC Seeps and Spring Monitoring Program. The location was excavated between events.
- (3) Samples will be collected from these collection systems until construction of the East Plant Area Cover System prevents access.
- (4) Formerly '8-3 Sump'.
- (5) Due to close proximity to Spring 1468, samples are not collected from Spring 027-003.
- (6) Only two additional samples to be collected from this location.

APPENDIX A

ANALYTICAL DATA - IDENTIFIED SEEP/SPRING LOCATIONS

