

GM CET BEDFORD FACILITY BEDFORD, INDIANA

SM CET BEDFORD FACILITY, BEDFORD, INDIANA

Public Information Session December 9, 2015



- Facility located on 152.5 acres and is approximately 1,000,000 square feet of manufacturing footprint
 - Approximately 719 employees

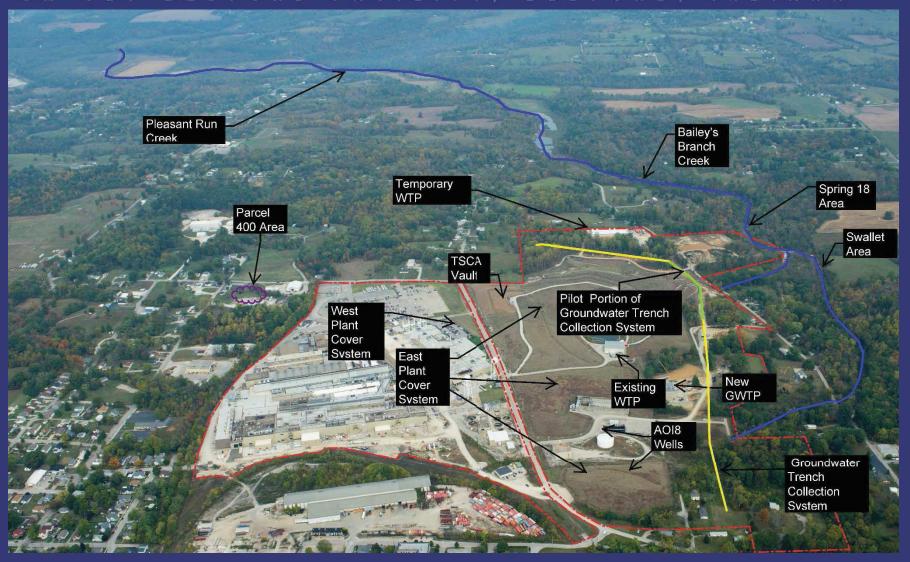


- GM CET BEDFORD FACILITY, BEDFORD, INDIANA
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Removal Action (RA)
 - Bailey's Branch and Pleasant Run PCB cleanup of creek sediments and floodplain soil
 - RA Elements:
 - Control of impacted springs and seeps along creek
 - Removal of floodplain soil to 1.8 ppm and sediment to 1 ppm in the creek (removal is complete)
 - Monitoring continues for large spring on Baileys Branch and
 - Creek and floodplain restoration completed in August 2014
- RCRA Corrective Action
 - GM LLC and USEPA entered into an AOC for those areas which GM LLC is responsible.



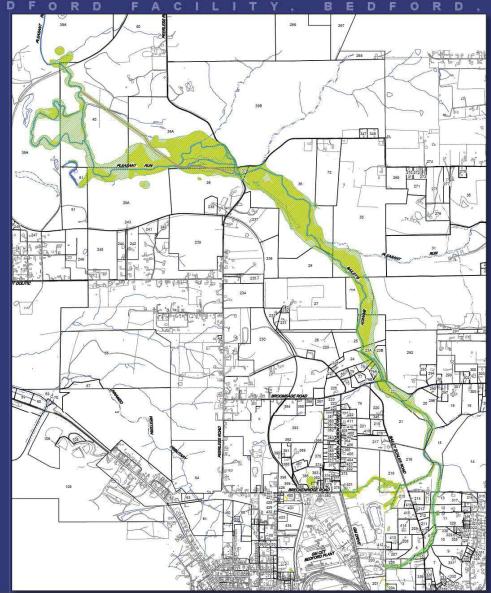
GM BEDFORD REMEDIATION PROEJCT

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REMOVAL ACTION STATUS





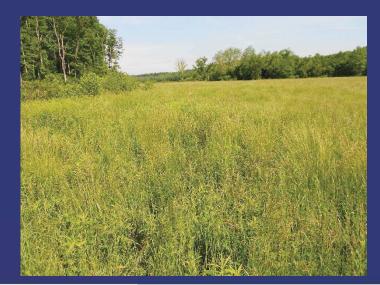
INSPECTION OF DOWNSTREAM PARCELS

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- Downstream monitoring and maintenance conducted in May and October 2015
- Restoration doing well









CREEK REMEDIATION/RESTORATION STATUS WEST OF BAILEY SCALES ROAD

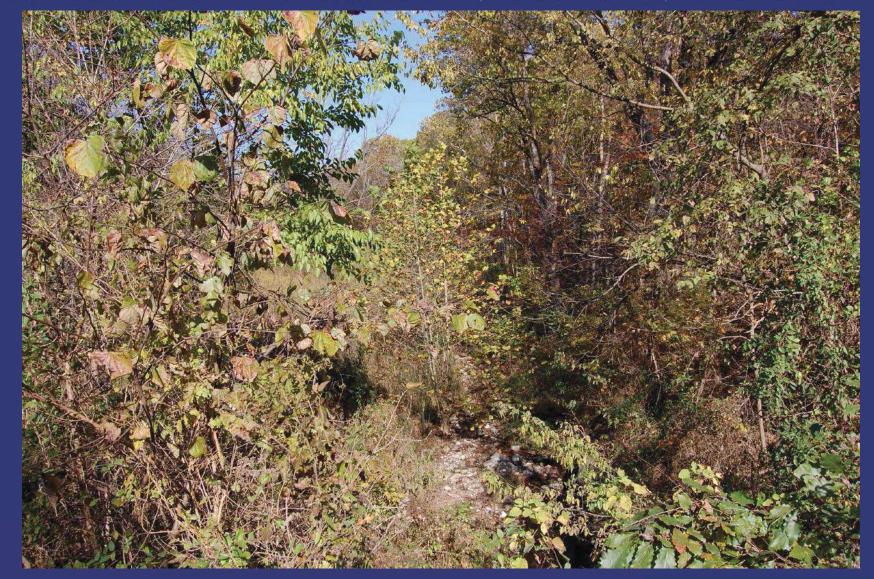
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CREEK REMEDIATION/RESTORATION STATUS EAST OF BAILEY SCALES ROAD

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CREEK REMEDIATION/RESTORATION STATUS

PARCEL 22

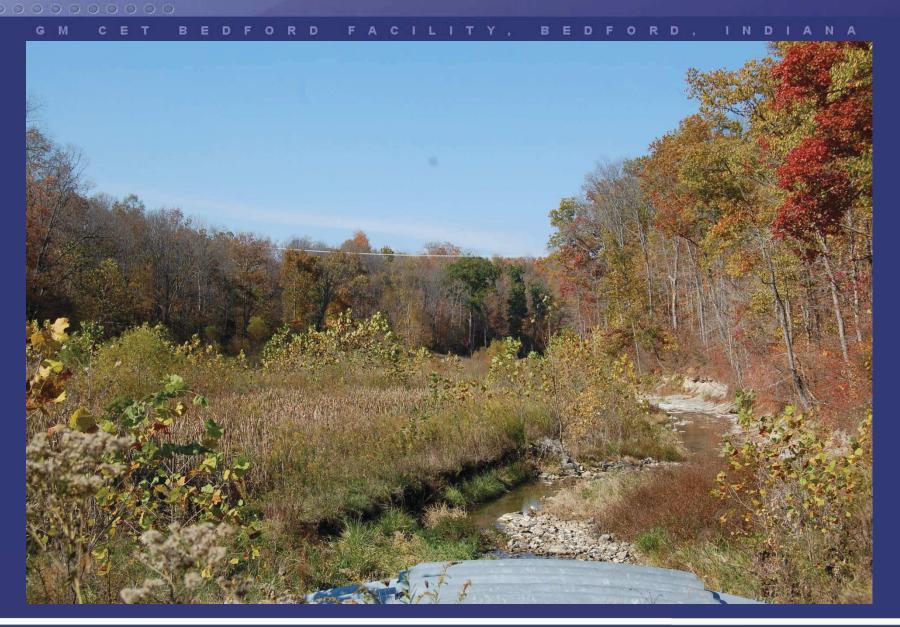
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CREEK REMEDIATION/RESTORATION STATUS

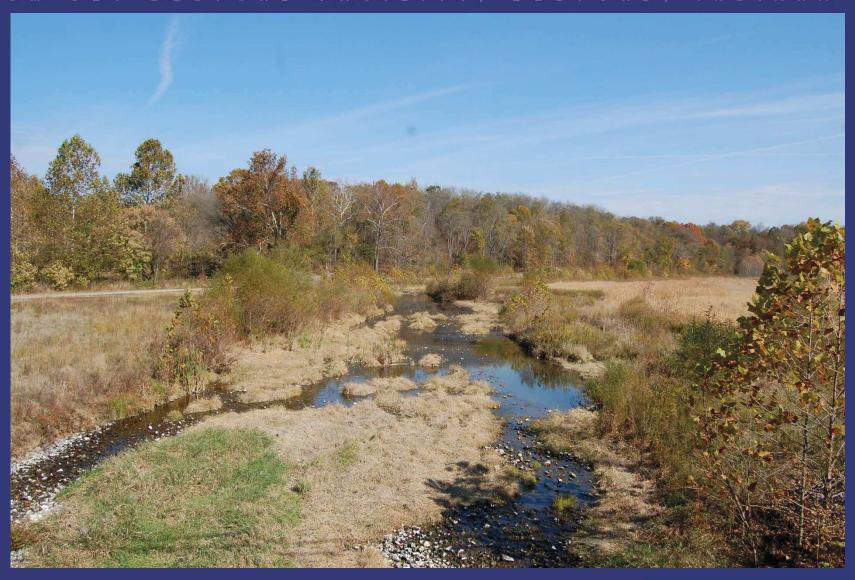
PARCEL 76





CREEK REMEDIATION/RESTORATION STATUS PARCEL 36

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COVER SYSTEM MONITORING AND MAINTENANCE

- GM conducts quarterly inspections of the cover system
- Inspections found:
 - Tree saplings which were removed when found (primarily in ditches and adjacent to wooded areas)
 - Riprap washout in diversion channel (repaired with larger riprap)
 - Minor asphalt cracks (repairs planned following construction completion of GWTP and Pilot Trench)







VAULT OPERATIONS, MONITORING & MAINTENANCE

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- Monitoring of the gravel underdrain system, leak detection system and leachate collection systems continues
 - Not enough water to collect monthly samples from the LDS in December 2014 through June 2015, and again in August 2015
- Vault Annual Report for 2014 submitted on July 15, 2015







SSC OPERATION AND MAINTENANCE

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 Operation of the Site Source Control (SSC) System continues









WATER TREATMENT PLANT OPERATIONS

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- SSC water and storm pond water treatment continues
- Continue to address algae fouling phoslock was applied in June 2015
- Installed additional bag filters prior to carbon units
- Installed components to backwash filter media using treated groundwater





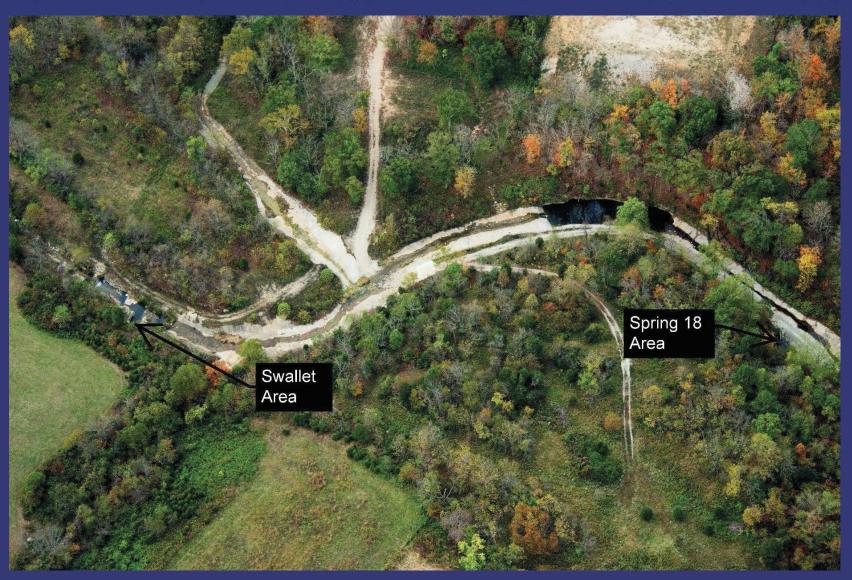




ADDITIONAL CREEK WORK

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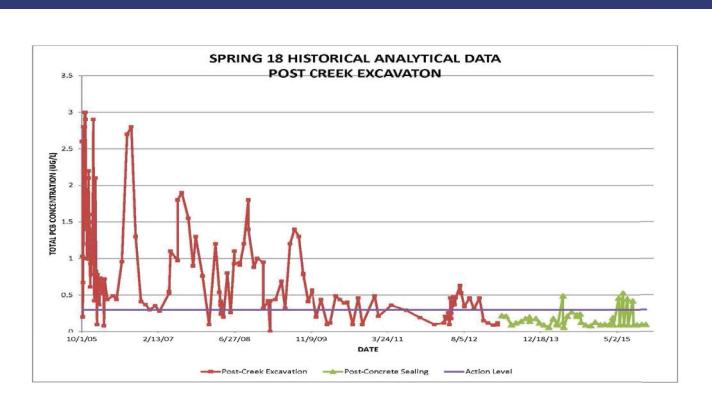
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SPRING 18 MONITORING

- Continue to collect monthly quarterly opportunistic samples from Spring 18 and analyze for PCBs
- No opportunistic samples were collected during the 3rd quarter of 2015
- 12-month rolling average (December 2014 November 2015) = 0.18 ug/L







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Additional sealing of cracks in the rock



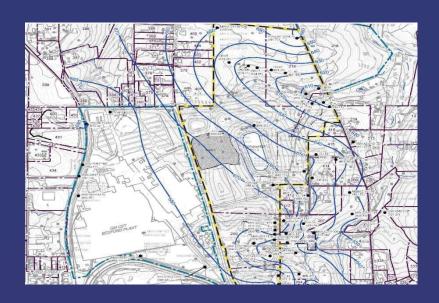






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- Quarterly static groundwater level measurements collected in September 2015
- EI CA750 sampling event conducted in May 2015 results provided to U.S.EPA in October 2015
- Groundwater elevations appear to show no significant changes under the Cover System
- Second 2015 sampling event occurred in early November 2015
- EI CA750 or pilot trench monitoring program will continue until a long term groundwater monitoring plan is in place
- Re-assess frequency and/or scope of monitoring

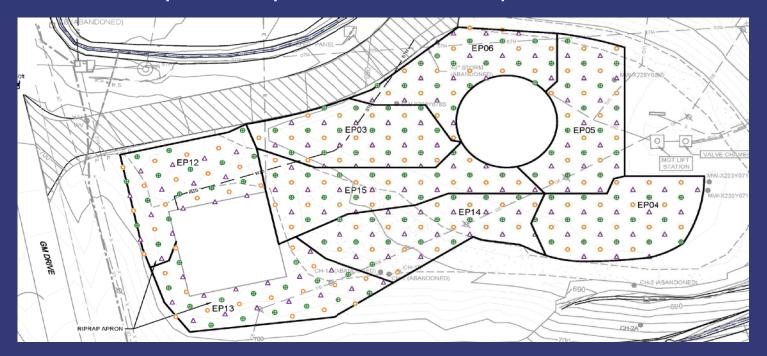






INCREMENTAL SOIL SAMPLING PLAN

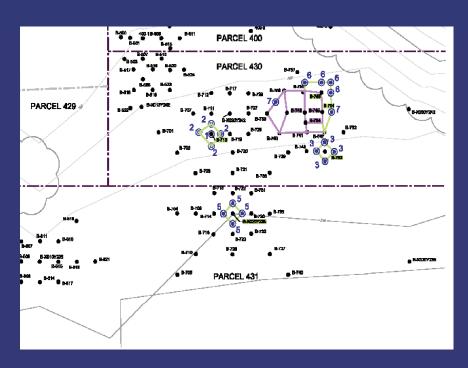
- the constant of the constant o
- incremental surface soil sampling will be conducted in select areas of the East Plant and West Plant Areas
- Sampling will target areas:
 - Not covered by East/West Plant Cover System
 - Not currently paved with hard surface maintained by Plant
 - Areas more prone to potential worker exposures





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- Additional boreholes to be advanced to further delineate the proposed prescriptive excavation limit
- Cleanup activities will be developed following delineation







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- U.S.EPA approved conceptual design
- Working with supplier to design site-specific oil collection system





WATER TREATMENT PLANT OPERATIONS

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- GM is constructing a GWTP to treat waters generated from remediation water including waters from the perimeter groundwater trench collection system
- Construction is to be completed by the end of 2015
- Treated groundwater will be discharged under a NPDES permit (public notice ended November 16, 2015)







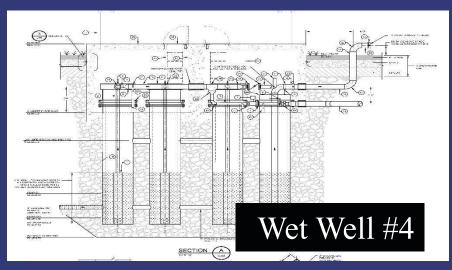
GWTP INPUTS

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PILOT PERIMETER GROUNDWATER TRENCH COLLECTION SYSTEM

- Pilot perimeter groundwater trench collection system construction began in August 2015 with construction of the working platform
- Rock cutting began in October 2015 and has been completed
- Wet well, perforated pipe and gravel backfill to be installed during December 2015
- Final backfill and cover system to be installed during January and February 2016



TEMPORARY WATER TREATMENT PLANT

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WORKING PLATFORM CONSTRUCTION

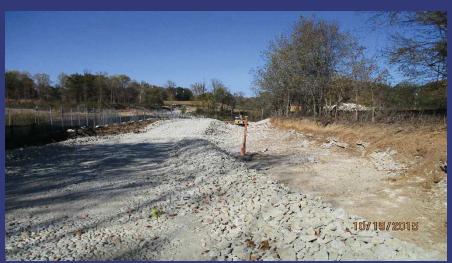
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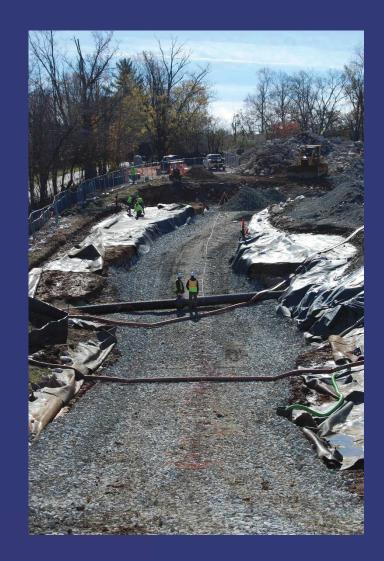


SUPPORT ACTIVITIES

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TRENCHER ASSEMBLY

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TRENCHER ASSEMBLY

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TRENCH CONSTRUCTION

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TRENCH CONSTRUCTION

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COMMUNITY RELATIONS ACTIVITIES

- Community meetings have been held on a regular basis, currently meeting twice/year
 - Meetings will continue to be announced in the Bedford
 Times Mail
 - Presentations have been and will continue to be posted to the website and the library
 - People can always call Katie Kamm with questions: (812) 277-8954
- A CLP meeting was held today
- Information from the presentations and meeting minutes are posted to the website



COMMUNITY RELATIONS ACTIVITIES

- IN CEL BEDFORD FACILITY, BEDFORD, INDIAN,
- Project website at: http://www.BedfordPowertrainCorrectiveAction.com
- Quarterly Community Meetings are available on the website
- Final approved documents can be found on the project website
- Community Liaison Panel (CLP) members listed in minutes on website
- Periodic information sessions next meeting likely to be held June
 2016.
- Periodic Project Fact Sheets (forty-one issued to date)
- Project Questions contact Katie Kamm: (812) 277-8954