

GM CETC BEDFORD FACILITY BEDFORD, INDIANA

RCRA CORRECTIVE ACTION/CERCLA REMOVAL ACTIO

GM CETC BEDFORD FACILITY, BEDFORD, INDIANA

Welcome to the 2nd Quarter 2011 Public Information Session June 23, 2011



- Facility located on 152.5 acres and is approximately 1,000,000 square feet of manufacturing footprint
 - Approximately 400 employees



REMOVAL ACTION

RCRA CORRECTIVE ACTION/CERCLA REMOVAL ACTI

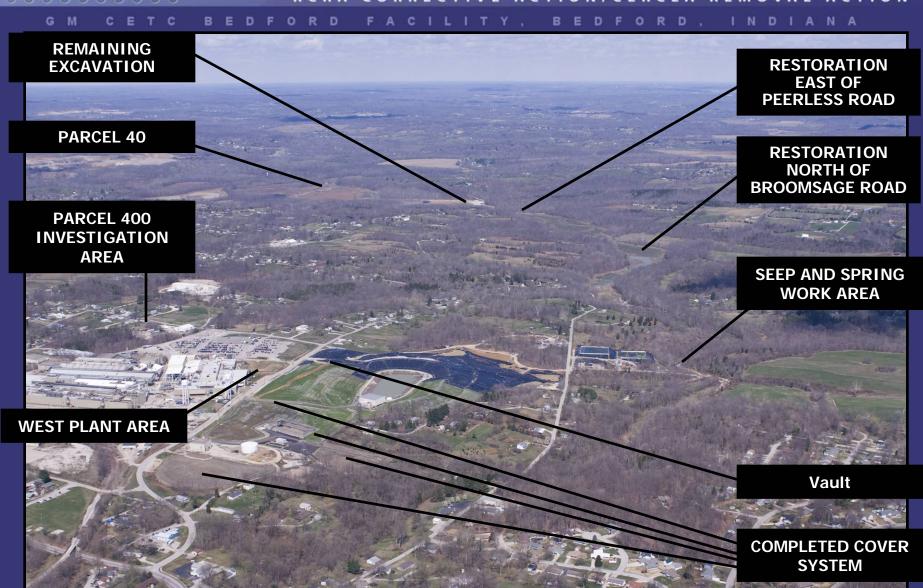
- Comprehensive Environmental Response,
 Compensation, and Liability Act (CERCLA) Removal Action (RA)
 - Bailey's Branch and Pleasant Run PCB cleanup of creek sediments and floodplain soil.
 - RA Elements:
 - Control of impacted springs and seeps along creeks; and
 - Removal of floodplain soil to 1.8 ppm and sediment to 1 ppm in the creek.
 - GM is consolidating remaining creek soil removal work with East Plant capping as part of an agreement previously reached with RACER Trust (formerly MLC).
 - Balance of soil removal will be completed this year.
 - Remedy for large spring on Baileys Branch to be implemented this year.

Restoration will continue into 2012.



REMOVAL ACTION STATUS

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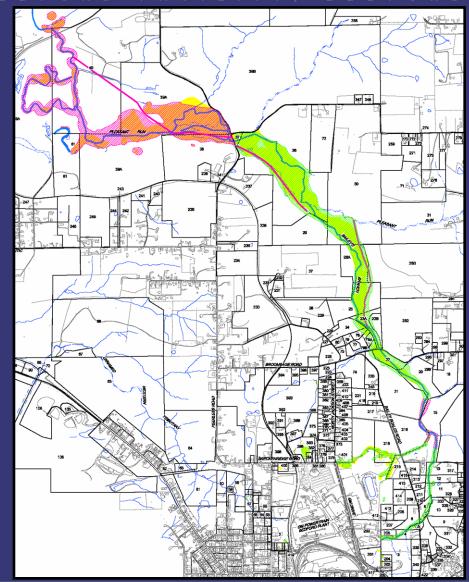




REMOVAL ACTION STATUS

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CREEK RESTORATION

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Restoration North of Broomsage Road



CREEK RESTORATION

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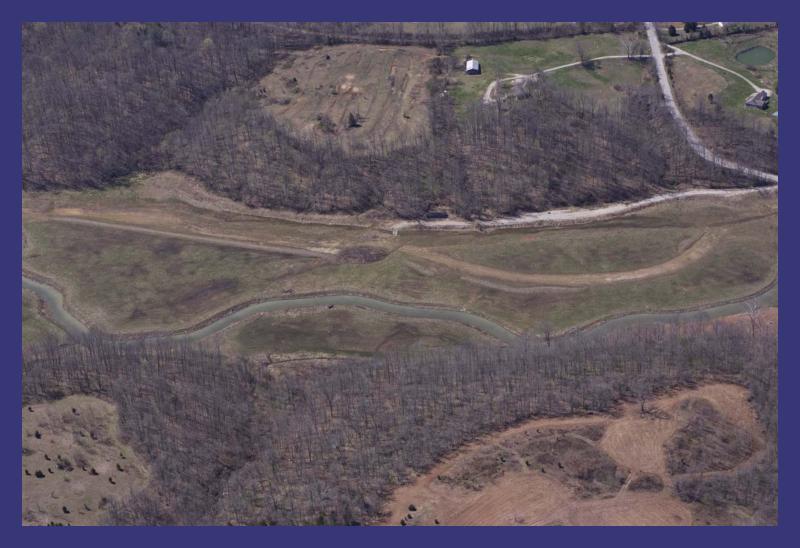
Restoration North of Broomsage Road



CREEK RESTORATION STATUS

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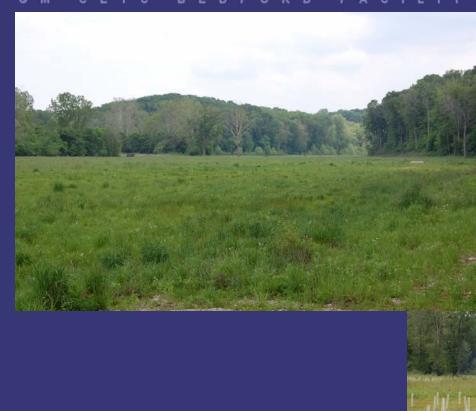
Restoration east of Peerless Road



CREEK RESTORATION

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Restoration East of Peerless Road



CREEK EXCAVATION STATUS

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Excavation remaining west of Peerless Road



CREEK EXCAVATION STATUS

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No

No Excavation



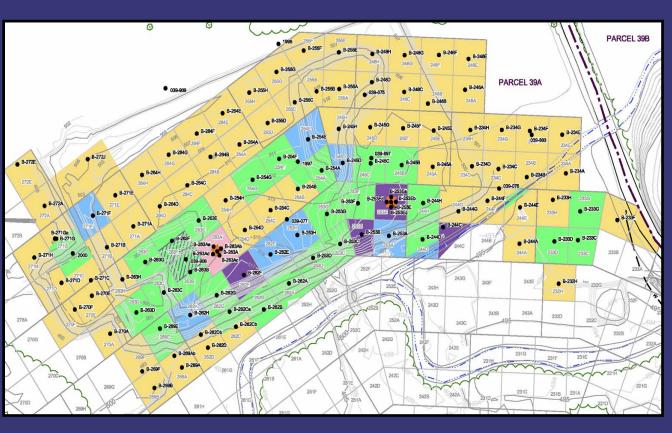
0.5 ft



1.5 ft

2 ft

>50 ppm



Additional soil removal at Area 'G' under way and will be completed summer 2011.



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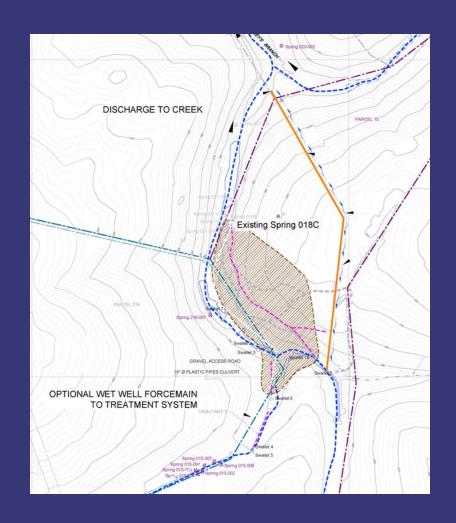




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- Construct French-drain east of Spring 018
- Clean groundwater collected in the French-drain will be diverted around Spring 018 and discharge into the creek downstream of the Spring
- After rerouting of clean water, the reduced volume of water discharged at Spring 018 will continue to be collected and treated at one of the on-Site water treatment plants
- Currently in design phase, construction scheduled for 2011



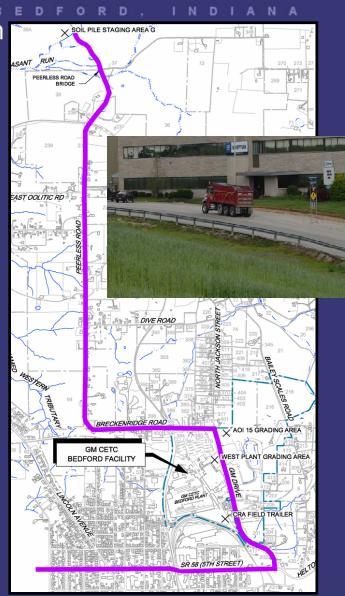


TRUCK TRAFFIC ROUTES

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 Road traffic has resumed with the resumption of removal work at Area G.

- CRA monitors safety of truckers.
- GM will continue to monitor the need for patching roads once project truck traffic resumes in 2011.
- Once project truck traffic has ended, GM will place a final surface layer on the portions of Peerless and Breckenridge Roads paved in early 2010.
- Truck Traffic Issues:
 Katie Kamm (812) 277-8954





RCRA CORRECTIVE ACTION

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RCRA Corrective Action

- Conducted in accordance with a performance-based agreement with the U.S. EPA Region V. The agreement was signed on March 20, 2001 and amended October 1, 2002, March 29, 2008, and May 9, 2008.
- Groundwater testing completed March, April and June 2011.
- Next testing to be completed in September/October
- Bedrock studies were completed at AOI 8 this spring to facilitate the collection system design.
- Implementing Interim Measures:
 - East Plant Area
 - West Plant Area
 - Commercial properties west of the Facility



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East Plant Area Interim Measure

- Re-use of creek soil
- Select soil removal/landfill vault
- Cover system
- Perimeter groundwater collection system
- AOI 8 collection system
- Long-term maintenance and monitoring
- Substantially complete cap areas
- Partially complete cap areas
 - Planned capping for 2011





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Partially completed cover work around the storm water pond.



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Mix of completed, partially complete, and temporary liners around the stormwater pond.



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Detention basins north of the storm water pond to be completed in 2011.



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Cover System installation 2011:

- Overseeding of problem vegetation areas completed last fall good grass growth emerged this spring on completed areas.
- Cover construction will be completed in 2011.



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 The former excavation in front of the plant will have a permanent vegetative and asphalt cover placed over the former excavation.





- Work on the West Plant cover resumed in June.
- Remaining cover work is scheduled to be completed in 2011.



AREA OF INTEREST (AOI) 8

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AOI 8 COLLECTION SYSTEM

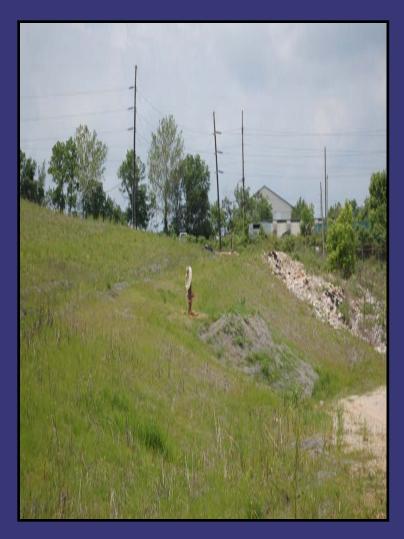
- Packer testing on existing NAPL wells as part of additional bedrock studies at AOI 8
- Vertical NAPL delineation testing at 2 wells southeast of the facility started in March 2011
- NAPL Recovery tests
- Design of NAPL recovery system following review of collected data in 2011
- Construct recovery system in 2011/2012

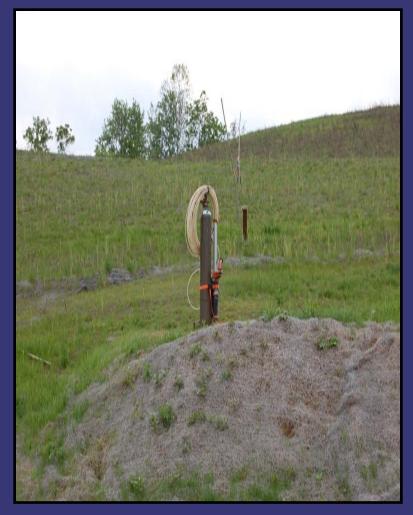


2011 ACTIVITIES – PACKER TESTING

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2011 AOI8 NAPL RECOVERY TEST

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- Recovery test
 - A Work Plan was developed for periodic removal of oil from CH-5 discussing:
 - Recording recovery and recharge rates
 - Water level monitoring to determine potential influences from CH-5 recovery efforts
 - Recovery test will be conducted in 2011





PARCELS 400/430/431

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 Delineation at former fill areas west of Plant completed this winter and remediation options reviewed with the property owners in March.
 Additional delineation will be completed this summer and An Interim Measure submitted to U.S. EPA and IDEM.



UPCOMING ACTIVITIES

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UPCOMING ACTIVITIES FOR 2011

- Complete additional bedrock studies at AOI 8
- Complete IM Work Plan for properties west of the Plant
- Complete soil removal at Area G, west of Peerless Road
- Complete East Plant Area and West Plant Area Cover Systems
- Complete closure of TSCA vault
- Complete restoration east of Peerless Road
- Complete design and installation of Spring 018 remedy
- Continue RFI groundwater monitoring



COMMUNITY RELATIONS ACTIVITIES

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- om orio brotoko ta otriti, brotoko, ikotaka
- Community meetings are held on a quarterly basis.
 - Presentations have been and will continue to be posted to the website
 - People can always come to the field trailer and talk one-on-one or call Katie Kamm: (812) 277-8954
- Next meetings will be held in September 2011
- A CLP Meeting was held today, next CLP and public meeting to be held in September 2011



COMMUNITY RELATIONS ACTIVITIES

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 Project website at: http://www.BedfordPowertrainCorrectiveAction.com

- Quarterly Community Meetings are available on the website
- Public Information Repository (GM Plant) currently by appointment with Katie and repository publications are also available on the project website
- Community Liaison Panel (CLP) members listed in minutes on website
- Periodic information sessions
- Periodic Project Fact Sheets (thirty-two issued to date)
- Project Questions or Truck Traffic Issues contact Katie Kamm: (812) 277-8954