



# GM CETC BEDFORD FACILITY BEDFORD, INDIANA

RCRA CORRECTIVE ACTION/CERCLA REMOVAL ACTION

GM CETC BEDFORD FACILITY, BEDFORD, INDIANA

## Welcome to the 3rd Quarter 2010 Public Information Session September 30, 2010



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



- 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 LLC and MLC completed an agreement to consolidate the remaining creek removal work with the work at the East Plant Area.
    - GM LLC completed additional soil transportation in August/September 2010 from Peerless Road stockpile;
    - Restoration of excavated areas will continue into 2011.



RCRA CORRECTIVE ACTION/CERCLA REMOVAL ACTION

G M C E T C B E D F O R D F A C I L I T Y , B E D F O R D , I N D I A N A

SOIL PILE AND EXCAVATION REMAINING

RESTORATION EAST OF PEERLESS ROAD

EAST PLANT AREA

RESTORATION NORTH OF BROOMSAGE ROAD

PARCEL 400

WEST PLANT AREA

SEEP AND SPRING WORK AREA

Vault

PARCEL 201



# REMOVAL ACTION STATUS

RCRA CORRECTIVE ACTION/CERCLA REMOVAL ACTION

GM CETC BEDFORD FACILITY, BEDFORD, INDIANA

**DIVERSION  
CHANNEL NO. 3**

**NEW RESTORATION  
BETWEEN  
BROOMSAGE ROAD  
AND PEERLESS  
ROAD**

**EAST PLANT AREA  
VAULT**

**PARCEL 400 AREA**

**WEST PLANT AREA**

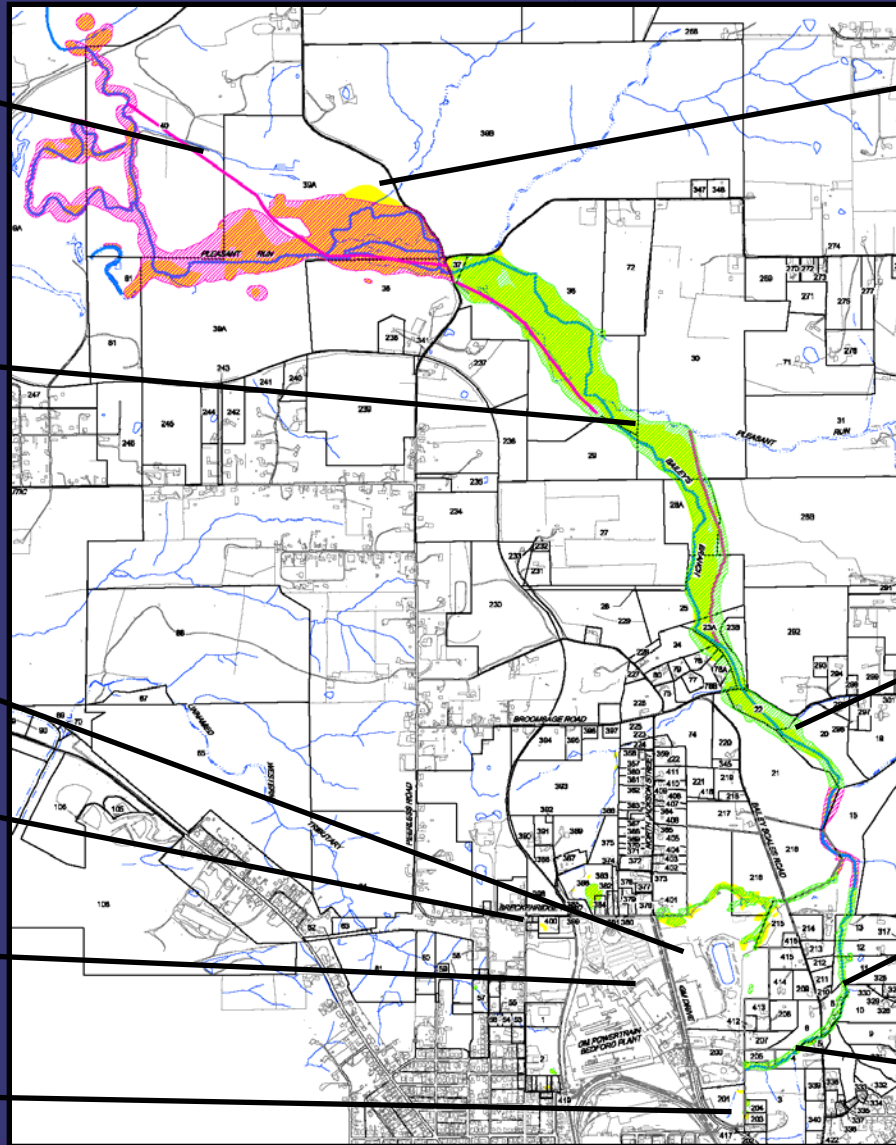
**PARCEL 201**

**STAGING AREA G**

**RESTORATION  
SOUTH OF  
BROOMSAGE ROAD**

**RESTORATION  
EAST OF BAILEY  
SCALES ROAD**

**RESTORATION  
WEST OF BAILEY  
SCALES ROAD**





# CREEK RESTORATION

RCRA CORRECTIVE ACTION/CERCLA REMOVAL ACTION

GM CETC BEDFORD FACILITY, BEDFORD, INDIANA

West from Bailey Scales  
Road





# CREEK RESTORATION

RCRA CORRECTIVE ACTION/CERCLA REMOVAL ACTION

GM CETC BEDFORD FACILITY, BEDFORD, INDIANA

East from Bailey Scales Road





# CREEK RESTORATION

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South of Broomsage Road Restoration



# CREEK RESTORATION

RCRA CORRECTIVE ACTION/CERCLA REMOVAL ACTION

G M C E T C B E D F O R D F A C I L I T Y , B E D F O R D , I N D I A N A



Looking south from Broomsage Road





# CREEK RESTORATION

RCRA CORRECTIVE ACTION/CERCLA REMOVAL ACTION

G M C E T C B E D F O R D F A C I L I T Y , B E D F O R D , I N D I A N A



Restoration North of Broomsage Road



# CREEK RESTORATION

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Looking north of Broomsage Road restoration



# CREEK RESTORATION

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Looking north of Broomsage Road restoration



# 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 and soil pile remaining west of Peerless Road



# CREEK EXCAVATION STATUS

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Soil pile remaining west of Peerless Road (September 2010)



# CREEK RESTORATION

RCRA CORRECTIVE ACTION / CERCLA REMOVAL ACTION

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Naturalized excavation west of Peerless Road



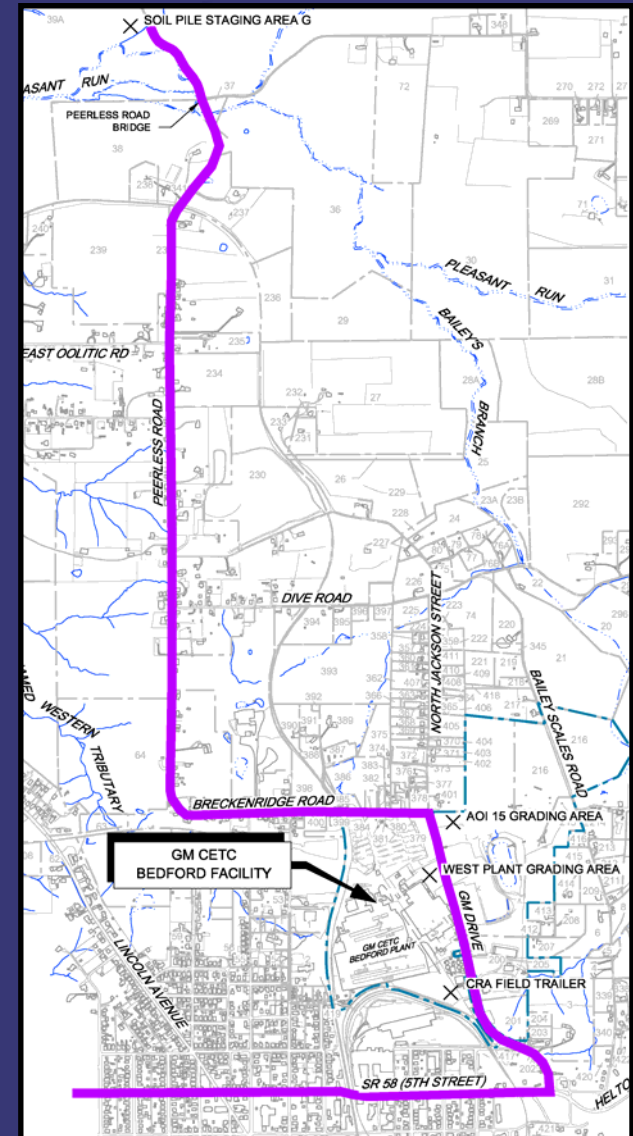


# TRUCK TRAFFIC ROUTES

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- Increased road traffic will continue this fall, particularly along Peerless and Breckenridge Roads, as resumption of restoration work gets underway, and again next summer as the off-Site work is completed.
- CRA continuously monitors safety of truckers.
- GM completed paving a stretch of Peerless and Breckenridge Roads in response to resident concerns about road conditions.
- At the end of truck traffic, GM will be placing a final surface layer on the portions of road recently repaved.
- GM will be patching/paving roads as needed.
- Truck Traffic Issues:  
Katie Kamm - (812) 277-8954



## Typical Trucks

- Soil Removal, Restoration and Cover System Construction Activities
  - Trucks transporting <50 ppm PCB soil for use in cover system construction at Plant.
  - Trucks transporting clean soil from off-Site locations for restoration.





- RCRA Corrective Action
  - Conducted under 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 in July/August 2010.
  - Implementing Interim Measures
    - East Plant Area
    - West Plant Area



# EAST PLANT AREA

RCRA CORRECTIVE ACTION/CERCLA REMOVAL ACTION


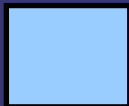


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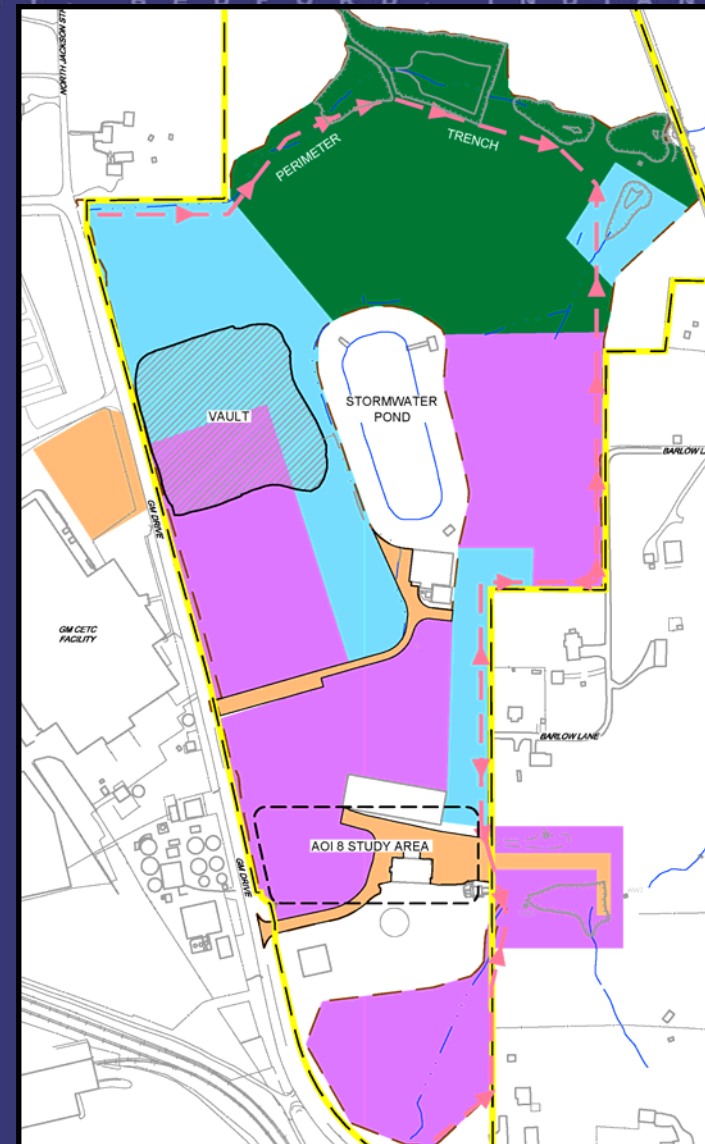




## East Plant Area Interim Measure

- 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

-  Complete work areas
-  Current work areas
-  Paving planned for 2010
-  Planned for 2011





# EAST PLANT AREA

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Parcel 201 off of GM Drive with completed cover.



# EAST PLANT AREA

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Completed cover area off of GM Drive.  
Small amount of grading seeding remains.



Liner installed east of water treatment facility prior to clay grading.





Erosion control matting on the completed cover across from the Plant.

- The drier than normal summer has caused some difficulty in growing new grass.
- Overseeding of problem areas is planned this fall.



# EAST PLANT AREA

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Partially completed covers and temporary liners visible around the stormwater pond.



# EAST PLANT AREA

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Stockpiling creek material in the East Plant Area off GM Drive.

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





# UPCOMING RCRA ACTIVITIES

RCRA CORRECTIVE ACTION/CERCLA REMOVAL ACTION

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## UPCOMING ACTIVITIES FOR 2010

- Continue East Plant Area Cover System
- Continue restoration east of Peerless Road
- Button down work areas in preparation for winter and spring rainy season
- Continue RFI groundwater monitoring
- Complete additional bedrock studies at AOI 8
- Complete design of Pilot Perimeter Groundwater Collection Trench
- Additional soil sampling beneath clean clay pad in Area G, west of Peerless Road
- Additional soil sampling in Parcel 400/430/431 area



# COMMUNITY RELATIONS ACTIVITIES

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- 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 December 2010
- CLP Meeting to be held on October 1, 2010



# 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 (twenty-seven issued to date)
- Project Questions or Truck Traffic Issues contact Katie Kamm:  
(812) 277-8954