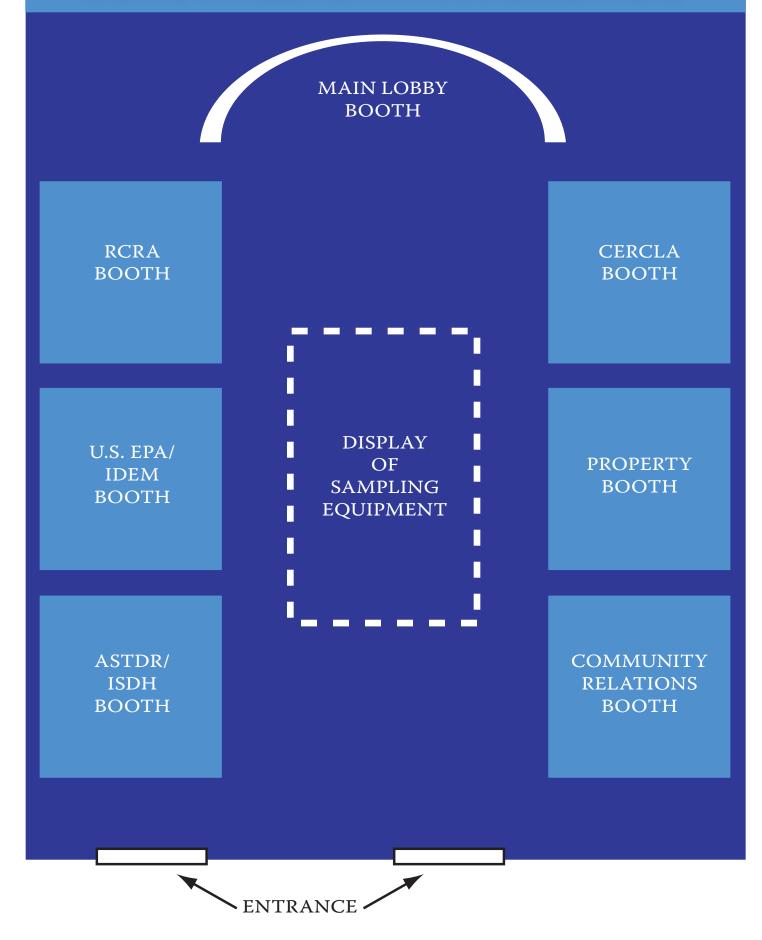
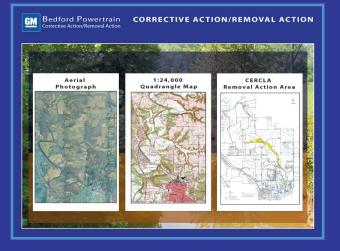
PROPOSED BOOTH LAYOUT



RCRA BOOTH POSTERS







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RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) CORRECTIVE ACTION

RCRA Facility Investigation (RFI)

Systematic investigation of Plant property
 through environmental media sampling

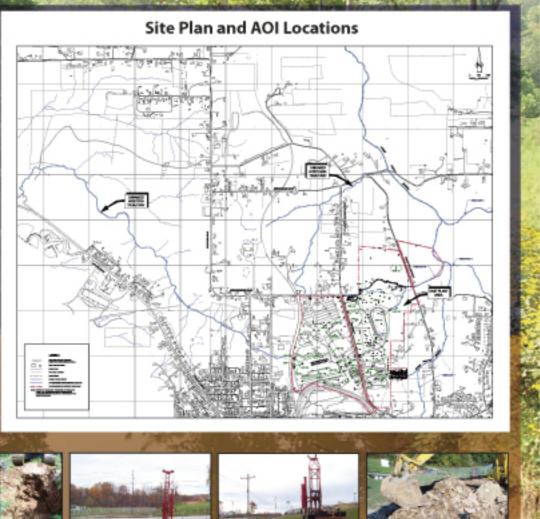
- soil
- surface water
- groundwater
- sediments

Completion of dye trace studies

Planned Interim Actions

- East Plant Area
- Western Tributary
- Unnamed Northern Tributary







NATURAL RESOURCES

Biological Assessment

 The Indiana bat is an endangered species that spends the fall and winter in caves. In the spring and summer, female Indiana bats make a shelter and raise their young between the loose, sagging bark on tree trunks

 The Biological Assessment evaluates the potential effects to the Indiana bat from habitat disturbance and residual PCB levels after the CERCLA Removal Action has been completed. The habitat assessment involves evaluating the amount quality and location of trees out down relative to those forested areas that will remain. A risk assessment was conducted on effects, if any, of residual PCB levels to the Indiana bat

Biological Assessment Report submitted to USFWS/USEPA/IDEM on June 21, 2004

 The Fish & Wildlife Service, which is entrusted with protecting endangered species, has agreed that CERCLA Removal Action will not disrupt the Indiana bat



Indiana Bat (Myotis Sodalis)

Ecological Risk Assessment

 A risk assessment will be performed on representative species to determine the effect, if any, of residual PCB levels after the CERCLA Removal Action has been completed

 Species are selected to represent different degrees of feeding and exposure, as well as sensitivity to PCBs. The belted kingsfisher and mink represent fish eaters, the red-tailed hawk represents meat eaters, the deer mouse represents a grain and vegetation eater and the short-tailed shrew represents an insect and worm eater

 The risk assessment uses modeling of chemical intake and toxicity to predict any adverse affects from exposure to contaminated soil and sediment

Wetlands Restoration

- Wetlands provide many important functions for our environment, including unique ecological niches. feeding areas, flood control, fish spawning areas, and many others
- Wetlands that are removed during construction will be restored or replaced by a larger wetland constructed in the region









CORRECTIVE ACTION/REMOVAL ACTION

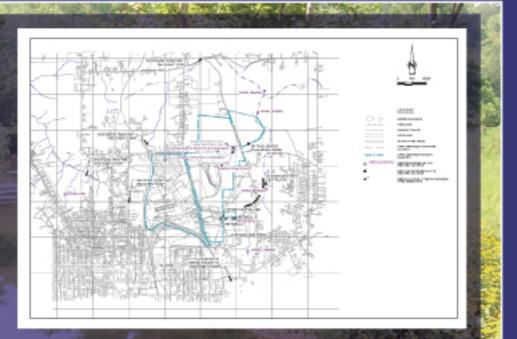




RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) CORRECTIVE ACTION

Dye Trace Study

- Assessment of hydraulic connection of Facility groundwater to off-Facility seeps and springs (within local creeks)
- Fluoroscein dye injected in groundwater at AOI 8 in the area upgradient of Outfall Area 002 on August 30, 2004
- Dye monitoring at seeps/springs continued until September 20, 2004
- The majority of the dye was detected in the Site Source Control collection system designed and implemented as part of the CERCLA Removal Action
- Additional dye trace studies are scheduled for completion in other portions of the Plant later in the year





Funnels for pouring into well



Pouring Fluoroscein dye into well



Flushing well with potable water after dye injection



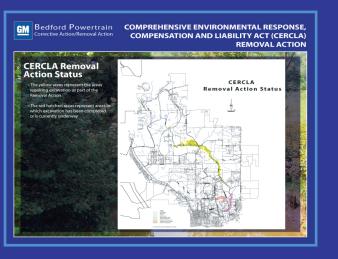
Dye monitoring in the Western Tributary

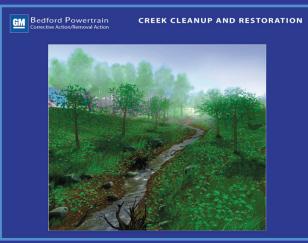


Site Source Control collection system where most dye was detected. Dye visible in this photo.

CERCLA BOOTH POSTERS









Click on image to see a larger/printable version



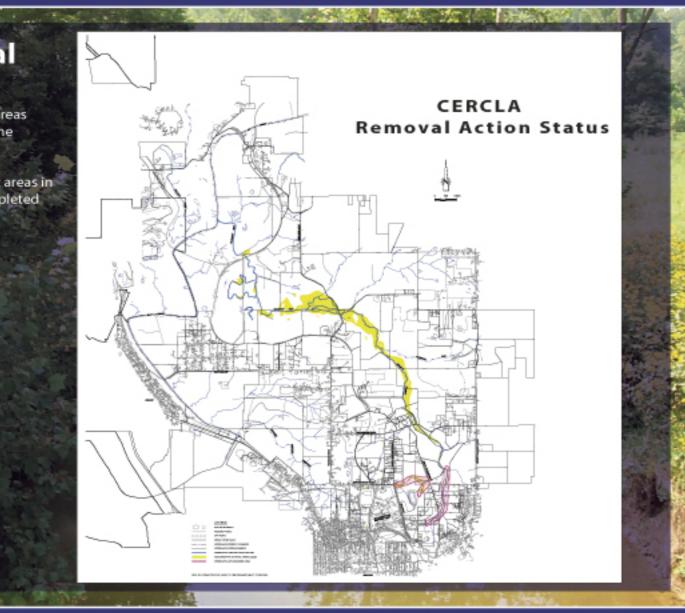
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COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA) REMOVAL ACTION

CERCLA Removal Action Status

 The yellow areas represent the areas requiring excavation as part of the Removal Action

 The red hatched areas represent areas in which excavation has been completed or is currently underway





CREEK CLEANUP AND RESTORATION





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CORRECTIVE ACTION/REMOVAL ACTION

Removal Action

Delineation Sampling

- 3,000+ delineation samples collected over 5 miles of creek
 Creek sediments and floodplain soils sampled
- Clearing of trees in work area

Site Setup

- Mobilization, site security, site trailers
- Erosion controls
- Access roads and parking areas

Water Control

- Soil berms and swales to route clean water around work areas
- Water within work areas contained and collected.
- Potentially impacted water treated prior to discharge
 Constructed temporary on-site wastewater treatment facility to treat water prior to discharge

Excavation

- Dust and erosion control measures tin place prior to excavation
- Creek sediments and soil above cleanup criteria excavated
- Controls maintained until restoration complete

Soil Pile

 Excavated material managed in a contained area pending shipment for off-site disposal

Verification Sampling

- Creek and floodplain sampled to ensure cleanup criteria are met
- Additional excavation completed, if necessary, and additional verification samples collected

Restoration

- Areas backfilled to generally match pre-existing conditions
- Vegetation re-established
- Habitat features added to creek and floodplain



Delineation

Sampling



Restoration

Excavation

Site Setup

Soil Pile



COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) REMOVAL ACTION

Waste Disposal Management

- All waste shipped off-site for disposal is taken to a commercial landfill. GM is currently using two commercial landfills. One landfill can only accept soil and sediment that has a PCB concentration less than 50 mg/kg (50 parts per million), while the other landfill can accept soil and sediment of any PCB concentration
- All waste shipments are tracked through a rigid paper work process, which documents how much waste was sent, when it was sent and where it was sent. All trucks are properly marked with signs that indicate the types of waste materials they are transporting

Air Monitoring

- Air quality is continually monitored at and around all
 ateas where soil and sediment is being removed
- Air monitoring includes collecting samples for dust and PCB analysis
- Infrequent observations of airborne dust around clean fill restoration areas and constructed, clean, temporary roads outside of the removal areas
- Water is applied to roads and work areas to reduce the generation of dust

Truck Traffic

- Transportation plans have been developed and account for local roads and conditions
- Special issues, such as school bus routes and schedules, have been assessed
- Truck traffic is periodically monitored for safety/speed practices
- GM is repairing road damage near our work areas.









GOVERNMENT REGULATORY AGENCY TEAM

United States Environmental Protection Agency (U.S. EPA)

- RCRA Corrective Action Mr. Peter Ramanauskas (312) 886-7890
- CERCLA Removal Action Mr. Brad Stimple (440) 250-1717



Indiana Department of Environmental Managagement (IDEM)

 Mr. John Gunter (317) 232-3413





Bedfo	rd F	ow	ertra	ain
orrective	Action	n/Rem	ioval Ac	tion

GOVERNMENT HEALTH ASSESSMENT TEAM

TOD

Agency for Toxic Substances and Disease Registry (ATSDR)

Mr. Clayton G. Koher (312) 353-6086

ATSDR POLYCELOW IN AT HD **BIPHENYLS**

Indiana State Department of Health (ISDH)

 Ms. LaNetta Alexander (317) 233-7162 Mr. Garry Mills (317) 233-7525





GM COMMUNITY RELATIONS TEAM



Proud Recipient of the "Bedford Area Chamber of Commerce Beautification Award"



GM COMMUNITY RELATIONS TEAM

General Motors Corporation (GM) Communications **Becki Akers**

1-866-223-0856

NORTH LACKSON STREET OPEN HOUSE

EVENT



Web Site www.GMBedfordCorrectiveAction.com

Project Fact Sheets

 Project Fact Sheet 1 - May 24, 2001 Project Fact Sheet 2 - July 16, 2001 Project Fact Sheet 3 - February 10, 2002 Project Fact Sheet 4 - September 9, 2002 Project Fact Sheet 5 -February 12, 2003 Project Fact Sheet 6 - August 11, 2003 Project Fact Sheet 7 - January 20, 2004 Project Fact Sheet 8 - May 28, 2004 Project Fact Sheet 9 - October 28, 2004

Public Information Repositories

- Bedford Public Library 1323 K Street Bedford, Indiana Tel: (812) 275-4471
- GM Bedford Powertrain Facility Visitors Entrance Lobby 105 GM Drive Bedford, Indiana Tel: 1-866-223-0856

Community Liaison Panel Public Meetings