

**GM POWERTRAIN BEDFORD CORRECTIVE ACTION
COMMUNITY LIAISON PANEL (CLP) MEETING MINUTES
MEETING NO. 46**

DATE: June 20, 2013
TIME: 11:00 A.M. EST
LOCATION: CRA Field Trailer
RECORDED BY: Katie Kamm

ATTENDEES:

Brenda Cummins - Lawrence County Health Department
Cedar Orman - Williams Realtors
Larry Chenault - North Lawrence Water Authority
Janie Craig Chenault - Lawrence County Resident
Tom Brent - Bedford Resident
Marla Jones - Bedford Economic Growth Council
Peter Ramanauskas - United States Environmental Protection Agency
Chris Myer - Indiana Department of Environmental Management
Cheryl Hiatt - General Motors LLC
Ed Peterson - General Motors LLC
Jim McGuigan - Conestoga-Rovers & Associates
Tim Myers - General Motors LLC (guest)
Katie Kamm - Conestoga-Rovers & Associates (guest)

ABSENT:

The following members were invited but could not attend:
Bob Dailey - Bedford Resident
David Flinn - County Road Commissioner
David Holmes - Lawrence County Highway Department
Shawna M. Girgis - Mayor, City of Bedford
Bob Hamilton - Bedford Resident
Rod Smith - Bedford Planning, Zoning, and Building
Chris May - County Commissioner
Jamie Medlock - Bedford Chamber of Commerce
Gene McCracken - Lawrence County Economic Growth Council
Dave Nakarado - Evergreen GMAC Realtors
Eace Roberts - Bedford Regional Medical Center
Bill Spreen - Lawrence County Commissioner
Brad Stimple - United States Environmental Protection Agency
Scott Johanson - Indiana Department of Environmental Management
Jerry O'Callaghan - Indiana Department of Environmental Management
Jeff Moody - Indiana Department of Environmental Management
Tim Rienks - General Motors LLC
Eric Gonzales - General Motors LLC

11:36 The CLP meeting called to order by Cheryl Hiatt of General Motors.

- 11:36** Cheryl welcomed everyone to the 46th CLP meeting and briefly reviewed the agenda.
- 11:37** Cheryl confirmed there was no old business to discuss.
- Under new business, Cedar Orman noted that she had an update on the RACER properties for sale, which will be discussed later in the presentation.
- Cheryl noted that there will be work at the site in the next two years, primarily long term-monitoring. GM will continue to provide updates to the work progress, but at a reduced frequency. The next meeting will likely be held at the end of the year.
- 11:39** Cheryl asked if there were any changes to the CLP member list. Cheryl reminded current member interested parties may still join. There were no changes noted, nor were there any nominations for new members.
- 11:39** Cheryl asked if there were any issues panel members wished to raise. No issues were raised.
- 11:39** Ed Peterson of General Motors reminded members that the off-site work was performed as part of a CERCLA removal action. The work included conducting the PCB cleanup of the creek and controlling the impacted springs and seeps along the creek. The removal action on the creek is complete. GM has two remaining properties that will be restored by the end of 2013. GM continues to control impacted springs and seeps. All but one of the springs is located on plant property.
- 11:41** Ed gave an overview of the remaining work areas, including the location groundwater collection trench, which is the last major component of the removal action.
- Ed pointed out the location of the balance of work to be done on the creek system. Ed noted these areas have been remediated, but require restoration. GM would be restoring the third party properties, while RACER would be restoring their property.
- GM will be restoring the third party properties to generally similar pre-construction conditions. GM has been in contact with the property owners to address property-specific concerns. Restoration activities on these properties will require coordination with RACER.
- 11:44** Ed pointed out the location of Spring 18.
- Ed reviewed the process by which Spring 18 was impacted by PCBs. In the past, water in the creek carrying PCBs entered the creek bed floor and sidewalls, affixing to the clay particles within the cracks. As surface water flowed through these cracks, the clay particles were dislodged and transported via groundwater flow through the rock and ultimately emanated from Spring 18 where low level PCB concentrations were detected in the water at Spring 18.
- GM has conducted significant investigations in the Spring 18 area and looked at several remedial alternatives to determine a remedy to address impacted groundwater.
- In order to minimize surface water from entering the cracks and continuing to mobilize these minor amounts of residual PCB particulates, GM opted to seal this section of the creek bed, in the Spring 18 area, with concrete.
- The sealing work, which was completed earlier in the year, included removing sediment and loose rock from the creek channel. A base layer of concrete and rock was placed along the creek. In areas where investigations showed the creek was losing water to underlying cracks, a geocomposite clay liner was placed. The creek system in the Spring 18 area was then covered

with a final concrete sealing layer.

Post-sealing monitoring indicates the sealing work has been effective.

Several photos of the Spring 18 sealing activities were reviewed. Ed identified the content of each photo, noting that in the future, the area will look more natural as sediments and vegetation fill in the creek bed.

- 11:50** Ed explained that GM was looking for a remedial action that would result in a consistent PCB concentration of less than 0.3 µg/L in water (the concentration often used by the State in permits for discharge) collected from Spring 18.

Monthly samples from Spring 18 have consistently shown PBC concentrations less than 0.3 µg/L since December 2012, when creek sealing activities began.

GM has also collected monthly water temperatures from Baily's Branch (surface water), Spring 18 (spring water) and nearby coreholes (groundwater). The temperature of the spring water and the groundwater near the creek channel correlates with the upgradient groundwater temperature, indicating that the surface water recharge to Spring 18 has been largely eliminated.

The creek flow has been re-established in the Spring 18 area, with no significant increases in the amount of water emanating from Spring 18, further indicating the surface water recharge to Spring 18 has been minimized.

Based on these findings, USEPA approved turning off the Spring 18 collection system. Monitoring is currently ongoing to confirm conditions do not change.

- 11:54** Ed identified the last two properties along the creek system that GM will be restoring. Much of the property is an active farm. Work is being coordinated with the property owners. Clearing, grubbing, and surveying activities have begun. Restoration activities include restoring the creek channel and flood plain; backfilling the diversion channel; re-using clean, stockpiled material; constructing creek crossings; and replacing fencing that was removed in order to conduct the removal action. Work on these remaining properties will be coordinated with RACER, who will be restoring the property immediately upstream of GM's work area.

Restoration activities are scheduled to be complete by the end of 2013.

- 11:56** Ed reminded panel members that RACER will be restoring the area immediately upstream of GM's work area. This work is also scheduled for the summer of 2013. RACER and GM will work together to coordinate backfilling the diversion channel and re-establishing flow into the creek system so that neither GM nor RACER are adversely impacted by each other's planned restoration activities.

- 11:57** Trucking on the road to and from the creek area will resume when restoration begins, but only for a short duration. Trucking routes will be limited to minimize impact of public roads.

CRA continues to monitor the safety of the trucking activities. Any issues residents have can be directed to Katie Kamm (812-277-8954).

- 11:58** Ed noted that GM has continued to investigate PCB impacts to Parcels 400, 430 and 431, located west of the Plant. Cheryl mentioned the impacted soil in the area extends to the adjacent, RACER-owned properties. GM and RACER may coordinate removal efforts. Cheryl believes that RACER will likely conduct the remediation of their properties ahead of the any additional

work that will be done by GM.

12:00 Cedar Orman provided an update of the properties being sold by RACER. The log home (on Broomsage) is in the process of being sold. All other properties that have been released for sale have been sold. Cedar noted that RACER is looking to combine some of the Northern Tributary properties to sell as a single unit.

12:10 Ed stated that the remaining project work was primarily limited to on-site work, which is performed under the RCRA Corrective Action.

12:10 Ed reminded the panel that GM will be installing a perimeter groundwater collection trench along the north and east side of the East Plant Area. Due to the mobility constraints of the trenching machine, the proximity to the completed cover system, and area obstructions, GM presented an alternative trench alignment to USEPA. GM also purchased additional properties along Bailey Scales Road and Barlow Lane to accommodate the alternate trench alignment.

Cheryl stated that GM was working with the City of Bedford to vacate portions of Barlow Lane in order to construct the trench. GM owns those properties along Barlow Lane that would be affected by the closure.

12:12 Ed pointed out that coreholes were advanced along the new trench alignment. Tests were conducted to see where cracks in the underlying bedrock were located. The data is used to design the trench final alignment and depth.

The trench will be constructed in two phases. The first phase will be installation of a pilot trench located at the northeast corner of the site. This trench will help give GM an understanding on the construction techniques and groundwater collection parameters to be used in developing the full trench. The second phase will be the installation of the full scale trench. The full trench is expected to be installed roughly one year following the completion of the pilot trench. This will allow for time to review the performance of the pilot trench and apply knowledge gained to construction of the balance of the trench work.

12:14 Ed identified the planned activities for 2013. Activities include:

- Monitor the cover system vegetative growth
- Contain, collect and treat on-Site springs and groundwater collection systems
- Perform groundwater sampling
- Design the AOI8 NAPL recovery system
- Complete the restoration on Parcels 40 and 81
- Finalize the pilot groundwater collection trench design
- Determine the Parcel 400 area additional work
- Complete remaining on-Site sampling (as part of the RCRA Facility Investigation Report)

12:15 Cheryl gave an update on Community Relations Activities

- Community meetings have been held on a quarterly basis. However, due to significantly reduced activities, meeting frequencies have been reduced.
- GM revised the public meeting invitation list based on postcard responses. Notices will continue to be announced in the Bedford Times Mail.
- Presentations will continue to be posted on the project web site and at the Public

Library.

- Cheryl reminded the panel that the public meeting would be held later in the evening. The public will review the same presentation provided to the CLP.

12:15 Janie Chenault asked what GM planned to do with the modutanks. Cheryl noted that the tanks would remain for now.

12:16 Marla Jones asked if GM was still planning to develop walking trails the property in the Peerless Bottoms. Ed stated that the property in question remained with the “old” corporation, now managed by RACER. RACER will be restoring the area during 2013. GM believes RACER will be selling the property.

12:17 Cheryl gave an update on Community Relations Activities

- Cheryl reviewed contact numbers for project personnel and pointed out locations where the community can obtain project information. Cheryl noted that while the project activities will be reduced, GM will still have a representative on-site. Katie Kamm can also still be reached with questions at 812-277-8954.

12:20 The meeting was adjourned.