

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5**

IN THE MATTER OF: ) ADMINISTRATIVE ORDER ON CONSENT  
General Motors LLC<sup>1</sup> )  
)  
Bedford Castings, Engines Transmissions )  
(CET) )  
Bedford, Indiana 47421 )  
)  
EPA ID#: IND006036099 )  
RESPONDENT: General Motors LLC )  
) EPA Docket No.  
) **RCRA-05-2014-0011**  
)  
) Proceedings under Section 3008(h) of the  
) Resources Conservation and Recovery Act  
) as amended, 42 U.S.C. § 6928(h).  
)



**I. JURISDICTION**

1. The United States Environmental Protection Agency (“EPA”) is issuing this Administrative Order on Consent (“Order”) to General Motors LLC (“Respondent”) under Section 3008(h) of the Solid Waste Disposal Act, commonly referred to as the Resource Conservation and Recovery Act of 1976 (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984, 42 U.S.C. § 6928(h). The authority vested in the Administrator to issue orders under Section 3008(h) of RCRA, 42 U.S.C. § 6928(h), has been delegated to the Regional Administrators, and further delegated to the Director, Land and Chemicals Division, EPA Region 5.
2. Respondent owns and operates a Castings, Engines and Transmissions, (CET) plant at 105 GM Drive, Bedford, Indiana (the “Facility”). The Facility is located on the northeast side of the City of Bedford in Shawswick Township, Lawrence County, Indiana. The Facility produces automobile aluminum casting products, such as transmission cases, components, and engine blocks. Major aluminum production processes include die casting & permanent molding. The Facility was one of the assets purchased from General Motors Corporation (GMC) by GM LLC under Section 363 of the U.S. Bankruptcy Code on July 10, 2009. The Facility, located on approximately 152.5 acres, contains approximately 915,000 square feet of floor space and employs approximately 600 people. This Order pertains only to the Facility and to certain properties located adjacent to or downstream from former Outfall 001 (Old Stormwater

<sup>1</sup> General Motors LLC (GM LLC) refers to the company formed on July 10, 2009 as a result of the 363 Asset Sale pursuant to the bankruptcy. Any reference in this Order to historical documents or to the property or work prior to July 10, 2009 refers to the work performed by General Motors Corporation (GMC) which includes work on properties owned by RACER, third parties and/or GM LLC.

Lagoon) ("Former Outfall 001"), NPDES Permit No. IN0003573 ("NPDES Permit") Outfall 002 (treated wastewater effluent) ("Outfall 002"), NPDES Permit Outfall 003 (stormwater lagoon overflows) ("Outfall 003") along Bailey's Branch Creek and Pleasant Run Creek. These are properties where polychlorinated biphenyls ("PCBs") from the Facility are known to have migrated<sup>2</sup> down the creek from the Facility property. This Order pertains only to the Facility property and those properties on the previously specified creeks that were never owned by GMC (GMC became Motors Liquidation Company (MLC) and transferred its remaining properties to Revitalizing Auto Communities Environmental Response (RACER) Trust, which is the entity with sole liability and responsibility for those parcels). The following properties are the properties that are subject to this Order:

- a. The Facility.
- b. Parcels 3, 203, 204, 207, 208, 412, 413, 414, 415 and 416, which are owned by GM LLC.
- c. Parcels 4, 6, 15, 21, 22, 24, 25, 29, 30, 36, 40, 72, 81, 210, 211 and 212 which are third-party owned off-site properties (properties never owned by GMC) but only for releases that have migrated from the Facility.

Paragraphs 2.a, b, and c herein will be collectively referred to as the GM Order Properties. Exhibit 1 depicts these properties.

3. Respondent agrees not to contest EPA's jurisdiction to issue this Order, to enforce its terms, or to impose sanctions for violations of the Order.
4. Respondent waives any rights to request a hearing on this matter pursuant to Section 3008(b) of RCRA, 42 U.S.C. § 6928(b), and 40 C.F.R. Part 24, and consents to the issuance of this Order without a hearing under Section 3008(b) of RCRA, 42 U.S.C. § 6928(b), as a Consent Order issued pursuant to Section 3008(h) of RCRA, 42 U.S.C. § 6928(h).

## II. DEFINITIONS

5. This Order incorporates the definitions in RCRA, 42 U.S.C. §§ 6901 - 6922k, and the regulations promulgated under RCRA unless otherwise specified.

## III. PARTIES BOUND

6. This Order applies to and binds EPA, Respondent and its agents, successors, assigns, trustees, receivers, and all persons, including but not limited to contractors and consultants, acting on behalf of Respondent. Respondent will be responsible for and liable for any violations of this Order, regardless of Respondent's use of employees, agents, contractors, or consultants to perform Work required by this Order.
7. No change in ownership or corporate or partnership status relating to the Facility will alter Respondent's obligations under this Order. Any conveyance of title, easement, or other interest

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<sup>2</sup> "Migration" refers to groundwater and surface water migration from the Facility.

in the Facility, or a portion of the Facility, will not affect Respondent's obligations under this Order. Respondent will give written notice of this Order to any successor in interest prior to transferring ownership or operation of the Facility or a portion thereof and will notify EPA in writing within five days (day, as referenced in this order, refers to calendar days unless otherwise noted) of the transfer. This written notice will describe how Respondent has assured that, despite the transfer, all institutional controls required now or in the future for the Facility will be implemented and maintained. This Paragraph will not apply if EPA and Respondent agree that this Order has terminated as to the Facility or any relevant portion of the Facility.

#### IV. BACKGROUND

8. The Facility operations consist of approximately 915,000 square feet of operating floor space and are located on the northeast side of the City of Bedford in Shawswick Township, Lawrence County, Indiana. The address of the Facility is 105 GM Drive (GM Drive was formerly named Jackson Street). The Facility lies on approximately 152.5 acres of land on either side of GM Drive and extending onto the east side of Bailey Scales Road. Currently, the Facility is bordered by residential and undeveloped areas to the north; to the south by the Canadian and Pacific Railway, IMCO (a Kaiser aluminum recycling facility), and residential property; to the east by residential and undeveloped areas; and to the west by an abandoned railway, industrial and residential properties and a cemetery.
9. The following historical operations pertain to the Facility:
  - a. **Stone City Construction, Railroad Maintenance Operations (1890 - 1942):** The property was initially developed as a limestone-cutting mill circa 1890 (Stone City Construction). The mill was located on the southern portion of the current Facility property. Until the early 1940s, the property operated as a mill, cutting large limestone blocks for fine building stone. Railroad maintenance shops and a turn-around yard (roundhouse) were built in the 1880's by the Evansville-Richmond Railroad, located to the south of the stone mill in the southern portion of the current Facility.
  - b. **U.S. Government Ownership and GMC Operation (1942 - 1946):** In 1942, the U.S. Government acquired the property and the limestone-cutting mill was converted to an aluminum foundry. GMC operations, under contract with the U.S. Government, began in 1943 as an aluminum sand casting foundry to produce aircraft cylinder heads. Sand casting involved the pouring of molten metal into molds made from sand. The sand was blended with additives (including bentonite and sea coal) to form the molds. The spent sand was commonly referred to as foundry sand. From 1943 until 1945, the Delco Remy Division of GMC operated the Facility on behalf of the U.S. Government to produce cylinder heads for aircraft engines.
  - c. **Detroit Diesel Allison Operation (1946 - 1950):** GMC constructed service buildings and transported equipment from other GMC facilities following purchase of the property in 1946 from the U.S. Government. The Allison Bedford Foundry, as it was known at the time, produced jet engine midframes, tank transmissions, blower parts, and miscellaneous housings and covers from 1946 to 1949. Additional land was purchased and an additional building was erected to produce iron cylinder liners for Detroit Diesel Allison, a Division of GMC.

- d. **Fabricast Division Operation (1950 – 1959):** In 1950, Fabricast Division of GMC was formed and took over operations at the Facility. Buick transmission converters, tank transmission cases, Allison heavy alloy blades and vanes, barometric controls, range finders, and pistons were produced. Fabricast operated at the Facility until 1959, at which time Fabricast consolidated with CFD.
  - e. **Central Foundry Division (1959 – 1991):** Die casting facilities were expanded to produce transmission cases for the Hydra-Matic Division of GMC. In 1962, timing gear and bell housing production was moved to the Facility. In 1971, Minerals Processing Corporation (MPC) (a dross reclaimer of aluminum salts) began operations on the portion of the property formerly occupied by the railroad maintenance operations. MPC leased the property from the railroad, which still owned the property in 1971. MPC's operations are included with the railroad maintenance operations identified as Area of Interest (AOI) 1 (see Figure 1.3 of the May 25, 2001 Current Conditions Report (CCR)), since they operated in the same area.
    - i. In 1977 GMC purchased the property from the railroad that was formerly occupied by the railroad roundhouse and maintenance operations, and at the time was being leased from the railroad by MPC. MPC continued to operate the reclamation facility and leased the property from GMC after GMC assumed ownership. Other undeveloped parcels have also been purchased over the years to the north, east, and south of the original property boundaries.
    - ii. In 1980, the Facility produced various aluminum automotive components including piston heads, transmission housings and intake manifolds, as well as, turbine blades made of various heat-resistant alloys.
  - f. GMC's Central Foundry Division (CFD) merged with GMC's Powertrain Division in 1991 to produce aluminum casting products such as transmission casings, pistons, and engine blocks. Major aluminum production processes include die-casting and permanent molding.
10. A publicly accessible repository for information regarding site activities was established in 2001 as part of the Corrective Action and extensive public outreach and public involvement has occurred throughout the duration of work activities completed at the Facility, including but not limited to:
- a. Monthly Progress Reports - July 2003 through July/August 2012<sup>3</sup>.
  - b. Quarterly Progress Reports – July 2001 through December 2013.
  - c. Project Fact Sheets – A total of 37 from May 2001 through November 2013.
  - d. Public Information Sessions and Presentations – Approximately 92 from January 2004 through December 2013.

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<sup>3</sup> On September 14, 2012, CERCLA monthly reporting (modified as Bi-Monthly Reporting on August 11, 2009) was combined with the RCRA quarterly reporting.



- e. A dedicated information phone line and a dedicated phone line to report traffic issues.
  - f. Information repositories (Bedford Public Library and in the Facility lobby).
  - g. A project web site ([www.gmbedfordcorrectiveaction.com](http://www.gmbedfordcorrectiveaction.com)).
  - h. Community Liaison Panel meetings starting in 2003.
11. Prior to submission of the East Plant Area RCRA Corrective Action Program Interim Measures Alternatives Review Report (dated April 13, 2005) to EPA and IDEM, discussions were held with EPA and IDEM that resulted in the proposed Interim Measure approach, which was presented to the public at a public meeting on March 31, 2005. A public notice was placed in the local newspaper, the Bedford Times-Mail, on May 31, 2005 requesting comments on the plan no later than July 14, 2005. EPA also mailed a copy of this notice to all residents in the area. Another public meeting was held at the Facility on June 2, 2005 to discuss the proposed plan and allow residents to ask questions and provide comments. Approximately 92 public meetings have been held to provide an update on the status of the East Plant Area IM and off-Site cleanup.
- a. EPA provided a Statement of Basis for the GMC Bedford Plant – East Plant Area Interim Measure dated May 31, 2005. The components of that Interim Measure included:
    - i. Establishment of Institutional Controls;
    - ii. Excavation of  $\geq 50$  mg/kg PCB soil and placement into a TSCA approved vault;
    - iii. Placement of  $< 50$  mg/kg PCB contaminated soil from the CERCLA Removal Action as backfill/grading fill for the East Plant Area;
    - iv. Construction of a multi-component cover system over the East Plant Area;
    - v. Installation of an oil recovery system for AOI 8;
    - vi. Installation of a downgradient perimeter groundwater collection trench; and
    - vii. Long-term operation and maintenance of the Interim Measure.
  - b. EPA provided a Toxic Substances Control Act Approval to Dispose of Polychlorinated Biphenyls for the East Plant Area Vault on October 26, 2006 and on May 9, 2007. EPA provided an approval for GMC's Request for Modification to the October 26, 2006 TSCA Approval to Dispose of PCBs on April 15, 2008.
  - c. IDEM provided a PCB Risk-Based Disposal Approval for the East Plant Area Vault on October 26, 2006.

12. The following historical documents<sup>4</sup> have been submitted to and approved by EPA. Written approval was provided by EPA, where noted:
- a. A Voluntary Corrective Action Agreement with EPA was executed on March 20, 2001, as amended and re-titled to the Performance Based Corrective Action Agreement dated October 1, 2002, that committed GMC to Corrective Action at the Facility.
  - b. A CERCLA Administrative Order on Consent for Removal Action (CERCLA AOC) became effective on July 31, 2003 for Removal Action on properties impacted by the Facility on Bailey's Branch and Pleasant Run Creeks.
    - i. The cleanup criteria approved by EPA for the CERCLA AOC for floodplain soils for the Removal Action Work Plans was 1.8 milligrams per kilogram (mg/kg) total PCBs. The CERCLA AOC also identified a cleanup criterion of 1 mg/kg total PCBs for creek sediment and stream bank material at the site. Stream bank material was defined as material located horizontally to a distance of 2 ft from the edge of the stream channel, and vertically down the top elevation of the streambed following sediment removal.
  - c. A Current Conditions Report was submitted to EPA on May 25, 2001 that documented current and historical operations at the Facility and identified Areas of Interest (AOIs) at the Facility where waste handling or releases may have occurred.
  - d. Two work plans described below were submitted to EPA for approval prior to the RCRA Facility Investigation (RFI) Work Plan in order to expedite off-site investigations based on the Current Conditions Report. Work under these two plans was conducted off-Facility ahead of the on-Facility RFI work. These investigations were completed before the RFI Work Plan in order to address the potential for a completed residential exposure pathway off-Site to either groundwater in wells or to soil, sediment and surface water in Baileys Branch and Pleasant Run.
    - i. The Off-Site Well Survey and Sampling Work Plan was submitted to EPA on June 6, 2001. It included a door-to-door survey within a half-mile radius of the Facility, and groundwater sampling and analysis of wells and cisterns. The results of this investigation were submitted to EPA in the Off-Site Residential Well Survey and Sampling Technical Memorandum dated December 9, 2002.
    - ii. The Stream Investigation Work Plan was submitted to EPA on June 6, 2001. This included habitat mapping, fish and benthic community evaluations, stream geomorphology mapping, and human access and use evaluation. The surface water investigation was submitted in two phases. The Phase II Stream Investigation included sampling of surface water (including observed seeps and springs) in May 2002, after a period of extended wet weather, and additional sediment, bank, and floodplain soil sampling throughout the area that extended beyond the Phase I Stream Investigation study.

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<sup>4</sup> To the extent that any historical document refers to historical data pertaining to properties owned by MLC or RACER Trust or to non-migration properties as defined in this Order, this historical information is included for background information purposes only and is not subject to the penalties or deadlines associated with this Order.

- e. The RCRA Facility Investigation (RFI) Work Plan was submitted to EPA on October 29, 2001. The RFI Work Plan described the initial investigation of the Facility and was based on the Site Investigation Sample Matrix, submitted to EPA during Performance Based Corrective Action Agreement discussions in 2001.
- i. The following RFI Work Plan Addenda for soil, sediment, surface water, groundwater sampling, dye trace testing, and geophysical surveys were prepared and approved by EPA where noted:
- (1) RFI Work Plan Addendum No. 1 dated November 18, 2002;
  - (2) RFI Work Plan Addendum No. 2 dated May 22, 2003;
  - (3) RFI Work Plan Addendum No. 3 dated March 23, 2004 and approved by EPA on March 23, 2004;
  - (4) RFI Work Plan Addendum No. 4 dated May 3, 2004 and approved by EPA on May 6, 2004;
  - (5) RFI Work Plan Addendum No. 5 dated July 26, 2004;
  - (6) RFI Work Plan Addendum No. 6 dated September 27, 2004;
  - (7) RFI Work Plan Addendum No. 7 approved by EPA on October 13, 2004 and issued as final on November 23, 2004;
  - (8) RFI Work Plan Addendum No. 8 approved by EPA in March 2005 and issued as final on March 11, 2005;
  - (9) RFI Work Plan Addendum No. 9 dated July 5, 2005 and approved by EPA on July 9, 2005;
  - (10) RFI Work Plan Addendum No. 10 approved by EPA on August 17, 2005 and issued as final on August 19, 2005;
  - (11) RFI Work Plan Addendum No. 11 approved by EPA on August 16, 2005 and issued as final on August 17, 2005;
  - (12) RFI Work Plan Addendum No. 12 dated December 6, 2005; and

- (13) RFI Work Plan Addendum No. 13 approved by EPA on April 19, 2006 and issued as final on April 20, 2006.
- ii. The Development of Risk Based Cleanup Criteria, Soil Cleanup Level for PCBs – Upstream Parcels, prepared by ENVIRON, was presented as Appendix A to the Upstream Parcels Removal Action Work Plan submitted on July 18, 2003.
  - iii. The Development of Risk Based Cleanup Criteria for PCBs, Downstream Parcels, Soil Cleanup Level for PCBs – Downstream Parcels, prepared by ENVIRON, was presented as Appendix A to the Downstream Parcels Removal Action Work Plan submitted on October 28, 2003.
  - iv. An Ecological Risk Assessment Risk Characterization, prepared by Exponent, was submitted on September 22, 2006.
  - f. The CA725 was submitted on January 27, 2005 and approved by EPA on July 31, 2007<sup>5</sup>.
  - g. The CA750 was submitted on April 29, 2008 and approved by EPA<sup>5</sup>.
  - h. CERCLA Removal Action Administrative Order on Consent addressing the creek PCB removal action became effective on July 31, 2003.
  - i. Upstream Parcels Removal Action Work Plan was submitted on July 18, 2003 and approved by EPA on July 23, 2003.
  - i. The following Addenda for removal of impacted fill, limited areas of surficial bedrock, and sampling modifications were submitted to and approved by EPA:
    - (1) Upstream Parcels Removal Action Work Plan Addendum No. 1 dated November 25, 2003 and approved by EPA on December 2, 2003;
    - (2) Upstream Parcels Removal Action Work Plan Addendum No. 2 dated February 13, 2004 and approved by EPA on February 19, 2004;
    - (3) Upstream Parcels Removal Action Work Plan Addendum No. 3 approved by EPA on May 11, 2004 and issued as final on May 12, 2004;
    - (4) Upstream Parcels Removal Action Work Plan Addendum No. 4 dated June 15, 2004 and approved by EPA on June 30, 2004; and
    - (5) Upstream Parcels Removal Action Work Plan Addendum No. 5 dated October 2, 2004.
  - ii. The Upstream Parcels Removal Action Work Plan Construction Certification Report was submitted to EPA on October 1, 2007 and approved by EPA on December 7, 2007.

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<sup>5</sup> These environmental indicators are point-in-time determinations.



- iii. The Upstream Parcels Interim Operation, Maintenance, and Monitoring Plan was submitted to EPA on June 13, 2008 and approved on June 3, 2008. The Upstream Parcels include 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 205, 215, 216 west of Bailey Scales Road and portions of Bailey's Branch Creek on the East Plant Area. The OMM work was completed on May 11, 2011.
- j. Parcel 22 Removal Action Work Plan was submitted on July 18, 2003 and approved by EPA on July 23, 2003.
  - i. The following Addendum for modifications to stockpile sampling was submitted to and approved by EPA: Parcel 22 and Downstream Parcels Removal Action Work Plan Addendum No. 1 dated May 10, 2005 and approved by EPA on June 15, 2005.
  - ii. The Construction Certification Report for the Parcel 22 Removal Action was submitted on May 14, 2010 and approved on April 11, 2011.
  - iii. The Parcel 22 Interim Operation, Maintenance, and Monitoring Plan was submitted to EPA on May 14, 2010 and approved on April 11, 2011.
- k. Downstream Parcels Removal Action Work Plan was submitted to EPA October 28, 2003 and approved by EPA on May 25, 2004. The following Addenda for modifications to stock pile sampling, updated construction drawings, and procedures for removal of stockpiled PCB impacted material were submitted to and approved by EPA:
  - i. Parcel 22 and Downstream Parcels Removal Action Work Plan Addendum No. 1 dated May 10, 2005 and approved by EPA on June 15, 2005;
  - ii. Downstream Parcels Removal Action Work Plan Addendum No. 2 dated April 22, 2005 and was approved by EPA on November 7, 2005; and
  - iii. Downstream Parcels Removal Action Work Plan Addendum No. 3 dated March 25, 2011 and approved by EPA on March 31, 2011.
- l. A Site Source Control (SSC) Work Plan dated November 6, 2003 and approved by EPA on May 25, 2004 was developed and implemented as described in the CERCLA AOC to identify, characterize, and present a strategy to address seeps and springs, with potential to re-contaminate the surface water features in the vicinity of the Facility with PCBs following completion of Removal Action activities. The following Addenda for design and construction of collection systems, seeps and spring Monitoring Program, and Spring 018 studies were submitted to and approved by EPA:
  - i. SSC Work Plan Addendum No. 1 dated May 4, 2004 and approved by EPA on April 21, 2004;
  - ii. SSC Work Plan Addendum No. 2 dated July 29, 2004 and approved by EPA on December 14, 2006;

- iii. SSC Work Plan Addendum No. 3 dated November 17, 2004 and approved by EPA on December 14, 2006;
  - iv. SSC Work Plan Addendum No. 4 dated June 22, 2005 and approved by EPA on December 14, 2006;
  - v. SSC Work Plan Addendum No. 5 dated November 9, 2006 and approved by EPA on November 21, 2006;
  - vi. SSC Work Plan Addendum No. 6 was originally submitted in November 2006 and approved by EPA with comments on August 28, 2007. The final version of the Work Plan incorporating EPA's comments was submitted September 6, 2007; and
  - vii. SSC Work Plan Addendum No. 7 dated April 6, 2009.
- m. The Spring 018 Creek Sealing Design, which presented the design for the placement of a low permeability concrete seal over the creek bottom in proximity to Spring 018, was submitted on November 14, 2012 and approved by EPA on December 4, 2012. The work was completed over the period from December 2012 through February 2013.
  - n. The Spring 018 Collection and Treatment Cessation Memorandum was originally submitted on June 26, 2012 and amended on March 19, 2013 and subsequently amended via discussions with EPA and approved by EPA on June 19, 2013; which allowed for the cessation of collection and treatment of Spring 018 water with the condition that Spring 018 monitoring continue and GM LLC be prepared to reinstitute collection and treatment should future samples exceed the agreed upon discharge criteria.
  - o. The Construction Certification Report Bailey's Branch Creek and Tributary 3 Concrete Sealing – Spring 018 Interim Measure was submitted on February 20, 2014.
  - p. The RCRA Corrective Action Program Interim Measures Alternatives Review Report - East Plant Area dated April 13, 2005.
    - i. Final (100%) Design – Grading Areas 1 and 2 for the East Plant Area Interim Measure dated June 10, 2005.
    - ii. Design Report Over 50 mg/kg PCB Soil Removal – East Plant Area dated May 26, 2006.
    - iii. East Plant Area Cover System Final Design dated April 18, 2008.
    - iv. Proposed Grading Areas 3 and 4 Pre-Final Design Drawings dated January 16, 2006.
    - v. Vault Annual Compliance Report, East Plant Area Vault, Calendar Years 2006 to 2012.
  - q. The Groundwater Collection Trench Pilot Study Area East Plant – Station 24+00 to WW 6 dated November 25, 2008.

- r. The Construction Certification Report East Plant Area Vault dated January 8, 2014.
- s. All sampling and analysis conducted at the Facility was performed in accordance with the July 18, 2001 Quality Assurance Project Plan (QAPP) Preliminary RCRA Facility Investigation Activities, the July 25, 2006 revised QAPP (Addendum 2), and the Region 5 Quality Assurance Project Plan Policy (April 1998) as appropriate for the site.

#### V. DETERMINATIONS

13. After consideration of the Administrative Record, the Director, Land and Chemicals Division, EPA Region 5, has made the following conclusions of law and determinations:
- a. Respondent is a "person" within the meaning of Section 1004(15) of RCRA, 42 U.S.C. § 6903(15).
  - b. Respondent is the owner or operator of a facility that has operated under interim status subject to Section 3005(e) of RCRA, 42 U.S.C. § 6925(e).
  - c. Certain wastes and constituents found at the Facility are hazardous wastes and/or hazardous constituents pursuant to Sections 1004(5) and 3001 of RCRA, 42 U.S.C. §§ 6903(5) and 6921, and 40 C.F.R. Part 261.
  - d. There is or has been a release of hazardous wastes or hazardous constituents into the environment from the Facility.
  - e. The actions required by this Order are necessary to protect human health or the environment.

#### VI. PROJECT MANAGER

14. EPA and Respondent must each designate a Project Manager and notify each other in writing of the Project Manager selected within 14 days of the effective date of this Order. Each Project Manager will be responsible for overseeing the implementation of this Project. The parties must provide prompt written notice whenever they change Project Managers.

#### VII. WORK TO BE PERFORMED

15. Pursuant to Section 3008(h) of RCRA, 42 U.S.C. § 6928(h), Respondent agrees to and is hereby ordered to perform the actions specified in Section VII (hereinafter, the "Work"), in the manner and by the dates specified herein. Respondent represents that it has the technical and financial ability to carry out corrective action at the Facility. Respondent must perform the Work undertaken pursuant to this Order in compliance with RCRA and other applicable federal and state laws and their implementing regulations, and consistent with all relevant EPA guidance documents as appropriate to the Facility. This guidance includes, but is not limited to, the Documentation of Environmental Indicator Determination Guidance, relevant portions of the Model Scopes of Work for RCRA Corrective Action, and EPA's risk assessment guidance.

16. Respondent must complete the identification and definition of the nature and extent of releases of hazardous waste and hazardous constituents at or from the Facility as follows:
  - a. Using the Current Conditions Report and the additional information obtained from any Facility investigations performed as part of this RFI to date as a basis, perform any additional investigation necessary to complete the RFI identifying the nature and extent of any releases of hazardous waste and hazardous constituents at or from the Facility which may pose an unacceptable risk to human health and the environment and provide an investigation report to EPA for review and approval no later than August 31, 2015. The RFI report must also describe the nature and extent of any releases of hazardous waste and hazardous constituents at or from the Facility which do not pose an unacceptable risk to human health and the environment, and provide the basis for those conclusions, including an evaluation of the risks. The discrete subsurface data collected as part of the Self Implementing Plan (SIP) for the plant equipment replacement and associated plant renovations will be included as an attachment to the RFI Report.
    - i. The remaining investigative task consists of shallow soil sampling in various areas around the Plant property. Respondent will submit the Soil Sampling Work Plan for this task to EPA within 90 days following the effective date of this Order.
17. Respondent must complete the design, submittal and construction of the Perimeter Groundwater Trench Collection System, as previously selected and described in Paragraph 11.a.vi. The Perimeter Groundwater Trench Collection System will be installed in two phases. The first phase consists of a portion of the Perimeter Groundwater Trench Collection System, as depicted in the design drawings required in Paragraph 17.a, and will herein be referred to as the Pilot Perimeter Groundwater Trench Collection System. The second phase consists of the balance of the Perimeter Groundwater Trench Collection System.
  - a. The design and construction schedule for the Pilot Perimeter Groundwater Trench Collection System will be submitted to EPA within 120 days following the effective date of this Order.
  - b. Respondent will submit a pilot trench interim groundwater monitoring program and operation schedule 60 days following construction completion of the Pilot Perimeter Groundwater Trench Collection System (“the Pilot Trench Study”) to collect operational data and to monitor the impact to groundwater.
  - c. The design and construction schedule for the balance of the Perimeter Groundwater Trench Collection System will be submitted to EPA within 120 days following completion of the Pilot Trench Study. The portions of the pilot trench groundwater monitoring program in support of the CA750 Environmental Indicator will continue until the long term OMMP is in place, as set forth and detailed in Paragraph 27.c.
18. Respondent must complete the design, submittal and construction of the AOI 8 Area Groundwater Source Collection System, as previously selected and described in Paragraph 11.a.v. The design and construction schedule for the AOI 8 Area Groundwater Source Collection System will be submitted to EPA 150 days following the effective date of the Order.

19. Respondent must submit a Construction Certification Report for the Downstream Parcels Removal Action within 120 days following the completion of the Work described in the Downstream Parcels Removal Action Work Plan for Work remaining on Parcels 40 and 81. The report will include a summary of remediation and restoration work.
20. Respondent must submit a Construction Certification Report for the West Plant Interim Measures to EPA within 100 days following the effective date of the Order.
21. Respondent must submit a Construction Certification Report for the East Plant Area Cover System, including a summary of interim OMM activities, to EPA within 210 days following the effective date of the Order.
22. Respondent must submit an Annual Compliance Report for the East Plant Area TSCA Vault, no later than July 15 of the calendar year, in accordance with Paragraph 27 of the Conditions of Approval dated October 26, 2006 of the TSCA Risk-Based Approval to Dispose of Poly Chlorinated Biphenyls.
23. Respondent must timely submit for EPA review and approval any proposed additional interim measures necessary to control current human exposures to contamination or to stabilize the migration of contaminated groundwater as required under Paragraph 27 at least 90 days prior to the planned initiation of construction work, unless a shorter time period is approved by EPA in writing. Any proposed additional interim measures must contain a work plan and a project schedule. The EPA Project Manager will determine whether any public participation activities are appropriate prior to acting on the request for approval.
24. Nothing herein shall be construed as restricting Respondent from performing an immediate or emergency response to a release or threat of a release as may be necessary to protect human health or the environment. Upon the discovery of a release or threat of a release of hazardous wastes or hazardous constituents to the environment from the Facility requiring an immediate or emergency response in accordance with the preceding sentence, Respondent must provide prompt verbal notification to EPA and provide written notification within 7 days, summarizing the immediacy and magnitude of the potential threats to human health and the environment and the immediate or emergency response performed.
25. Respondent must submit a Monitoring and Maintenance Plan (MMP) for the Downstream Removal Action third party parcels managed by GM LLC (Parcels 15, 21, 24, 25, 29, 30, 36, 40, 72, and 81) to EPA within 60 business days after the completion of the Work described in the Downstream Parcels Removal Action Work Plan for Work remaining on Parcels 40 and 81. Respondent must revise and resubmit the MMP in response to EPA's written comments, if any, by the date EPA specifies.
26. A Long Term OMMP for all of the completed Work will be submitted with the Final Corrective Measures Proposal within 90 days of receiving EPA written approval of the RFI Report for the Facility as required by Paragraphs 28 and 29.
27. Respondent must:
  - a. Control any additional unacceptable current human exposures related to releases at the

Facility or that have migrated from the Facility, that Respondent identifies on GM Order Properties. This includes performing any interim measures approved by EPA necessary to control current human exposures to contamination to within acceptable risk levels.

- b. Continue to operate seep controls on the Facility to stabilize the migration of contaminated groundwater until the perimeter groundwater trench collection system is constructed. Once the perimeter groundwater trench collection system is constructed and operational, operation of those seep controls that are upgradient to the perimeter groundwater trench or contained within the groundwater capture zone of the perimeter groundwater trench collection system may be discontinued.
  - c. Continue to collect and submit groundwater monitoring and measurement data in support of the CA750 Environmental Indicator to confirm that any contaminated groundwater remains within the original area of contamination until the perimeter groundwater trench collection system is constructed and operational. The monitoring program in support of the CA750 Environmental Indicator will be replaced by the interim groundwater monitoring program for the Perimeter Groundwater Trench Collection System as referenced in Paragraph 17.b upon EPA approval and continue until such time as the final long Term OMMP is approved as referenced in Paragraph 29 and 34.e. Initially, groundwater monitoring will be conducted semi-annually, but the frequency may be reduced upon approval by EPA.
  - d. For any interim measure selected after the effective date of this Order, prepare and submit to EPA a construction completion report within 90 days of interim measures completion, that describes any interim measures performed to meet the requirements of this Section including sampling documentation, construction completion documentation and/or confirmatory sampling results.
28. Respondent must propose to EPA within 90 days after receiving EPA written approval of the RFI Report final corrective measures necessary to protect human health and the environment from all current and future unacceptable risks due to releases of hazardous waste or hazardous constituents at or migrating from the Facility (the "Final Corrective Measures Proposal"). The proposal must describe all corrective measures implemented at GM Order Properties. The proposal must also include a description of all other final corrective measures that Respondent evaluated, a detailed explanation of why Respondent preferred the proposed final corrective measures, and cost estimates for the final corrective measures evaluated. The proposal must also include a detailed schedule to construct and implement the final corrective measures, and provision to submit a Final Remedy Construction Completion Report. The proposed schedule must provide for Respondent to complete as much of the remaining construction work as practicable within one year after EPA selects the final corrective measures and that Respondent complete all final corrective measures (other than Long Term OMMP) within a reasonable period of time to protect human health and the environment.
29. As part of developing its Final Corrective Measures Proposal, Respondent must propose appropriate risk screening criteria, cleanup objectives, and points of compliance under current and reasonably expected future land use scenarios and provide the basis and justification for these decisions. The Respondent shall use the risk screening criteria and cleanup objectives in the manner specified in the CERCLA AOC for off-Facility GM Order Properties, and for the



Facility, the risk screening cleanup objectives set-forth in the East Plant Area Interim Measure, unless the Respondent can demonstrate that a less stringent cleanup objective is appropriate. The Final Corrective Measures Proposal must include a final Long Term OMMP for all of the completed Work which shall govern post-construction operation, maintenance and monitoring activities. Upon EPA's Final Decision, Respondent must implement the Long Term OMMP according to the schedule and terms of the plan.

30. EPA may require monitoring of some of the downstream properties that GM does not own where 1) access is specified in the deed, 2) where public access points are available or 3) where access agreements can be obtained.
31. EPA may request supplemental information from Respondent if EPA determines that any submission required under this Order does not provide an adequate basis to select final corrective measures that will protect human health and the environment from the release of hazardous waste and hazardous constituents at or from the Facility. Respondent must provide timely any supplemental information that EPA requests in writing.
32. EPA will provide the public with an opportunity to review and comment on its proposed final corrective measures, including a detailed description and justification for the proposal (the "Statement of Basis") during the public comment period. Following the public comment period, EPA will select the final corrective measures, and will notify the public and the Respondent of the decision and rationale in a "Final Decision and Response to Comments" ("Final Decision").
33. Except as provided for in Paragraph 68 of Section XIII (Dispute Resolution) upon notice by EPA, Respondent must implement the final corrective measures selected in EPA's Final Decision according to the schedule in the Final Decision.
34. Reporting and other requirements:
  - a. Respondent must maintain the existing publicly accessible repository for information regarding site activities and conduct public outreach and involvement activities until the Final Remedy Construction Completion Report has been approved.
  - b. Respondent must provide quarterly progress reports to EPA by the fifteenth day of the month after the end of each quarter until the Final Remedy Construction Completion Report is approved by EPA, and then annually thereafter. The report must list Work performed to date, data collected, problems encountered, project schedule, and percent project completed.
  - c. The parties will communicate frequently and in good faith to assure successful completion of the requirements of this Order, and will meet in person on at least an annual basis until the Final Remedy Construction Completion Report is approved by EPA to discuss the Work proposed and performed under this Order. Thereafter, the parties will determine the appropriate frequency of ongoing communication not otherwise specified by this Order. Consistent with the attached EPA letter, dated September 9, 2013 (Exhibit 2), the parties will use best efforts to identify, discuss, and resolve potential issues as early as possible regarding draft deliverables through the use of informal meetings, conference calls and e-

mail, with the goal that the Respondent's submitted deliverables may be approved by EPA under Section VIII (EPA Approval of Deliverables) without significant additional comment or revision. However, any failure by either EPA or Respondent to comply with the informal process described in Exhibit 2 shall not excuse Respondent from performance in compliance with and by the deadlines required by this Order.

- d. Respondent must provide a Final Remedy Construction Completion Report documenting all Work that it has performed pursuant to the schedule in EPA's Final Decision. The Final Remedy Construction Completion Report must provide a description of the environmental results of the final remedy and any interim corrective measures including, but not limited to, (1) the volume, for each of the following that were treated or removed, as appropriate for the corrective measures performed: soil, sediment, vapor, groundwater, surface water, and materials in containers addressed or to be addressed by the response actions; and, (2) an estimate of the mass of contaminants mitigated as part of those materials addressed. Documentation of the implementation of the interim measures identified in Paragraphs 17 and 18 will be included in the Final Remedy Construction Completion Report.
- e. Respondent must revise the Long-Term OMMP, if required, upon Final Remedy Construction Completion and include the revised Long Term OMMP in the Final Remedy Construction Completion Report. Respondent must revise and resubmit the report in response to EPA's written comments, if any, by the dates EPA specifies. Upon EPA's written approval, Respondent must implement the revised Long Term OMMP according to the schedule and terms of the plan.
- f. Any risk assessments Respondent conducts must estimate human health and ecological risk under reasonable maximum exposure for both current and reasonably expected future land and resource use scenarios. In conducting the risk assessments, Respondent will follow the EPA's Risk Assessment Guidance for Superfund (RAGS) or other appropriate EPA guidance. Respondent will use appropriate screening values when screening to determine whether further investigation is required. Appropriate screening values may be derived from sources including Federal Maximum Contaminant Levels, EPA Regional Screening Levels, EPA Region 5 Ecological Screening Levels, IDEM screening criteria, or RAGS. Respondent may develop remedial goals utilizing site-specific information such as soil type, exposure frequency (e.g., snow-ice surface cover) or exposure scenario. Respondent may propose to use peer reviewed scientific literature where necessary information is not readily available through EPA guidance.
- g. All sampling and analysis conducted under this Order must be performed in accordance with the July 18, 2001 QAPP, the July 25, 2006 revised QAPP (Addendum 2), and the Region 5 RCRA Quality Assurance Project Plan Policy (April 1998) or amendments agreed upon with EPA as appropriate for the site, and be sufficient to identify and characterize the nature and extent of all releases as required by this Order. EPA may audit laboratories Respondent selects or require Respondent to purchase and have analyzed any performance evaluation samples selected by EPA which are compounds of concern. Respondent must notify EPA in writing at least 14 days before beginning each separate phase of field work performed under this Order. At the request of EPA, Respondent will provide or allow EPA or its authorized representative to take split or duplicate samples of all samples Respondent collects under this Order.

- h. Respondents shall provide cost estimates in any investigation and/or remedial measure work plan submittal.
35. The EPA Project Manager may extend any deadline in this Section for 90 days or less with written notice to the Respondent. Extensions of greater than 90 days require written approval from the Chief of the Remediation and Reuse Branch, Land and Chemicals Division.

#### VIII. EPA APPROVAL OF DELIVERABLES

36. Respondent must submit deliverables required by Paragraphs 16.a, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27.d, 28, 29, 34.b and 34.d of this Order to EPA for approval or modification. All deliverables must be received at EPA by the dates specified pursuant to this Order.
37. For all deliverables described in Paragraph 36 that require EPA review and approval, EPA will make good faith efforts to act pursuant to this Section within 60 days of receipt of the deliverables required by Paragraphs 16.a, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27.d, 28, 29, 34.b and 34.d. If EPA fails to act within this 60-day period, EPA will grant Respondent's reasonable request for an extension of any subsequent deadline that is affected.
38. After review of any deliverable that is required to be approved pursuant to this Order, EPA will: (a) approve, in whole or in part, the submission; (b) approve the submission upon specified conditions; (c) modify the submission to cure the deficiencies; (d) disapprove, in whole or in part, the submission, directing that Respondent modify the submission; or (e) any combination of the above. However, EPA will not modify a submission without first providing Respondent with a notice of deficiency and an opportunity to cure within 60 days or such longer time as specified by EPA, except where EPA determines that to do so would cause serious disruption to the Work or where EPA has previously disapproved that particular submission(s) due to a material defect and EPA determines that the deficiencies in the resubmission indicate a bad faith lack of effort to submit an acceptable deliverable.
39. In the event of approval, approval upon specified conditions, or modification by EPA, pursuant to Paragraph 38.a, b, or c, Respondent must proceed to take any action required by the deliverable, as approved or modified by EPA subject only to Respondent's right to invoke the Dispute Resolution procedures set forth in Section XIII (Dispute Resolution) relating to the modifications or conditions made by EPA. In the event that EPA modifies the submission to cure the deficiencies pursuant to Paragraph 38.c and EPA determines the submission has a material defect, EPA retains its right to seek stipulated penalties, subject to the provisions set forth in Section XII (Stipulated Penalties).
40. Resubmission of Deliverable. Upon receipt of a notice of disapproval, in whole or in part, pursuant to Paragraph 38.d, Respondent must, within 60 days or such longer time as specified by EPA in such notice, correct the deficiencies and resubmit the deliverable for approval. Any stipulated penalties applicable to the submission, as provided in Section XII (Stipulated Penalties), shall accrue during the 60 day opportunity to cure period or otherwise specified period but shall not be payable unless the resubmission is disapproved or modified due to a material defect as provided in Paragraph 38.

41. Notwithstanding the receipt of a notice of disapproval pursuant to Paragraph 38.d, Respondent must proceed, at the direction of EPA, to take any action required by any non-deficient portion of the submission. Implementation of any non-deficient portion of a submission shall not relieve Respondent of any liability for stipulated penalties for the deficient portion of the deliverable under Section XII (Stipulated Penalties).
42. In the event that a resubmitted deliverable, or portion thereof, is disapproved by EPA, EPA may again require Respondent to correct the deficiencies, in accordance with the preceding Paragraphs. EPA also retains the right to modify or develop the plan, report or other item subject to the conditions set forth in Paragraph 38. Respondent must implement any action as required in a deliverable which has been modified or developed by EPA, subject only to Respondent's right to invoke the procedures set forth in Section XIII (Dispute Resolution).
43. If upon resubmission, a deliverable is disapproved or modified by EPA due to a material defect, Respondent shall be deemed to have failed to submit such deliverable timely and adequately unless Respondent invokes the dispute resolution procedures set forth in Section XIII (Dispute Resolution) and EPA's action to disapprove or modify a deliverable is overturned pursuant to that Section. The provisions of Section XIII (Dispute Resolution) and Section XII (Stipulated Penalties) shall govern the implementation of the Work and accrual and payment of any stipulated penalties during Dispute Resolution. If EPA's disapproval or modification is upheld, stipulated penalties shall accrue for such violation from the date on which the initial submission was originally required, as provided in Section XII (Stipulated Penalties).
44. All deliverables required to be submitted to EPA under this Order, shall, upon approval or modification by EPA, be incorporated into and be enforceable under this Order. In the event EPA approves or modifies a portion of a deliverable required to be submitted to EPA under this Order, the approved or modified portion shall be enforceable under this Order.

#### IX. ACCESS

45. For any purpose related to this Order, upon reasonable notice, and at reasonable times, EPA, its contractors, employees, and any designated EPA representatives may enter and freely move about the Facility to, among other things: interview Facility personnel and contractors with respect to the requirements set forth in this Order; review Respondent's progress in carrying out the terms of this Order; conduct tests, sampling, or monitoring as EPA deems necessary to verify compliance with the Order; use a camera, sound recording, or other documentary equipment to document compliance with the Order; and verify the reports and data Respondent submits to EPA. Respondent will permit such persons to inspect and copy all non-privileged photographs and documents, including all sampling and monitoring data, that pertain to Work undertaken under this Order and that are within the possession or under the control of Respondent or its contractors or consultants. Respondent may request split samples, or copies of all photographs, tapes, videos or other recorded evidence created by EPA and releasable under the Freedom of Information Act.
46. If Respondent must go beyond the Facility's boundary to perform Work required by this Order, to the extent it does not currently have an access agreement Respondent must use its best efforts to obtain any such new access agreements from the present owner(s) of such property within 30 days after Respondent knows of the need for access. Any such access agreement must

provide for access by EPA and its representatives. Respondent must submit a copy of any access agreement dated after the effective date of this Order to EPA's Project Manager. If it does not obtain agreements for access within 30 days, Respondent must notify EPA in writing within 14 additional days of both the efforts undertaken to obtain access and the failure to obtain access agreements. EPA may, at its discretion, assist Respondent in obtaining access. If Respondent in good faith cannot obtain timely access, the deadlines in Paragraphs 16.a, 28, and 29 may be adjusted accordingly.

47. Nothing in this Section limits or otherwise affects EPA's right of access and entry under applicable law, including RCRA and the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 U.S.C. §§ 9601-9675.

X. COST ESTIMATES AND ASSURANCES OF FINANCIAL RESPONSIBILITY  
FOR COMPLETING THE WORK

48. Estimated Cost of the Work:

- a. Respondent must submit to EPA detailed written estimates, as described in Paragraph 48, in current dollars, of the cost of hiring a third party to perform the Work (Cost Estimate). A third party is a party who (i) is neither a parent nor a subsidiary of Respondent and (ii) does not share a common parent or subsidiary with Respondent. The Cost Estimate shall not incorporate any salvage value that may be realized from the sale of wastes, Facility structures or equipment, land or other assets associated with the Facility.
- b. Respondent has submitted, and EPA has approved, an initial Cost Estimate consistent with Paragraph 48.a which covers the cost of performing the Work required by Paragraphs 16.a, 17, 18, 19, 20, 21, 22, 25, 26, 28, 29, and 34.b.
- c. Within 30 days of receipt by Respondent of the Final Decision under Paragraph 32, Respondent must submit to EPA for review and approval a revised Cost Estimate accounting for the costs of all remaining Work, including, but not limited to, all remaining investigations and reports, construction Work, implementation, monitoring, and other long term care work (i.e. Long Term OMMP).
- d. Respondent must annually adjust the Cost Estimate for inflation and for changes in the scope of the Work. By November 16th of each year Respondent must submit the annually adjusted Cost Estimate to EPA for review and approval.
- e. EPA will review each Cost Estimate submitted by Respondent and will notify Respondent of EPA's approval, approval with modifications, or disapproval of the Cost Estimate. EPA shall review and either approve or disapprove Respondent's annual Cost Estimate no later than January 15 of each year to provide Respondent with sufficient time to satisfy its obligations as set forth in Paragraph 49.b, below. EPA's disapproval of any Cost Estimate must be consistent with Paragraph 48.f below.
- f. If at any time EPA determines that a Cost Estimate provided pursuant to this Paragraph is inadequate, EPA shall notify Respondent in writing, stating the basis for its determination. If at any time Respondent becomes aware of information indicating that any Cost Estimate

provided pursuant to this Section is inadequate, Respondent must notify EPA in writing of such information within ten (10) days. Within 30 days of EPA's notification, Respondent must submit a revised Cost Estimate to EPA for review.

49. Assurances of Financial Responsibility for Completing the Work:

- a. In order to secure the full and final completion of the Work in accordance with this Order, Respondent shall establish and maintain financial assurance for the benefit of EPA in the amount of the most recent approved Cost Estimate. Respondent has selected as initial financial assurance a Surety Bond pursuant to Paragraph 49.d.i – vi, below, in the amount of the approved initial Cost Estimate and in the form attached hereto as Exhibit 3. The initial financial assurance as set forth in Exhibit 3 is satisfactory to EPA in form and substance. Within 45 days after the effective date of this Order, Respondent shall execute or otherwise finalize all instruments or other documents required in order to make the selected financial assurance legally binding in a form substantially identical to the documents attached hereto as Exhibit 3, and such financial assurance shall be fully effective. Respondent shall submit all executed and/or otherwise finalized instruments or other documents to EPA within 60 days after the effective date of this Consent Order.
- b. Respondent must annually adjust the financial instrument or financial test demonstration as necessary to reflect the most recent Cost Estimate approved by EPA by April 1st of each calendar year. Respondent must use one or more of the financial assurance forms described in Paragraphs 49.d.i – vi, below. If the annual adjustment is insignificant (a cumulative increase of less than 5%), Respondent may propose no adjustment is necessary.
- c. Any and all financial assurance documents provided pursuant to this Order must be submitted to EPA for review in draft form, without the inflation adjusted Cost Estimate amount if such information is not yet available to Respondent, at least 45 days before they are due to be filed and must be compliant with 40 C.F.R Part 264, Subpart H, and this Order as determined by EPA. Respondent must maintain adequate financial assurance until EPA releases Respondent from this requirement under Paragraph 50.c below.
- d. To fulfill any financial assurance obligation pursuant to this Order, Respondent shall select and implement one or more of the mechanisms specified in Paragraph 49.d.i - vi below that are substantially equivalent to 40 C.F.R. Part 264, Subpart H.
  - i. A trust fund established for the benefit of EPA, administered by a trustee who has the authority to act as a trustee under Federal or State law and whose trust operations are regulated and examined by a Federal or State agency, and that is acceptable in all respects to the EPA. The trust agreement must provide that the trustee must make payments from the fund as the Director, Land and Chemicals Division, EPA Region 5, shall direct in writing to (1) reimburse Respondent from the fund for expenditures made by Respondent for Work, or (2) to pay any other person whom the Director, Land and Chemicals Division, EPA Region 5, determines has performed or will perform the Work. The trust agreement must further provide that the trustee must not refund to the grantor any amounts from the fund unless and until EPA has advised the trustee that the Work has been successfully completed.



- ii. A surety bond guaranteeing performance of the Work, or guaranteeing payment at the direction of EPA into a standby trust fund that meets the requirements of the trust fund in Paragraph 49.d.i, above. The surety company issuing the bond must, at a minimum, be among those listed as acceptable sureties on Federal Bonds as set forth in Circular 570 of the U.S. Department of Treasury.
- iii. An irrevocable letter of credit, payable at the direction of the Director, Land and Chemicals Division, EPA Region 5, into a standby trust fund that meets the requirements of the trust fund in Paragraph 49.d.i, above. The letter of credit must be issued by a financial institution (i) that has the authority to issue letters of credit, and (ii) whose letter-of-credit operations are regulated and examined by a Federal or State agency.
- iv. An insurance policy that (i) provides EPA with rights as a beneficiary and (ii) is issued by an insurance carrier that (a) has the authority to issue insurance policies in the applicable jurisdiction, and (b) whose insurance operations are regulated and examined by a Federal or State agency. The insurance policy must be issued for a face amount at least equal to the Cost Estimate, except where costs not covered by the insurance policy are covered by another financial assurance instrument, as permitted in Paragraph 49.d. The policy must provide that the insurer shall make payments as the Director, Land and Chemicals Division, EPA Region 5, shall direct in writing (i) to reimburse Respondent for expenditures made by Respondent for Work performed in accordance with this Order, or (ii) to pay any other person whom the Director, Land and Chemicals Division, EPA Region 5, determines has performed or will perform the Work in accordance with this Order, up to an amount equal to the face amount of the policy. The policy must also provide that it may not be canceled, terminated or non-renewed and the policy shall remain in full force and effect in the event that (i) the Respondent is named as a debtor in a voluntary or involuntary proceeding under Title 11 (Bankruptcy), U.S. Code; or (ii) EPA notifies the insurer of Respondent's failure to perform, under Paragraph 51 of this Section.
- v. A corporate guarantee, executed in favor of the EPA by one or more of the following: (1) a direct or indirect parent company, or (2) a company that has a "substantial business relationship" with Respondent (as defined in 40 C.F.R. § 264.141(h)), to perform the Work or to establish a trust fund as permitted by Paragraph 49.d.i, above; provided, however, that any company providing such a guarantee must demonstrate to the satisfaction of the EPA that it satisfies the financial test requirements of 40 C.F.R. § 264.143(f) with respect to the portion of the Cost Estimate that it proposes to guarantee.
- vi. A demonstration by Respondent that it meets the financial test criteria of 40 C.F.R. § 264.143(f) with respect to the Cost Estimate, provided that all other requirements of 40 C.F.R. § 264.143(f) are satisfied.
- e. Respondent must submit all original executed and/or otherwise finalized instruments to EPA's Regional Comptroller (MF-10J), 77 W. Jackson Blvd., Chicago, IL 60604-3590, within 30 days after date of execution or finalization. A transmittal letter stating the name and RCRA ID number of the Facility, Respondent's name and address, and the EPA docket number of this Order must accompany the instruments. Respondent must also provide

copies to the EPA Project Manager.

- f. If at any time Respondent provides financial assurance for completion of the Work by means of a corporate guarantee or financial test, Respondent must also comply with the other relevant requirements of 40 C.F.R. § 264.143(f), 40 C.F.R. § 264.151(f), and 40 C.F.R. § 264.151(h)(1) relating to these methods, and will promptly provide any additional information requested by EPA from Respondent or corporate guarantor at any time.
- g. For purposes of the corporate guarantee or the financial test described above, references in 40 C.F.R. § 264.143(f) to “the sum of current closure and post-closure costs and the current plugging and abandonment cost estimates” shall mean “the sum of all environmental remediation obligations” [including obligations under CERCLA, RCRA, Underground Injection Control (UIC), the Toxic Substances Control Act (TSCA) and any other state or tribal environmental obligation] guaranteed by such company or for which such company is otherwise financially obligated in addition to the Cost Estimate.
- h. Respondent may combine more than one mechanism to demonstrate financial assurance for the Work, except mechanisms guaranteeing performance rather than payment may not be combined with other instruments.
- i. Respondent may satisfy its obligation to provide financial assurance for the Work by providing a third party who assumes full responsibility for the Work and otherwise satisfies the obligations of the financial assurance requirements of this Order; however, Respondent shall remain responsible for providing financial assurance in the event such third party fails to do so and any financial assurance from a third party must be in one of the forms provided in Paragraphs 49.d.i - iv, above.
- j. If at any time EPA determines that a financial assurance mechanism provided pursuant to this Section is inadequate, EPA shall notify Respondent in writing specifying the basis of its determination. If at any time Respondent becomes aware of information indicating that any financial assurance mechanism(s) provided pursuant to this Section is inadequate, Respondent must notify EPA in writing of such information within ten (10) days. Within 90 days of receipt of notice of EPA's determination, or within 90 days of Respondent's becoming aware of such information, Respondent must establish and maintain adequate financial assurance for the benefit of the EPA which satisfies all requirements set forth in this Section. Any and all financial assurance documents provided pursuant to this Order must be submitted to EPA for review in draft form at least 45 days before they are due to be filed and must be compliant with 40 C.F.R Part 264, Subpart H, and this Order as determined by EPA.
- k. Respondent's inability or failure to establish or maintain financial assurance for completion of the Work shall in no way excuse performance of any other requirements of this Order.

50. Modification of Amount and/or Form of Performance Guarantee:

- a. Reduction of Amount of Financial Assurance. If, at any time other than when the annual adjustment is due, Respondent believes that the Cost Estimate has diminished below the

amount covered by the existing financial assurance provided under this Order and it is not expected to increase prior to the next annual adjustment, Respondent may submit a written proposal to EPA for approval to reduce the amount of the financial assurance to equal the proposed new Cost Estimate.

- b. Change of Form of Financial Assurance. If, at any time other than when the annual adjustment is due, Respondent desires to change the form or terms of financial assurance, Respondent may submit a written proposal to EPA for approval to change the form of financial assurance. The written proposal must specify all proposed instruments or other documents required in order to make the proposed financial assurance satisfy all requirements set forth in this Section. Upon EPA acceptance Respondent must execute and/or otherwise finalize all instruments or other documents required in order to make the selected financial assurance legally binding. Respondent must submit all executed and/or otherwise finalized instruments or other documents required in order to make the selected financial assurance legally binding to the EPA Comptroller's Office, with a copy to EPA's Project Manager, with a transmittal letter, as provided in Paragraph 49.e, above.
- c. Release of Financial Assurance. Respondent may submit a written request to the Director, Land and Chemicals Division, EPA Region 5, that EPA release Respondent from the requirement to maintain financial assurance under this Section once EPA and Respondent have both executed an "Acknowledgment of Termination and Agreement to Record Preservation and Reservation of Right" pursuant to Section XX (Termination and Satisfaction) of the Order. The Director, Land and Chemicals Division, EPA Region 5, shall notify both Respondent and the provider(s) of the financial assurance within 30 days of determining that Respondent is released from all financial assurance obligations under this Order.
- d. Return of Letter of Credit or Surety Bond. EPA shall coordinate with the Respondent for the prompt return of any original letter of credit or Surety Bond for the Work in EPA's possession that is substituted by other financial assurances as approved by EPA consistent with Section X (Cost Estimates and Assurances of Financial Responsibility for Completing the Work).
- e. Cancellation of Surety Bond. EPA shall coordinate with the Respondent for the prompt cancellation of any surety bond for the Work in EPA's possession that is substituted by other financial assurances as approved by EPA consistent with Section X (Cost Estimates and Assurances of Financial Responsibility for Completing the Work).

#### 51. Performance Failure:

- a. If EPA determines that Respondent (i) has ceased implementing any portion of the Work, (ii) is significantly or repeatedly deficient or significantly or repeatedly late in its performance of the Work, or (iii) is implementing the Work in a manner that may cause an endangerment to human health or the environment, EPA may issue a written notice ("Performance Failure Notice") to the Respondent of Respondent's failure to perform. The notice issued by EPA will specify the grounds upon which such a notice was issued and will provide Respondent with a period of 45 days, or longer if EPA agrees in writing (Remedy Period), within which to remedy the circumstances giving rise to the issuance of

such notice. If the circumstances giving rise to the issuance of such notice are not remedied within the Remedy Period, EPA may then issue written notice to the financial assurance provider of Respondent's failure to perform.

- b. Failure by Respondent to remedy the relevant Performance Failure to EPA's satisfaction before the expiration of the Remedy Period specified in Paragraph 51.a shall trigger EPA's right to have immediate access to and benefit of the financial assurance provided pursuant to Paragraphs 49.d.i, 49.d.ii, 49.d.iii, 49.d.iv, or 49.d.v. If EPA is unable after reasonable efforts to secure payment of funds or performance of Work from the financial assurance provider, then upon written notice from EPA, Respondent must within 30 days deposit into a trust fund approved by EPA, a cash amount equal to the most recent Cost Estimate approved by EPA.
- c. In the event that Respondent initiates dispute resolution as provided in Section XIII (Dispute Resolution), with respect to EPA's decision to declare a performance failure and prevails, EPA shall return to Respondent all such funds obtained by EPA pursuant to Paragraph 51.b, consistent with the final EPA Dispute Decision and 40 C.F.R. Part 264, Subpart H. Such refund shall be contingent upon EPA's acceptance of Respondent's proposal to establish substitute financial assurance under this Section. Respondent shall then establish and maintain the substitute financial assurance in accordance with the requirements of this Section so that there is no gap in financial assurances. In the event of a dispute, Respondent may release, cancel, or terminate the financial assurance required hereunder only in accordance with the final EPA Dispute Decision resolving such dispute, this Section, and 40 C.F.R. Part 264, Subpart H.

#### XI. RECORD PRESERVATION

- 52. Respondent must retain, during the pendency of this Order and for at least six years after the Order terminates, all data and all final documents now in its possession or control or which come into its possession or control which relate to this Order. Respondent must notify EPA in writing 90 days before destroying any such records, and give EPA the opportunity to take possession of any non-privileged documents. Respondent's notice will refer to the effective date, caption, and docket number of this Order and will be addressed to:

Director  
Land and Chemicals Division  
EPA, Region 5  
77 W. Jackson Blvd.  
Chicago, IL 60604-3590

Respondent will also promptly give EPA's Project Manager a copy of the notice.

- 53. Respondent will not assert any privilege claim concerning any data gathered during any investigations or other actions required by this Order.

#### XII. STIPULATED PENALTIES

- 54. Respondent must, at EPA's sole discretion, pay the following stipulated penalties to the United

States for violations of this Order:

- a. For failure to submit a RCRA Facility Investigation report by the date required in Paragraph 16.a: \$1,000 per day for the first 14 days and \$2,000 per day thereafter.
  - b. For failure to submit interim measures construction completion reports as noted in and by the dates scheduled in Paragraph 27.d, above: \$1000 per day for the first 14 days and \$2000 per day thereafter.
  - c. For failure to submit groundwater monitoring and measurement data in support of the CA750 Environmental Indicator as identified in Paragraph 27.c: \$1,000 per day for the first 14 days and \$2,000 per day thereafter.
  - d. For failure to submit the Final Corrective Measures Proposal as required by Paragraph 28 \$1,000 per day for the first 14 days and \$2,000 per day thereafter.
  - e. For failure to implement according to the approved schedule, the selected final corrective measures as described in Paragraph 33: \$3,000 per day for the first 14 days and \$6,000 per day thereafter.
  - f. For failure to submit quarterly progress reports by the dates scheduled in Paragraph 34.b, above: \$1,000 per day for the first 14 days and \$2,000 per day thereafter.
  - g. For failure to submit the Final Remedy Construction Completion Report as scheduled in Paragraph 34.d: \$1,000 per day for the first 14 days and \$2,000 per day thereafter.
  - h. For failure to timely submit the Cost Estimate or establish or maintain the Assurances of Financial Responsibility for Completing the Work as required under Section X (Cost Estimates and Assurances of Financial Responsibility for Completing the Work) of the Order: \$1,000 per day for the first 14 days and \$2,000 per day thereafter.
55. Whether or not Respondent has received a notice of violation, stipulated penalties will begin to accrue on the day a violation occurs, and will continue to accrue until Respondent complies. Separate stipulated penalties for separate violations of this Order will accrue simultaneously. However, stipulated penalties shall not accrue: (a) with respect to a deficient submission under Section VII (Work to be Performed) and Section VIII (EPA Approval of Deliverables), during the period, if any, beginning on the 31st day after EPA's receipt of such submission until the date that EPA notifies Respondent of any deficiency; (b) with respect to a decision by EPA's Director of the Land and Chemicals Division designated in Paragraph 66 of Section XIII (Dispute Resolution), until the period, if any, beginning on the 21st day after the Negotiation Period begins until the date the EPA Dispute Decision is issued, and (c) during the period beginning on the 31st day after any party initiates mediation as provided for in Paragraph 63 of Section XIII (Dispute Resolution).
56. Respondent must pay any stipulated penalties owed to the United States under this Section within 60 days of receiving EPA's written demand to pay the penalties, unless Respondent invokes the dispute resolution procedures under Section XIII (Dispute Resolution). A written demand for stipulated penalties will describe the violation and will indicate the amount of

penalties due.

57. Interest will begin to accrue on any unpaid stipulated penalty balance beginning 61 days after Respondent receives EPA's demand letter. Interest will accrue at the current value of funds rate established by the Secretary of the Treasury. Under 31 U.S.C. § 3717, Respondent must pay an additional penalty of six percent per year on any unpaid stipulated penalty balance more than 90 days overdue.
58. Respondent must pay all penalties by certified or cashier's check payable to the United States of America, or by wire transfer, and will send the check to:

US Environmental Protection Agency  
Fines and Penalties  
Cincinnati Finance Center  
PO Box 979077  
St. Louis, MO 63197-9000

A transmittal letter stating the name of the Facility, Respondent's name and address, and the EPA docket number of this action must accompany the payment. Respondent will simultaneously send a copy of the check and transmittal letters to the EPA Project Manager.

59. Respondent may dispute EPA's assessment of stipulated penalties by invoking the dispute resolution procedures under Section XIII (Dispute Resolution). Except as provided for in Paragraphs 55, 67 and 68, the stipulated penalties in dispute will continue to accrue, but need not be paid, during the dispute resolution period. Respondent must pay stipulated penalties and interest, if any, according to the dispute resolution decision or agreement. Respondent must submit such payment to EPA within 30 days after receiving the resolution according to the payment instructions of this Section.
60. Neither invoking dispute resolution nor paying penalties will affect Respondent's obligation to comply with the terms of this Order not directly in dispute.
61. The stipulated penalties set forth in this Section do not preclude EPA from pursuing any other remedies or sanctions which may be available to EPA for Respondent's violation of any terms of this Order. However, EPA will not seek both a stipulated penalty under this Section and a statutory penalty for the same violation.

### XIII. DISPUTE RESOLUTION

62. The parties will use their best efforts to informally and in good faith resolve all disputes or differences of opinion.
63. If either party disagrees, in whole or in part, with any decision made or action taken under this Order, that party will notify the other party's Project Manager of the dispute. The Project Managers will attempt to resolve the dispute informally. Either party may propose the use of nonbinding mediation to facilitate informal dispute resolution. Both parties must agree in writing to the selection of a neutral mediator and to the initiation of mediation. The mediator selected by the parties must not have any past, present, or future business relationships with



the parties, other than for mediation activities; must be provided with a copy of this Order; and must agree to the terms and conditions for mediation contained in this Order. Either party may terminate mediation at any time. The parties agree that they will share equitably the costs of mediation, subject to the availability of EPA funds authorized for this purpose as determined by EPA in its sole discretion. The parties agree that participants in mediated discussions, including the mediator, shall execute a confidentiality agreement.

64. If the Project Managers cannot resolve the dispute informally, either party may pursue the matter formally by placing its objections in writing. A written objection must state the specific points in dispute, the basis for that party's position, and any matters which it considers necessary for determination.
65. EPA and Respondent will in good faith attempt to resolve the dispute through formal negotiations within 21 days, or a longer period if agreed in writing by the parties (the "Negotiation Period"). During the Negotiation Period, either party may request a conference with appropriate senior management to discuss the dispute.
66. If the parties are unable to reach an agreement during the Negotiation Period, within 14 business days after completion of the Negotiation Period end, Respondent and EPA's Project Manager may submit additional written information to the Director of the Land and Chemicals Division, EPA Region 5. EPA will maintain a record of the dispute, which will contain all statements of position and any other documentation submitted pursuant to this Section. EPA will allow timely submission of relevant supplemental statements of position by the parties to the dispute. Based on the record, EPA will respond to Respondent's arguments and evidence and provide a detailed written decision on the dispute signed by the Director of the Land and Chemicals Division, EPA Region 5 ("EPA Dispute Decision"). The parties agree that in issuing the EPA Dispute Decision, the Director of Land and Chemicals Division, EPA Region 5 may take into consideration the course of conduct of the parties under Paragraph 34.c. Respondent agrees not to judicially contest any action or decision by EPA pursuant to this Order prior to EPA's initiation of a judicial action to enforce this Order, including an action for penalties or an action to compel Respondent's compliance with the terms and conditions of this Order.
67. Disputes over final corrective measures. If Respondent disputes EPA's selection of final corrective measures, relating to EPA's Final Decision, penalties will not accrue or be assessed on matters directly in dispute for 6 months following EPA's selection of these final corrective measures.
68. If, within 30 days after at the conclusion of the EPA Dispute Decision regarding disputed final corrective measures is provided to Respondent, Respondent notifies EPA in writing that Respondent refuses to implement EPA's selected final corrective measures, EPA agrees that Respondent shall have no further obligations to perform the disputed selected final corrective measures under this Order and the Order shall be terminated with respect Respondent's obligation to perform the disputed selected final corrective measures and with respect to stipulated penalties for implementation of the final corrective measures. Provided, however, that nothing in this Paragraph should be read to in any way limit EPA's authority to take further enforcement action with respect to the site, including, but not limited to, a separate Order or judicial action against the Respondent to implement the disputed selected final corrective

measures.

#### XIV. FORCE MAJEURE AND EXCUSABLE DELAY

69. Force majeure, for purposes of this Order, is any event arising from causes not foreseen and beyond Respondent's control that delays or prevents the timely performance of any obligation under this Order despite Respondent's best efforts.
70. If any event occurs or has occurred that may delay the performance of any obligation under this Order, whether or not caused by a force majeure event, Respondent must notify EPA within two business days after learning that the event may cause a delay. If Respondent wishes to claim a force majeure event, within 15 business days thereafter Respondent must provide to EPA in writing all relevant information relating to the claim, including a proposed revised schedule.
71. If EPA determines that a delay or anticipated delay is attributable to a force majeure event, EPA will extend in writing the time to perform the obligation affected by the force majeure event for such time as EPA determines is necessary to complete the obligation or obligations.
72. If EPA disagrees with Respondent's assertion of a force majeure, then Respondent may invoke the Dispute Resolution provision and shall follow the procedures set forth in Section XIII (Dispute Resolution). In any such proceeding, Respondent shall have the burden of demonstrating by a preponderance of the evidence that the delay or anticipated delay has been or will be caused by a force majeure, that the duration of the delay or the extension sought was or will be warranted under the circumstances, that Respondent employed reasonable to avoid and mitigate the effects of the delay, and that Respondent complied with the requirements of this Section. If Respondent satisfies this burden, then EPA shall extend the time for performance as EPA determines is necessary.

#### XV. MODIFICATION

73. This Order may be modified only by mutual agreement of EPA and Respondent, except as provided in Section VII (Work to Be Performed). Any agreed modifications will be in writing, will be signed by both parties, will be effective on the date of signature by EPA, and will be incorporated into this Order.

#### XVI. RESERVATION OF RIGHTS

74. Nothing in this Order restricts EPA's authority to seek Respondent's compliance with the Order and applicable laws and regulations. For violations of this Order, EPA reserves its rights to bring an action to enforce the Order, to assess penalties under Section 3008(h)(2) of RCRA, 42 U.S.C. § 6928(h)(2), and to issue an administrative order to perform corrective actions or other response measures. In any later proceeding, Respondent shall not assert or maintain any defense or claim based upon the principles of waiver, res judicata, collateral estoppel, issue preclusion, claim-splitting, or other defenses based upon a contention that the claims raised by the United States in the later proceeding were or should have been raised here. This Order is not a covenant not to sue, release, waiver, or limitation of any rights, remedies, powers, or authorities of EPA.

75. EPA reserves all of its rights to perform any portion of the Work consented to here or any additional site characterization, feasibility study, and remedial work as it deems necessary to protect human health or the environment.
76. If EPA determines that Respondent's actions related to this Order have caused or may cause a release of hazardous waste or hazardous constituent(s), or a threat to human health or the environment, or that Respondent cannot perform any of the Work ordered, EPA may order Respondent to stop implementing this Order for the time EPA determines may be needed to abate the release or threat and to take any action that EPA determines is necessary to abate the release or threat.
77. Respondent does not admit any of EPA's factual or legal determinations. Except for the specific waivers in this Order, Respondent reserves all of its rights, remedies and defenses, including, without limitation, all rights and defenses it may have: (a) to challenge EPA's performance of Work; (b) to challenge EPA's stop work orders; (c) regarding liability or responsibility for conditions at the Facility, except for its right to contest EPA's jurisdiction to issue or enforce this Order; and (d) arising from any order of the United States Bankruptcy Court issued in the matter of In re General Motors Corp. et al., Chapter 11 Case No. 09-50026 (REG). Respondent has entered into this Order in good faith without trial or adjudication of any issue of fact or law. Respondent reserves its right to seek judicial review of EPA actions taken under this Order, including a proceeding brought by the United States to enforce the Order or to collect penalties for violations of the Order.

#### XVII. OTHER CLAIMS

78. Respondent waives any claims or demands for compensation or payment under Section 106(b), 111, and 112 of CERCLA only against the Hazardous Substance Superfund established by 26 U.S.C. § 9507 for, or arising out of, any activity performed or expense incurred under this Order. GM LLC does not waive any claims with regards to the United States, including any agency or department thereof, as an owner or operator of the Facility, or as a generator of hazardous waste, hazardous waste constituents or hazardous substances. Additionally, this Order is not a decision on preauthorization of funds under Section 111(a)(2) of CERCLA.

#### XVIII. INDEMNIFICATION OF THE UNITED STATES GOVERNMENT

79. Respondent indemnifies, saves and holds harmless the United States, its agencies, departments, agents, and employees, from all claims or causes of action arising from or on account of acts or omissions of Respondent or its officers, employees, agents, independent contractors, receivers, trustees, and assigns in carrying out activities required by this Order. This indemnification will not affect or limit the rights or obligations of Respondent or the United States under their various contracts. This indemnification will not create any obligation on the part of Respondent to indemnify the United States from claims arising from the acts or omissions of the United States.

#### XIX. SEVERABILITY

80. If any judicial or administrative authority holds any provision of this Order to be invalid, the

remaining provisions will remain in force and will not be affected.

XX. TERMINATION AND SATISFACTION

81. Respondent may request that EPA issue a determination that Respondent has met the requirements of the Order for all or a portion of the Facility. Respondent may also request that EPA issue a "corrective action complete" or "corrective action complete with controls" determination for all or a portion of the Facility as described at 67 Fed. Reg. 9176, dated February 27, 2002.
82. The provisions of the Order will be satisfied upon Respondent's and EPA's execution of an "Acknowledgment of Termination and Agreement on Record Preservation and Reservation of Rights", consistent with EPA's Model Scope of Work.
83. Respondent's execution of the Acknowledgment will affirm its continuing obligation to preserve all records as required by Section XI (Record Preservation), to maintain any necessary institutional controls or other long term measures, and to recognize EPA's reservation of rights as required in Section XVI (Reservation of Rights).
84. It is the intent of the parties, that any long term operation and maintenance activities, that such activities be conducted pursuant to a separate Order to be negotiated by the parties and that this Order be terminated consistent with this Section once agreement is reached on a separate Order for long term operation and maintenance activities.

XXI. EFFECTIVE DATE

85. This Order is effective on the date that EPA signs the Order.

IT IS SO AGREED:

DATE: 7-28-14

BY: William J. McFarland  
William J. McFarland  
Director of Remediation  
General Motors LLC

RCRA-05-2014-0011

IT IS SO ORDERED:

DATE:

8/4/2014

BY:

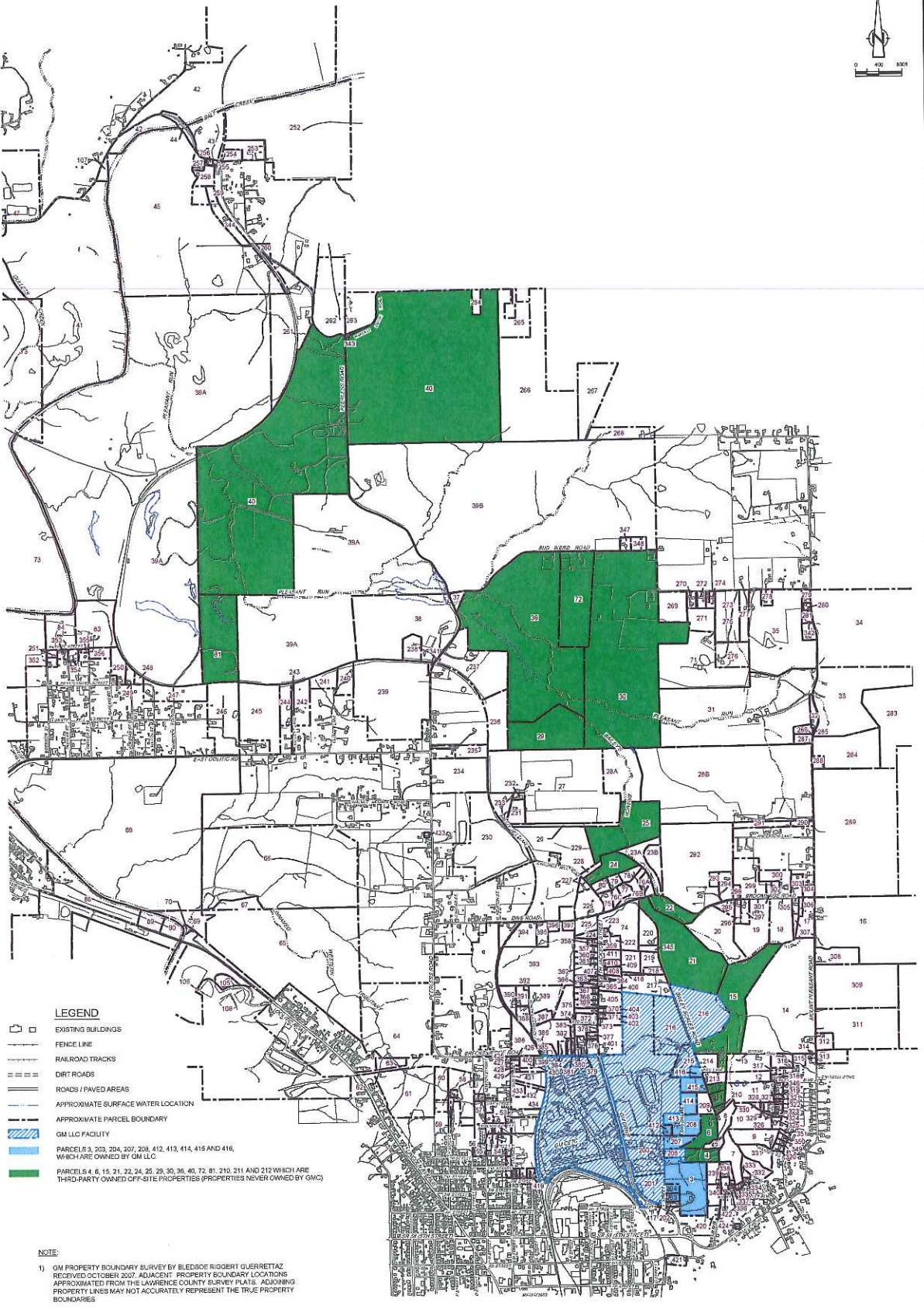
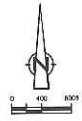


Margaret M. Guerriero, Director  
Land and Chemicals Division  
U.S. Environmental Protection Agency  
Region 5

RCRA-05-2014-0011

# EXHIBIT 1





- LEGEND**
- EXISTING BUILDINGS
  - FENCE LINE
  - RAILROAD TRACKS
  - DIRT ROADS
  - ROADS / PAVED AREAS
  - APPROXIMATE SURFACE WATER LOCATION
  - APPROXIMATE PARCEL BOUNDARY
  - GM LLC FACILITY
  - PARCELS 3, 203, 204, 207, 208, 412, 413, 414, 415 AND 416, WHICH ARE OWNED BY GM LLC
  - PARCELS 4, 6, 15, 21, 22, 24, 25, 29, 30, 36, 40, 72, 81, 210, 211 AND 212 WHICH ARE THIRD-PARTY OWNED OFF-SITE PROPERTIES (PROPERTIES NEVER OWNED BY GMC)

**NOTE:**  
 1) GM PROPERTY BOUNDARY SURVEY BY BLEDSOE RIDGERT GUERRETTAZ RECEIVED OCTOBER 2007. ADJACENT PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. ADJOINING PROPERTY LINES MAY NOT ACCURATELY REPRESENT THE TRUE PROPERTY BOUNDARIES

NO.	Reason	Date	Initial

**SCALE VERIFICATION**  
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved: \_\_\_\_\_

**GM ORDER PROPERTIES**

**CRA CONESTOGA-ROVERS & ASSOCIATES**

Source Reference  
 BASE MAP COMPLETED BY AIR-LAND SURVEY'S, FLINT, MI, APRIL 2001  
 AND CSA SURVEYS 2002-2008

Project Manager: J.M. (Received By: S.G.) Date: MARCH 2014

Scale: AS SHOWN Project No.: 1396B-00 Report No.: PRES228 Exhibit No.: 1

1396B-03 PREPARED BY WARRIOR JUL 20/2014

RCRA-05-2014-0011

# EXHIBIT 2



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

SEP - 9 2013

REPLY TO THE ATTENTION OF:

Mr. Edward Peterson  
General Motors LLC  
Global Environmental Compliance & Sustainability  
30200 Mound Road  
MC: 480-111-1N  
Warren, Michigan 48090-9010

Dear Mr. Peterson:

GM has worked cooperatively with EPA Region 5 on its RCRA corrective action facilities in the region. Substantial progress has been made at a number of GM's facilities in the RCRA 2020 Universe. In addition, GM has demonstrated the attainment of Environmental Indicators at a number of GM's RCRA Corrective Action facilities in an expeditious manner. Finally, GM has worked with Region 5 to develop common processes and techniques (e.g., Health-Based Evaluation of Data to Streamline RCRA Facility Investigations at General Motors Facilities, Quality Assurance Project Plan, Databox Figures) to increase the speed of RCRA Facility Investigations.

An important component of the progress made at the GM sites has been the practice of the EPA Region 5 and GM project managers to use informal meetings, conference calls and e-mails to identify, discuss, and resolve potential issues as early as possible with respect to documents submitted by GM to EPA Region 5. It is that process that has allowed both GM and EPA to achieve this substantial progress. EPA Region 5 recognizes GM's willingness to agree to the formal review and approval process, as set forth in the executed Orders on Consent for GM's RCRA Corrective Facilities, to which this letter forms an attachment, is premised in part on EPA's intent as set forth in this letter, with GM's agreement, that any failure by either EPA or GM to comply with the informal process described herein does not excuse GM from performance in compliance with and by the deadlines required by any applicable Order.

EPA acknowledges that it is the intent of both GM and EPA Region 5 that GM and EPA Region 5 project managers will continue to use best efforts to implement this process as corrective action work proceeds at various GM facilities in Region 5; the overall goal is timely submission by GM of deliverables that are approvable by EPA, without significant additional comments or revision. EPA will focus on the most substantive site issues while providing timely input on deliverables to GM. The key elements of this process include the following:

1. In advance of submission of a deliverable to EPA Region 5, the GM project manager should notify the EPA Region 5 project manager of the anticipated date of submission. The project managers should then develop a schedule for the review and revision of the deliverable consistent with the timelines set forth below.
2. Upon initial submittal of a deliverable, the EPA Region 5 and GM project managers should have an initial face-to-face meeting or teleconference, generally within 21 business days of submittal of the deliverable, or such shorter or longer timeframe as may be appropriate depending on the complexity of the site or deliverable. GM should provide EPA Region 5 with a written agenda, which may be modified by EPA, at least two business days in advance of the initial meeting.
3. The EPA Region 5 and GM project managers should ensure that all appropriate personnel are in attendance for the initial meeting and each are well prepared to identify any questions, seek clarifications and discuss any anticipated issues relevant to their project role in order to maximize the productivity of the meeting. The project managers should identify the attendees in advance and strive to ensure that the attendees have each reviewed the document as appropriate to their role in the initial meeting. Follow up discussions may be arranged as necessary to facilitate additional input from personnel unable to attend the initial meeting.
4. The EPA Region 5 and GM project managers should, in good faith, identify, discuss and attempt to resolve all issues in a straightforward and thorough manner with the intent that both EPA Region 5 and GM project managers gain consensus on the content of the submission.
5. At the end of the initial meeting, the project managers for EPA Region 5 and GM should endeavor to reach consensus as to specific EPA Region 5 comments that need to be addressed by GM in any subsequent re-submittal of the document. At the end of this meeting, GM and EPA Region 5 should agree to a list of comments, along with any preliminary GM response or action, all of which GM will incorporate into a meeting summary document and provide to EPA Region 5 within approximately five business days of the initial meeting.
6. Upon receipt of the meeting summary document, the EPA Region 5 project manager should indicate to GM if corrections to the meeting summary document are necessary or if additional comments on the deliverable are anticipated, and, if so, should endeavor to provide those corrections or comments within 60 days of receipt of the deliverable, or as soon thereafter as reasonably possible. Upon receipt of the EPA Region 5 project manager's comments, the GM project manager should promptly inform the EPA Region 5 project manager of the anticipated schedule to address those comments. The GM project manager should address the EPA Region 5 project manager's comments as soon as reasonably possible.

7. The EPA Region 5 and GM project managers should strive to complete the comment and review process as efficiently and expeditiously as practical. GM shall provide written responses to the EPA Region 5 comments in a manner intended to satisfy completely the issues and questions raised by EPA Region 5 so that EPA approval is possible without significant comment.
8. EPA acknowledges that site specific facts and circumstances should be taken into consideration with respect to this process.

This process has been shared with the EPA Region 5 project managers working on GM sites with the general expectation that it be followed. I trust that GM will share this letter with GM's project managers and instruct them likewise. Please note, however, that nothing in this letter is intended to create a legally binding obligation nor does it supplant any requirement in any order.

Although EPA acknowledges that the process set forth above reflects EPA's current intent with respect to the future course of dealing of the parties, EPA Region 5 may deviate from this process without GM's consent in the event that EPA determines that it is in the public interest to do so. In the unlikely event of such a circumstance, the Chief of the Remediation and Reuse Branch will provide GM with written notice and afford GM an opportunity to meet with EPA Region 5 to discuss.

Please feel free to contact me if you have any questions or concerns. We look forward to working cooperatively with GM.

Sincerely,



Jose G. Cisneros, Chief  
Remediation and Reuse Branch  
Land and Chemicals Division

RCRA-05-2014-0011

# EXHIBIT 3



## TRUST AGREEMENT FOR CORRECTIVE ACTION

Trust Agreement, the "Agreement," entered into as of [date] by and between General Motors LLC, a Delaware Limited Liability Company, the "Grantor," and [name of corporate trustee], [insert "incorporated in the State of \_\_\_\_\_" or "a national bank"], the "Trustee."

Whereas, the United States Environmental Protection Agency, "EPA," an agency of the United States Government, has established certain regulations applicable to the Grantor, requiring that an owner or operator of a hazardous waste management facility shall provide assurance that funds will be available when needed for corrective action of the facility,

Whereas, the Grantor has elected to establish a trust to provide all or part of such financial assurance for the facilities identified herein,

Whereas, the Grantor, acting through its duly authorized officers, has selected the Trustee to be the trustee under this agreement, and the Trustee is willing to act as trustee,

Now, Therefore, the Grantor and the Trustee agree as follows:

*Section 1. Definitions.* As used in this Agreement:

(a) The term "Grantor" means the owner or operator who enters into this Agreement and any successors or assigns of the Grantor.

(b) The term "Trustee" means the Trustee who enters into this Agreement and any successor Trustee.

*Section 2. Identification of Facilities and Cost Estimates.* This Agreement pertains to the facilities and cost estimates identified on attached Schedule A.

*Section 3. Establishment of Fund.* The Grantor and the Trustee hereby establish a trust fund, the "Fund," for the benefit of EPA. The Grantor and the Trustee intend that no third party have access to the Fund except as herein provided. The Fund is established initially as consisting of the property, which is acceptable to the Trustee, described in Schedule B attached hereto. Such property and any other property subsequently transferred to the Trustee is referred to as the Fund, together with all earnings and profits thereon, less any payments or distributions made by the Trustee pursuant to this Agreement. The Fund shall be held by the Trustee, IN TRUST, as hereinafter provided. The Trustee shall not be responsible nor shall it undertake any responsibility for the amount or adequacy of, nor any duty to collect from the Grantor, any payments necessary to discharge any liabilities of the Grantor established by EPA.

*Section 4. Payment for Corrective Action.* The Trustee shall make payments from the Fund as the EPA Regional Administrator shall direct, in writing, to provide for the payment of the costs of corrective action of the facilities covered by this Agreement. The Trustee shall reimburse the Grantor or other persons as specified by the EPA Regional Administrator from the Fund for corrective action expenditures in such amounts as the EPA Regional Administrator shall direct in writing. In addition, the Trustee shall refund to the Grantor such amounts as the EPA Regional Administrator specifies in writing. Upon refund, such funds shall no longer constitute part of the Fund as defined herein.

*Section 5. Payments Comprising the Fund.* Payments made to the Trustee for the Fund shall consist of cash or securities acceptable to the Trustee.

*Section 6. Trustee Management.* The Trustee shall invest and reinvest the principal and income of the Fund and keep the Fund invested as a single fund, without distinction between principal and income, in accordance with general investment policies and guidelines which the Grantor may communicate in writing to the Trustee from time to time, subject, however, to the provisions of this section. In investing, reinvesting, exchanging, selling, and managing the Fund, the Trustee shall discharge his duties with respect to the trust fund solely in the interest of the beneficiary and with the care, skill, prudence, and diligence under the

circumstances then prevailing which persons of prudence, acting in a like capacity and familiar with such matters, would use in the conduct of an enterprise of a like character and with like aims; *except that*:

(i) Securities or other obligations of the Grantor, or any other owner or operator of the facilities, or any of their affiliates as defined in the Investment Company Act of 1940, as amended, 15 U.S.C. 80a-2.(a), shall not be acquired or held, unless they are securities or other obligations of the Federal or a State government;

(ii) The Trustee is authorized to invest the Fund in time or demand deposits of the Trustee, to the extent insured by an agency of the Federal or State government; and

(iii) The Trustee is authorized to hold cash awaiting investment or distribution uninvested for a reasonable time and without liability for the payment of interest thereon.

*Section 7. Commingling and Investment.* The Trustee is expressly authorized in its discretion:

(a) To transfer from time to time any or all of the assets of the Fund to any common, commingled, or collective trust fund created by the Trustee in which the Fund is eligible to participate, subject to all of the provisions thereof, to be commingled with the assets of other trusts participating therein; and

(b) To purchase shares in any investment company registered under the Investment Company Act of 1940, 15 U.S.C. 80a-1 *et seq.*, including one which may be created, managed, underwritten, or to which investment advice is rendered or the shares of which are sold by the Trustee. The Trustee may vote such shares in its discretion.

*Section 8. Express Powers of Trustee.* Without in any way limiting the powers and discretions conferred upon the Trustee by the other provisions of this Agreement or by law, the Trustee is expressly authorized and empowered:

(a) To sell, exchange, convey, transfer, or otherwise dispose of any property held by it, by public or private sale. No person dealing with the Trustee shall be bound to see to the application of the purchase money or to inquire into the validity or expediency of any such sale or other disposition;

(b) To make, execute, acknowledge, and deliver any and all documents of transfer and conveyance and any and all other instruments that may be necessary or appropriate to carry out the powers herein granted;

(c) To register any securities held in the Fund in its own name or in the name of a nominee and to hold any security in bearer form or in book entry, or to combine certificates representing such securities with certificates of the same issue held by the Trustee in other fiduciary capacities, or to deposit or arrange for the deposit of such securities in a qualified central depository even though, when so deposited, such securities may be merged and held in bulk in the name of the nominee of such depository with other securities deposited therein by another person, or to deposit or arrange for the deposit of any securities issued by the United States Government, or any agency or instrumentality thereof, with a Federal Reserve bank, but the books and records of the Trustee shall at all times show that all such securities are part of the Fund;

(d) To deposit any cash in the Fund in interest-bearing accounts maintained or savings certificates issued by the Trustee, in its separate corporate capacity, or in any other banking institution affiliated with the Trustee, to the extent insured by an agency of the Federal or State government; and

(e) To compromise or otherwise adjust all claims in favor of or against the Fund.

*Section 9. Taxes and Expenses.* All taxes of any kind that may be assessed or levied against or in respect of the Fund and all brokerage commissions incurred by the Fund shall be paid from the Fund. All other expenses incurred by the Trustee in connection with the administration of this Trust, including fees for legal services rendered to the Trustee, the compensation of the Trustee to the extent not paid directly by the Grantor, and all other proper charges and disbursements of the Trustee shall be paid from the Fund.



*Section 10. Annual Valuation.* The Trustee shall annually, at least 30 days prior to the anniversary date of establishment of the Fund, furnish to the Grantor and to the appropriate EPA Regional Administrator a statement confirming the value of the Trust. Any securities in the Fund shall be valued at market value as of no more than 60 days prior to the anniversary date of establishment of the Fund. The failure of the Grantor to object in writing to the Trustee within 90 days after the statement has been furnished to the Grantor and the EPA Regional Administrator shall constitute a conclusively binding assent by the Grantor, barring the Grantor from asserting any claim or liability against the Trustee with respect to matters disclosed in the statement.

*Section 11. Advice of Counsel.* The Trustee may from time to time consult with counsel, who may be counsel to the Grantor, with respect to any question arising as to the construction of this Agreement or any action to be taken hereunder. The Trustee shall be fully protected, to the extent permitted by law, in acting upon the advice of counsel.

*Section 12. Trustee Compensation.* The Trustee shall be entitled to reasonable compensation for its services as agreed upon in writing from time to time with the Grantor.

*Section 13. Successor Trustee.* The Trustee may resign or the Grantor may replace the Trustee, but such resignation or replacement shall not be effective until the Grantor has appointed a successor trustee and this successor accepts the appointment. The successor trustee shall have the same powers and duties as those conferred upon the Trustee hereunder. Upon the successor trustee's acceptance of the appointment, the Trustee shall assign, transfer, and pay over to the successor trustee the funds and properties then constituting the Fund. If for any reason the Grantor cannot or does not act in the event of the resignation of the Trustee, the Trustee may apply to a court of competent jurisdiction for the appointment of a successor trustee or for instructions. The successor trustee shall specify the date on which it assumes administration of the trust in a writing sent to the Grantor, the EPA Regional Administrator, and the present Trustee by certified mail 10 days before such change becomes effective. Any expenses incurred by the Trustee as a result of any of the acts contemplated by this Section shall be paid as provided in Section 9.

*Section 14. Instructions to the Trustee.* All orders, requests, and instructions by the Grantor to the Trustee shall be in writing, signed by such persons as are designated in the attached Exhibit A or such other designees as the Grantor may designate by amendment to Exhibit A. The Trustee shall be fully protected in acting without inquiry in accordance with the Grantor's orders, requests, and instructions. All orders, requests, and instructions by the EPA Regional Administrator to the Trustee shall be in writing, signed by the EPA Regional Administrators of the Regions in which the facilities are located, or their designees, and the Trustee shall act and shall be fully protected in acting in accordance with such orders, requests, and instructions. The Trustee shall have the right to assume, in the absence of written notice to the contrary, that no event constituting a change or a termination of the authority of any person to act on behalf of the Grantor or EPA hereunder has occurred. The Trustee shall have no duty to act in the absence of such orders, requests, and instructions from the Grantor and/or EPA, except as provided for herein.

*Section 15. Notice of Nonpayment.* The Trustee shall notify the Grantor and the appropriate EPA Regional Administrator, by certified mail within 10 days following the expiration of the 30-day period after the anniversary of the establishment of the Trust, if no payment is received from the Grantor during that period. After the pay-in period is completed, the Trustee shall not be required to send a notice of nonpayment.

*Section 16. Amendment of Agreement.* This Agreement may be amended by an instrument in writing executed by the Grantor, the Trustee, and the appropriate EPA Regional Administrator, or by the Trustee and the appropriate EPA Regional Administrator if the Grantor ceases to exist.

*Section 17. Irrevocability and Termination.* Subject to the right of the parties to amend this Agreement as provided in Section 16, this Trust shall be irrevocable and shall continue until terminated at the written agreement of the Grantor, the Trustee, and the EPA Regional Administrator, or by the Trustee and the EPA Regional Administrator, if the Grantor ceases to exist. Upon termination of the Trust, all remaining trust property, less final trust administration expenses, shall be delivered to the Grantor.

*Section 18. Immunity and Indemnification.* The Trustee shall not incur personal liability of any nature in connection with any act or omission, made in good faith, in the administration of this Trust, or in carrying out any directions by the Grantor or the EPA Regional Administrator issued in accordance with this Agreement.

The Trustee shall be indemnified and saved harmless by the Grantor or from the Trust Fund, or both, from and against any personal liability to which the Trustee may be subjected by reason of any act or conduct in its official capacity, including all expenses reasonably incurred in its defense in the event the Grantor fails to provide such defense.

*Section 19. Choice of Law.* This Agreement shall be administered, construed, and enforced according to the laws of the State of New York.

*Section 20. Interpretation.* As used in this Agreement, words in the singular include the plural and words in the plural include the singular. The descriptive headings for each Section of this Agreement shall not affect the interpretation or the legal efficacy of this Agreement.

In Witness Whereof the parties have caused this Agreement to be executed by their respective officers duly authorized and their corporate seals to be hereunto affixed and attested as of the date first above written: The parties below certify that the wording of this Agreement is substantially equivalent to the wording specified in 40 CFR 264.151(a)(1) as such regulations were constituted on the date first above written.

[Signature of Grantor]

[Title]

Attest:

[Title]

[Seal]

[Signature of Trustee]

Attest:

[Title]

[Seal]

State of  
County of

On this [date], before me personally came [owner or operator] to me known, who, being by me duly sworn, did depose and say that she/he resides at [address], that she/he is [title] of [corporation], the corporation described in and which executed the above instrument; that she/he knows the seal of said corporation; that the seal affixed to such instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation, and that she/he signed her/his name thereto by like order.

[Signature of Notary Public]

[Name(s) and title(s)]

[Corporate seal]

[For every co-surety, provide signature(s), corporate seal, and other information in the same manner as for Surety above.]

Bond premium: \$



**Schedule A**

EPA Identification Number: IND006036099

Site: GM – Bedford CET, 105 GM Drive, Bedford, IN 47421

Corrective Action Cost Estimate: \$6,997,375

**Schedule B**

Funding not required for Standby Trust unless directed by EPA.

PERFORMANCE BOND

Date bond executed:

Effective date:

Principal: General Motors LLC, 300 Renaissance Center, Detroit, MI, 48265-3000

Type of organization: Limited Liability Company

State of incorporation: Delaware

Surety(ies):

EPA Identification Number, name, address, and corrective action amount(s) for each facility guaranteed by this bond:

EPA Identification Number: IND006036099

Site: GM – Bedford CET, 105 GM Drive, Bedford, IN 47421

Corrective Action Amount: \$6,997,375

Total penal sum of bond: \$6,997,375

Surety's bond number:

Know All Persons By These Presents, That we, the Principal and Surety(ies) hereto are firmly bound to the U.S. Environmental Protection Agency (hereinafter called EPA), in the above penal sum for the payment of which we bind ourselves, our heirs, executors, administrators, successors, and assigns jointly and severally; provided that, where the Surety(ies) are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum "jointly and severally" only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such Surety, but if no limit of liability is indicated, the limit of liability shall be the full amount of the penal sum.

Whereas said Principal is required to provide financial assurance for corrective action, as a condition of the Administrative Order on Consent #\_\_\_\_\_, and

Whereas said Principal shall establish a standby trust fund as is required when a surety bond is used to provide such financial assurance;

Now, Therefore, the conditions of this obligation are such that if the Principal shall faithfully perform corrective action, whenever required to do so, of each facility for which this bond guarantees corrective action, in accordance with the Administrative Order on Consent #\_\_\_\_\_, pursuant to all applicable laws, statutes, rules, and regulations, as such laws, statutes, rules, and regulations may be amended,

If the Principal shall provide alternate financial assurance as specified in the Administrative Order on Consent #\_\_\_\_\_, and obtain the EPA Regional Administrator's written approval of such assurance, within 90 days after the date notice of cancellation is received by both the Principal and the EPA Regional Administrator(s) from the Surety(ies), then this obligation shall be null and void, otherwise it is to remain in full force and effect.

The Surety(ies) shall become liable on this bond obligation only when the Principal has failed to fulfill the conditions described above.

Upon notification by an EPA Regional Administrator that the Principal has been found in violation of the corrective action requirements of the Administrative Order on Consent #\_\_\_\_\_, for a facility for which this bond guarantees performance of corrective action, the Surety(ies) shall either perform corrective action in



accordance with the Administrative Order on Consent # \_\_\_\_\_ or place the corrective action amount guaranteed for the facility into the standby trust fund as directed by the EPA Regional Administrator.

Upon notification by an EPA Regional Administrator that the Principal has failed to provide alternate financial assurance as specified in the Administrative Order on Consent # \_\_\_\_\_, and obtain written approval of such assurance from the EPA Regional Administrator(s) during the 90 days following receipt by both the Principal and the EPA Regional Administrator(s) of a notice of cancellation of the bond, the Surety(ies) shall place funds in the amount guaranteed for the facility(ies) into the standby trust fund as directed by the EPA Regional Administrator.

The surety(ies) hereby waive(s) notification of amendments to the Administrative Order on Consent # \_\_\_\_\_, applicable laws, statutes, rules, and regulations and agrees that no such amendment shall in any way alleviate its (their) obligation on this bond.

The liability of the Surety(ies) shall not be discharged by any payment or succession of payments hereunder, unless and until such payment or payments shall amount in the aggregate to the penal sum of the bond, but in no event shall the obligation of the Surety(ies) hereunder exceed the amount of said penal sum.

The Surety(ies) may cancel the bond by sending notice of cancellation by certified mail to the owner or operator and to the EPA Regional Administrator(s) for the Region(s) in which the facility(ies) is (are) located, provided, however, that cancellation shall not occur during the 120 days beginning on the date of receipt of the notice of cancellation by both the Principal and the EPA Regional Administrator(s), as evidenced by the return receipts.

The principal may terminate this bond by sending written notice to the Surety(ies), provided, however, that no such notice shall become effective until the Surety(ies) receive(s) written authorization for termination of the bond by the EPA Regional Administrator(s) of the EPA Region(s) in which the bonded facility(ies) is (are) located.

In Witness Whereof, The Principal and Surety(ies) have executed this Performance Bond and have affixed their seals on the date set forth above.

The persons whose signatures appear below hereby certify that they are authorized to execute this surety bond on behalf of the Principal and Surety(ies) and that the wording of this surety bond is substantially equivalent to the wording specified in 40 CFR 264.151(c) as such regulation was constituted on the date this bond was executed.

Principal

[Signature(s)]

Alan G. Gier

Director, Corporate Risk Management

[Corporate seal]

Corporate Surety(ies)

State of incorporation:

Liability limit: \$

[Signature(s)]