



Quarterly Technical Progress Report July 2016 – September 2016

RCRA Corrective Action - IND 980 700 801
2915 Dr. Martin Luther King Jr. Boulevard, Anderson, IN
Revitalizing Auto Communities Environmental Response Trust

Indiana Department of Environmental Management

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1. Introduction

GHD, on behalf of the Revitalizing Auto Communities Environmental Response (RACER) Trust, has prepared this Quarterly Technical Progress Report for the RACER Trust facility located at 2915 Dr. Martin Luther King Junior Boulevard in Anderson, Indiana (Facility or Site).

This Quarterly Technical Progress Report has been prepared to summarize activities related to the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI), Interim Measures (IM) activities, and Corrective Measures (CM) at the Facility for the period of July through September 2016.

2. Summary of RFI, Interim Measures, and Corrective Measures Activities

2.1 RCRA Facility Investigation/Environmental Indicators Determination

There were no RFI activities conducted during this reporting period.

RFI activities are 100-percent complete.

2.2 Interim Measures

Interim measures are ongoing. Interim measures being conducted at the Site consist of routine groundwater and surface water monitoring and related reporting in accordance with the Site-wide Groundwater Monitoring Plan (AECOM, 2010) and subsequent recommendations made in the 2011 to 2015 Annual Groundwater Monitoring Reports.

On July 19, 2016, three surface water samples, including one field duplicate, were collected from the irrigation pond at the Meadowbrook Golf Course in accordance with the Site-Wide Groundwater Monitoring Plan.

Interim measures are ongoing.

2.3 Corrective Measures

The Chromium Groundwater Investigation Work Plan (GHD, March 9, 2016) was implemented between April 21 and 26, 2016 concurrent to routine semi-annual groundwater sampling to confirm the presence or absence of chromium and hexavalent chromium in groundwater at the perimeter of and downgradient to the Site using non-routine laboratory analytical methods with lower detection limits. The results were reported to the Indiana Department of Environmental Management (IDEM) on August 3, 2016 in the Chromium Groundwater Investigation Report of Findings and a summary of the findings from the investigation is provided in Section 3.0.



3. Summary of Findings

3.1 RCRA Facility Investigation/Environmental Indicators Determination

There were no RFI activities conducted during this reporting period.

3.2 Interim Measures

On July 19, 2016, three surface water samples, including one field duplicate, were collected from the irrigation pond at the Meadowbrook Golf Course. The surface water samples exhibited detectable concentrations of 1,1-dichloroethane ranging from 2.8 to 4.5 micrograms per liter ($\mu\text{g/L}$), cis-1,2-dichloroethene ranging from 55 to 90 $\mu\text{g/L}$, trans-1,2-dichloroethene ranging from 1.6 to 3.0 $\mu\text{g/L}$, and vinyl chloride ranging from 4.9 to 6.4 $\mu\text{g/L}$. The results of the surface water analyses have been compared to the Site-Specific Recreator Criteria which is protective of human direct contact with water. With the exception of vinyl chloride, all detected constituents are below the Site-Specific Recreator Criteria. No other analyzed parameters were detected above the associated reporting limits.

The field data, validated analytical data and discussion of results will be provided to IDEM in the 2016 Annual Groundwater Monitoring Program Report.

3.3 Corrective Measures

The objective of the Chromium Groundwater Investigation was to assess the groundwater quality at the perimeter of and downgradient to the Site to confirm the presence or absence of chromium and hexavalent chromium in groundwater at very low detection limits. The results of the groundwater sampling indicates that there were no exceedances of the Maximum Contaminant Level (MCL) for chromium (50 $\mu\text{g/L}$) or IDEM's residential tap water screening level for hexavalent chromium (0.35 $\mu\text{g/L}$) at any of sampled Unit 3 (sand aquifer) monitoring wells. Chromium and hexavalent chromium were detected at estimated concentrations above the cited criteria at Unit 1 (Fill) monitoring well MW 91-12 where chromium has historically been detected above criteria and has been shown to be delineated laterally and vertically in Unit 1 (Fill). As such, there is no evidence to suggest that chromium or hexavalent chromium groundwater impacts have migrated to downgradient off-Site receptors above acceptable levels.

4. Summary of Changes to RFI, Interim and/or Corrective Measures

There were no changes to the RFI, Interim Measures and/or Corrective Measures during the reporting period.



5. Summary of Contacts with Representatives of Local Community, Public Interest Groups, or State Government

The Chromium Groundwater Investigation Report of Findings was submitted to IDEM on August 3, 2016.

On August 17, 2016, GHD submitted a summary of the May 11, 2016 working session attended by representatives of IDEM, RACER Trust and GHD. The purpose of the working session was to discuss risk drivers and remedial alternatives for the Site and to develop a consensus among stakeholders on a general strategy for Corrective Measures.

6. Summary of Problems or Potential Problems

No problems were encountered during this reporting period.

7. Actions Taken To Rectify Problems

No problems were encountered during this reporting period.

8. Changes in Personnel

There were no changes to personnel during the reporting period.

9. Projected Work for October through December 2016

Projected work for October through December 2016 includes the following:

- Site-wide hydraulic monitoring, semi-annual groundwater sampling and fall surface water sampling in accordance with the Site-Wide Groundwater Monitoring Plan
- Locating, assessing and possible repair of Tract B (North) monitoring well MW 76
- Disposal of investigation derived waste
- Preparation of the 2016 Annual Monitoring Report
- Approval of the 2017 Budget Request



10. Reports and Data

The Quarterly Technical Progress Report, April 2016 through June 2016, was submitted to IDEM on July 21, 2016.