



Final Report

Quarterly Technical Progress Report January 2015 – March 2015 RCRA Corrective Action IND 980 700 801

2915 Dr. Martin Luther King Jr. Boulevard, Anderson, In
Revitalizing Auto Communities Environmental Response Trust

Prepared for: Indiana Department of Environmental
Management

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Section 1.0 Introduction

Conestoga-Rovers and Associates (CRA), 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 January through March 2015.

Section 2.0 Summary of RFI, Interim Measures, and Corrective Measures Activities

2.1 RCRA Facility Investigation/Environmental Indicators Determination

RFI activities conducted during this reporting period included preparation and submittal of the Wastewater Treatment Plant (WWTP) Groundwater Investigation Report of Findings (CRA, March 26, 2015).

The WWTP Groundwater Investigation Work Plan (CRA, September 27, 2013) was implemented between November 2013 and April 2014. The objective of the Work Plan was to delineate the horizontal extent of groundwater impacts in the vicinity of the former WWTP. The results were reported to IDEM in the WWTP Groundwater Investigation Report of Findings and a summary of the findings from the investigation is provided in Section 3.0.

RFI activities are 100-percent complete.

2.2 Interim Measures

On February 2, 2015, CRA submitted the 2014 Annual Groundwater Monitoring Report to IDEM on behalf of RACER Trust to summarize the groundwater and surface water sampling activities performed in 2014 and the results generated therefrom.

Interim measures are ongoing.

2.3 Corrective Measures

Corrective measures activities conducted during this reporting period included preparation of Environmental Restrictive Covenants (ERCs). The purpose of the ERCs is to ensure residual contamination at the Site does not pose an unacceptable risk to future on-Site receptors.

Section 3.0 Summary of Findings

3.1 RCRA Facility Investigation/Environmental Indicators Determination

The WWTP Groundwater Investigation Report of Findings (CRA, March 26, 2015) concluded that the South Court Area plume is not a source of groundwater impact to the WWTP Area plume. Further, with the absence of a recent (i.e., 2008 - 2014) increasing trend in trichloroethene (TCE) concentrations within the WWTP Area plume, continued separation of the WWTP and South Court Area plumes recently confirmed through hydraulic and groundwater quality monitoring, and the absence of chlorinated volatile organic compound soil impacts in the vicinity of the perceived source area, there is no known ongoing contributing TCE source to groundwater within the WWTP Area plume.

3.2 Interim Measures

Groundwater and surface water monitoring activities completed in 2014 were summarized in the 2014 Annual Groundwater Monitoring Report which was submitted to IDEM on February 2, 2015. A brief summary of conclusions from the 2014 Site-wide groundwater and surface water monitoring are provided below.

- Groundwater monitoring of the wells along the groundwater mound between the South Court Area and WWTP Area plumes confirms that the volatile organic compound (VOC) plumes remain separate from one another.
- New observations were made when assessing trends in vinyl chloride concentrations. There is now an increasing trend observed at MW 28 and no significant trend at MW 65. The other observed trends in TCE, cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride concentrations were consistent with the assessment conducted in 2013.
- Consistent with 2013 data, there are two increasing trends in the AOC 1 – South Court plume wells. Increasing trends are noted for cis-1,2-DCE at MW 49 and MW 79.
- Increasing trends continue in several monitoring wells in the former WWTP Area plume. Most of the increasing trends relate to vinyl chloride within and along the tail margin of the plume (MW 28, MW 41, MW 58, MW 64, MW 66, MW 81, and MW 85). An increasing trend for cis-1,2-DCE is also noted at MW-4 and for TCE at MW 68. The increasing trend in

TCE concentrations at MW 68 is based on data from 2005 to 2014. However, when the same trend analysis is performed using only the last seven years of data (i.e., 2008 – 2014), the data set indicates that there is no statistically significant trend and that the TCE concentrations have been stable.

- In 2014, perimeter monitoring wells were either non detect or contained very low estimated concentrations of cis-1,2-DCE (MW 56) or vinyl chloride (MW 61 and MW 86) detected below the laboratory reporting limit.
- Results of a U.S. EPA approved scoring system for natural attenuation and the presence of daughter products in the groundwater indicate that natural attenuation of VOCs is occurring at the Site in both the AOC 1 – South Court plume and the former WWTP Area plume.
- Three surface water sampling events were conducted in 2014 (April, July, and October) at the surface water monitoring locations Pond Intake and Pond North at the Meadowbrook Golf Course central irrigation pond. Cis-1,2-DCE, trans-1,2-dichloroethene (trans-1,2-DCE) and vinyl chloride were detected at surface water monitoring locations Pond North and Pond Intake during one or more surface water sampling event conducted in 2014. The detected concentrations of vinyl chloride in surface water have increased slightly at the Pond North location compared to the range of historically detected concentrations. The detected concentrations of vinyl chloride exceed the relevant screening criteria (i.e., recreator). The detected concentrations of cis-1,2-DCE at the Pond North location in 2014 have increased but are still below the relevant screening criteria. Detected concentrations of trans-1,2-DCE do not exceed the screening criteria.
- Based on monitoring at adjacent monitoring well MW 85, the golf course irrigation pond appears to be within the former WWTP Area plume and the plume is expanding in the direction of the pond.
- Based on the 2014 groundwater results from residential well MW 89-11, there is no current unacceptable risk to nearby residents due to groundwater volatilization to indoor air.

3.3 Corrective Measures

No data with respect to corrective measures was generated during this reporting period.

Section 4.0 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.

Section 5.0 Summary of Contacts with Representatives of Local Community, Public Interest Groups, or State Government

On January 28, 2015, CRA, on behalf of RACER Trust, submitted the 2015 Budget Request to IDEM. On January 29, 2015, IDEM approved the 2015 Budget Request.

On March 2, 2015, on behalf of RACER Trust, CRA submitted the final ERC for Tract A to IDEM.

On March 23, 2015, RACER Trust submitted the revised draft ERC for Tract B North to IDEM.

Section 6.0 Summary of Problems or Potential Problems

No problems were encountered during this reporting period.

Section 7.0 Actions Taken To Rectify Problems

No problems were encountered during this reporting period.

Section 8.0 Changes in Personnel

There were no changes to personnel during the reporting period.

Section 9.0 Projected Work for April through June 2015

Projected work for April through June 2015 includes the following:

- April groundwater and surface water sampling event
- Reporting for the South Court Soil Investigation and WWTP Boundary Well Installation
- Preparation of draft Corrective Measures Proposal
- Residential well sampling and reporting
- Finalize the draft Environmental Restrictive Covenants for the Site

Section 10.0 Reports and Data

The Quarterly Technical Progress Report, October 2014 through December 2014, was submitted to IDEM on January 30, 2015.

The 2014 Annual Groundwater Monitoring Report was submitted to IDEM on February 2, 2015.

The WWTP Groundwater Investigation Report of Findings was submitted to IDEM on March 26, 2015.