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MEETING SUMMARY

01 December 2015
File No. 37294-027

TO: RACER Trust
Robert Hare

FROM: Haley & Aldrich, Inc.
Mariruth A. Gruis

SUBJECT: 01 December 2015 Meeting with MoDNR
Leeds – Northern Parcel, Kansas City, Missouri

Date: Tuesday, 12/01/2015
Where: Meeting at MoDNR Office in Jefferson City, MO (10:00 AM)

Attendees: Bob Hare (Racer Trust)
Dennis Stinson, Chinwe Ndubuka, Wane Roberts (MoDNR)
Andrew McKinney (MoDHSS)
Bruce Wilkinson, Mariruth Gruis (Haley & Aldrich)

Meeting Purpose: Discuss the remaining technical issues from MoDNR and MoDHSS (received via email 3 September 2015) for site investigation needs.

Meeting Summary:

At the start of the meeting, MDNR requested confirmation of the overall funding for the Leeds Northern Parcel. Bob confirmed that as of 7/31/15, the minimum account funding was \$813.7K, with the minimum plus reserve accounts funding equal to \$1,031.5K. The long-term operation and maintenance (O&M) funding account is equal to \$373.3K. Therefore, total funding remaining as of 7/31/15 is \$1,404.8K.

During the course of discussion, several topics for further evaluation and/or action were identified as necessary to better understand the nature and extent and source of contaminants at the Northern Parcel:

- 1) There is a need to further assess the nature and extent of VOCs, SVOCs, metals, and hydrocarbons within/below the areas of historic fill operations.
 - a. MDNR is concerned that the air-phase hydrocarbon (APH) concentrations detected in soil vapor during the October 2013 event may become combustible or flammable and cause

risk to future construction and utility workers in the area. The team needs to review the data and identify an appropriate plan so that explosive limits can be evaluated.

- b. It is recommended that shallow groundwater wells be installed within the historic fill area to determine if it has been impacted by the same constituents identified in soil vapor. Analysis would include VOCs (with top 10 TICs), SVOCs, metals, and volatile petroleum hydrocarbons (VPHs). Potential areas for shallow wells include near trench pit locations TP-18, TP-16, and TP-14/15 (based on October 2013 soil vapor data).
- 2) Natural attenuation data collected during the November 2013 groundwater sampling event should be re-reviewed to determine if additional data should be gathered to evaluate whether natural attenuation is occurring (or has the potential to occur) at the Site.
- 3) The source of volatile organic compounds (VOCs) in deep groundwater is not fully understood. Based on the current lack of a shallow groundwater source on the site, data suggests that the concentrations may be from an upgradient source.
 - a. NOTE: at this time, investigation efforts will remain on shallow groundwater. If a source onsite is identified, then further evaluation of the VOCs and groundwater flow in the deep zone will be proposed. If a source onsite is not identified through the next phase of investigations, then the likely source of deep groundwater VOCs will be from an off-site source. Note that RACER Trust was not funded to evaluate off-site sources.
- 4) What is the regional flow of deep groundwater in the area and where does it discharge to?
- 5) Are there old files/Phase I reports available from the former General Motors Plant that may shed light on potential sources of VOCs in groundwater upgradient from the Northern Parcel?
 - a. Is there historic groundwater data available for the deep groundwater zone that could be used to better understand the extent of the plume and if the plume is stable and/or declining?
 - b. Bob Hare to research RACER records for historic information on the GM Leeds Assembly Plant
 - c. Ask Vance Brothers – did they have a Phase I report from before they leased the property?
 - d. Chinwe indicated that MDNR could do an EDR-Phase II database search – this would be for the State sites only (need to decide if we'd want a search for Federal sites)

Based on the discussion, the next step is for Haley & Aldrich to prepare a basic scope of work for additional investigation efforts. This scope may be generalistic for purposes of getting review and OK with MDNR. Once the basic scope is agreed upon, Haley & Aldrich would then prepare a work plan for MDNR review and approval that would incorporate the details of how the work will be conducted.