Memorandum

To: Dania Zinner, EPA RPM, VB/I70 Superfund Site
From: Timothy C. Shangraw
Date: March 31, 2016
Re: POLREP #9 - Vasquez Boulevard/Interstate 70 (VB/I70) Superfund Site, Operable Unit 2, Removal Action

On behalf of the City and County of Denver (Respondent), Engineering Management Support, Inc. (EMSI) is submitting this Pollution Report (POLREP #9) in accordance with Section 4.c of Appendix C to the Administrative Settlement Agreement and Order on Consent for Removal Action, for the subject Superfund Site (the Site). This report follows the outline detailed in Section 4.c of Appendix C, and contains pertinent new information specified in the Superfund Removal Procedures, Removal Response Reporting: POLREP and OSC Reports (EPA, 1994).

Section 1 – Heading

The date, site name, report author, report recipient, and report number are presented above.

Section II – Response Information

This reporting period extended from March 1st through 31st, 2016 during which time Addendum 1 to the Data Summary Report was finalized and submitted to EPA and CDPHE for review, and EPA approval.

Responses to EPA comments on the Quality Management Plan (QMP) were addressed in an updated Crosswalk report and incorporated into a fourth version of the QMP. EPA approved the fourth version of the QMP on March 25th contingent upon Respondent updating the Sampling and Analysis Plan (SAP). An updated SAP, which included a new Appendix C-4 (RAWP text, figures and Appendix A) was submitted to EPA on March 30th.

Finally, ongoing value engineering (VE) efforts to assess the most cost-effective approach to construction dewatering, is proceeding. Bench-scale studies of Site groundwater showed that ozone oxidation was successful at lowering sulfide concentrations to surface water discharge limits, but only partially successful at reducing ammonia to discharge limits. EMSI concluded that biological treatment of groundwater from dewatering Zones 3a, 3b, and 4 may be the only viable treatment to effectively denitrify the groundwater. For this reason, EMSI is exploring biological treatment options, both onsite and off-site; as well as requesting a new Individual Discharge permit and revisiting off-site disposal options.
Section III – Issues, Resolutions, and Planned Activities

Other than the issues discussed above for finalizing the QMP and value-engineering studies, procurement documents for the GLOP are being developed by Merrick & Company and Kiewit Constructors. These documents may contain minor adjustment to the drawings and specifications appended to our Final Design Report. To keep EPA and CDPHE informed about any such changes, Respondent recommends holding monthly status meetings at which EPA and CDPHE can be updated about design details, procurement, and implementation schedules.

Thus, activities planned for the next reporting period consist of:

- Obtaining EPA approval of Addendum 1 to the Data Summary Report;
- Value Engineering studies (entire month of April); and
- Design/procurement/implementation update meeting(s).

Please call Lisa Farrell (720.865.5439) or me (303.940.3426 x 9) if you have any questions.