HIGHLIGHTS

National Risk Management Research Laboratory
Ground Water and Ecosystems Restoration Division
Robert S. Kerr Environmental Research Center
Status Report for the week of June 30, 2014

TECHNICAL ASSISTANCE

Technical Assistance Region VIII: On June 4, 2014, Dr. Bruce Pivetz (Dynamac Corporation), under the direction of Dr. David Burden (GWERD), provided technical review comments to RPM Joe Vranka on the Additional Site Characterization Report - *DRAFT, BNSF Former Tie Treatment Plant, Somers, Montana, October 4, 2013* (the Report). The Report was very well-written and comprehensive. It contained clearly stated and concise descriptions of the characterization activities and the rationale for those activities. The report also included a detailed discussion of non-aqueous phase liquid NAPL transport relative to the Site. In general, all the necessary information for evaluating the discussions and conclusions in the Report were included within the Report and Appendices; although, some supporting information was not found. In general, the characterization methods appeared suitable for their intended purpose and appeared to be conducted properly and with careful planning. The conceptual site model (CSM) was comprehensive, well-reasoned, and technically sound, especially in regard to the discussion about NAPL fate and transport. If site conditions change significantly, or the area of interest expands beyond the current boundary, the CSM would then need to be updated again.
(14-R08-001) (D. Burden (GWERD) 580-436-8606)

Technical Assistance Region IX: On June 9, 2014, Mr. Steven Acree (GWERD) and Dr. Robert Ford (LRPCD) provided technical review comments to RPM David Seter on the "Site-Wide Groundwater Operable Unit (OU-1) Remedial Investigation Work Plan, Revision 1," Yerington Mine Site, Yerington, Nevada. In general, the revisions to the document adequately address previous comments. Although the body of this work plan is a framework document outlining the remaining data gaps in the remedial investigation and the proposed path toward completion of the investigation, it also includes several detailed work plans and reports as attachments. In response to previous comments, the document provides approximate submittal dates and time frames for the remaining products defining the remedial investigation (e.g., Background Work Plan, Bedrock Characterization Plan, and Geochemical Characterization Work Plan). It is recommended that these approximate submittal dates/time frames be reviewed and revised, as necessary, to reflect the most current estimates.
(14-R09-004) (S. Acree (GWERD) 580-436-8609) (R. Ford (LRPCD) 513-569-7501)

Technical Assistance Region IX: On June 17, 2014, Dr. Eva Davis (GWERD) provided technical review comments to RPM Carolyn D'Almeida on the "Draft Addendum #1 Remedial Design and Remedial Action Work Plan (RAWP) for Operable Unit 2, Revised Groundwater Remedy, Site ST012, Former Williams Air Force Base, Mesa, Arizona." This addendum outlines the steam injection/extraction startup strategy to be used for the Steam Enhanced Extraction system based on the observed presence of light nonaqueous phase liquids (LNAPL) in borings advanced for construction of the system of steam injection and extraction wells. The purpose of this addendum is to ensure that LNAPL does not migrate away from the thermal treatment zone due to steam injection, or minimize the potential for such undesirable migration. There are some concerns with the scoring system employed to categorize the boring intervals for potential LNAPL presence. There is also a concern about large areas with significant LNAPL contamination that, with the injection/extraction strategy outlined here, will not receive significant steam. It is strongly recommended that the use of cyclic steam injection (as described in the Final Remedial Design and Remedial Action Work Plan) be considered for particular areas in order to treat them with steam while minimizing the risk of spreading LNAPL outside of the treatment area.
(14-R09-002) (E. Davis (GWERD) 580-436-8548)

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