

TECHNICAL MEMORANDUM

To: Nevada Environmental Response Trust

Cc: Nevada Division of Environmental Protection
United States Environmental Protection Agency

From: Chris Hayes

Date: April 15, 2022

Subject: Unit 4 Source Area In-Situ Bioremediation Treatability Study Monthly Progress Report

At the direction of the Nevada Environmental Response Trust (NERT or Trust), Tetra Tech, Inc. (Tetra Tech) has prepared this memorandum to summarize Tetra Tech's progress during March 2022 toward successfully implementing the Unit 4 Source Area In-Situ Bioremediation (ISB) Treatability Study.

Task Progress Update: March 2022

Task M21 – Unit 4 Source Area ISB Treatability Study

- Current Status
 - Phase 2 of the Unit 4 Source Area ISB Treatability Study is ongoing. The following activities were completed in March 2022 as part of the design and implementation:
 - Drilling activities for the Area 1 and Area 2 injection/extraction and monitoring wells began on January 4, 2022 and were completed on March 23, 2022. A final layout map and construction details of all injection and monitoring wells will be provided in the April monthly progress report upon completion of the well survey.
 - Aquifer testing of the newly installed injection/extraction wells began on March 24, 2022. As of March 30, 2022, slug testing of all injection/extraction wells was completed, except the four Area 2 pilot wells, which were previously tested in November 2021. Results of the aquifer testing will be provided in future monthly progress reports once the data has been processed and evaluated.
- Schedule and Progress Updates
 - An as-built well survey of newly installed injection, extraction, and monitoring wells is scheduled for April 2022.
 - Aquifer testing will continue into April 2022, with step drawdown testing of all newly installed injection/extraction wells planned for the first half of April 2022.
 - Baseline groundwater sampling of all effectiveness monitoring and injection/extraction wells will be performed in April 2022.

- The results of the February 2022 geotechnical evaluation were used to complete a grading plan and road design. The grading permit application will be submitted to Clark County for review in April 2022.
- Health and Safety
 - There were no health and safety incidents related to Task M21 during March 2022.

CERTIFICATION

Unit 4 Source Area In-Situ Bioremediation Treatability Study Monthly Progress Report

**Nevada Environmental Response Trust Site
(Former Tronox LLC Site)
Henderson, Nevada**

Nevada Environmental Response Trust (NERT) Representative Certification

I certify that this document and all attachments submitted to the Division were prepared at the request of, or under the direction or supervision of NERT. Based on my own involvement and/or my inquiry of the person or persons who manage the systems(s) or those directly responsible for gathering the information or preparing the document, or the immediate supervisor of such person(s), the information submitted and provided herein is, to the best of my knowledge and belief, true, accurate, and complete in all material respects.

Office of the Nevada Environmental Response Trust

Le Petomane XXVII, not individually, but solely in its representative capacity as the Nevada Environmental Response Trust Trustee

Not Individually, but Solely
as President of the Trustee

Signature: Jay A. Steinberg, not individually,
but solely in his representative capacity as President of the Nevada Environmental Response Trust Trustee

Name: Jay A. Steinberg, not individually, but solely in his representative capacity as President of the Nevada Environmental Response Trust Trustee

Title: Solely as President and not individually

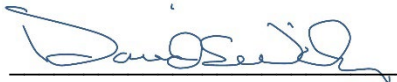
Company: Le Petomane XXVII, Inc., not individually, but solely in its representative capacity as the Nevada Environmental Response Trust Trustee

Date: 4/15/22

CERTIFICATION

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been prepared in a manner consistent with the current standards of the profession, and to the best of my knowledge, comply with all applicable federal, state, and local statutes, regulations, and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Description of Services Provided: Prepared Unit 4 Source Area In-Situ Bioremediation Treatability Study Monthly Progress Report.



David S. Wilson, CEM

Principal Engineer

Tetra Tech, Inc.

Nevada CEM Certificate Number: 2385

Nevada CEM Expiration Date: September 19, 2022

April 15, 2022

Date