

TECHNICAL MEMORANDUM

To: Nevada Environmental Response Trust

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

From: Dana Grady

Date: September 29, 2022

Subject: Las Vegas Wash ZVI-Enhanced 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 August 2022 toward successfully implementing the Las Vegas Wash Zero-Valent Iron (ZVI)-Enhanced Bioremediation Treatability Study.

Task Progress Update: August 2022

Task M18 – Las Vegas Wash ZVI-Enhanced Bioremediation Treatability Study

- Current Status
 - Based on dialogue from several meetings with the NDEP Bureau of Water Pollution Control (BWPC), an application for an Underground Injection Control (UIC) General Permit for Groundwater Remediation (Long-Term) was submitted to BWPC on July 28, 2022.
 - The ZVI-Enhanced Bioremediation Treatability Study is located on land owned by the City of Henderson (COH). The final approved access agreement was received from the City of Henderson on August 12, 2022.
 - The first phase of pre-construction field activities, which included the installation and development of pre-construction pilot wells, began on August 17, 2022 and was completed on August 31, 2022. Well construction details will be provided in future monthly progress reports upon completion of well surveying.
- Schedule and Progress Updates
 - Groundwater sampling of newly installed monitoring wells is scheduled to be performed from September 1, 2022 to September 2, 2022.
 - Slug testing of newly installed wells will be performed from September 6, 2022 through September 9, 2022.
 - Data collected from the newly installed pre-construction pilot wells will be used to select the final locations of Test 1a/1b and Test 2a/2b/2c. Upon finalization of the test area locations, the second phase of pre-construction well installation will begin in late September. This phase will include the

installation of 16 monitoring wells to collect data to determine final alignment, configuration, and terminal depths of the Test 1a/1b and Test 2a/2b/2c installations.

- Health and Safety
 - There were no health and safety incidents related to Task M18 during August 2022.

CERTIFICATION

Las Vegas Wash ZVI-Enhanced Bioremediation Treatability Study Monthly Progress Report

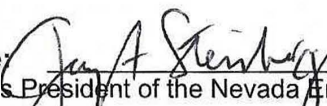
**Nevada Environmental Response Trust Site
(Former Tronox LLC Site)
Henderson, Nevada**

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

Signature:  _____, <sup>Not Individually, but Solely
as President of the Trustee</sup> 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: 9/29/22

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 Las Vegas Wash ZVI-Enhanced Bioremediation Treatability Study Monthly Progress Report.



David S. Wilson, CEM
Principal Engineer
Tetra Tech, Inc.

September 29, 2022

Date

Nevada CEM Certificate Number: 2385
Nevada CEM Expiration Date: September 19, 2024