

# TECHNICAL MEMORANDUM

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**To:** Nevada Environmental Response Trust

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

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**From:** Dana Grady

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**Date:** July 28, 2022

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

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

## Task Progress Update: June 2022

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

- Current Status
  - Phase 2 (design and implementation of a field test) is planned to be completed in the vicinity of Las Vegas Wash Transect 1A (Transect 1A) in accordance with the Work Plan Addendum, which was submitted to the Nevada Division of Environmental Protection (NDEP) on October 2, 2021 and approved on November 10, 2021.
  - The Transect 1A area is located on land owned by the City of Henderson (CoH). On January 6, 2022, the CoH provided a preliminary draft of a Revocable Permit for Transect 1A access requesting information from the Trust to complete the draft Revocable Permit. Trust comments were provided to the CoH on January 14, 2022 and the CoH completed its review and provided the Trust a revised draft of the Revocable Permit on June 23, 2022. The Trust subsequently responded on June 30, 2022 and is awaiting a final Revocable Permit.
  - A meeting with the NDEP Bureau of Water Pollution Control (BWPC) was held on January 13, 2022 to discuss Underground Injection Control (UIC) permitting for the Phase 2 Implementation. At the conclusion of the meeting, BWPC informed NERT to await further direction regarding the structure of the UIC permit. On March 29, 2022, the Trust reached out to Andrew Kowler (BWPC) to inquire about the permit status or required additional information (if needed). The Trust participated in a follow-up call with BWPC on May 16, 2022 and is currently awaiting further direction.
- Schedule and Progress Updates

- Transect 1A access is pending CoH approval of the draft Revocable Permit. The preliminary Phase 2 schedule assumed approval of the Revocable Permit by January 15, 2022. Upon issuance of the permit by CoH, the Phase 2 implementation schedule will be revised and provided to NDEP.
- Health and Safety
  - There were no health and safety incidents related to Task M18 during June 2022.

## CERTIFICATION

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

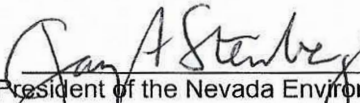
**Nevada Environmental Response Trust Site  
(Former Tronox LLC Site)  
Henderson, Nevada**

#### **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

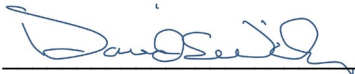
**Date:** 7/28/22

## CERTIFICATION

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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.

July 28, 2022

Date

Nevada CEM Certificate Number: 2385  
Nevada CEM Expiration Date: September 19, 2022