

# 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:** Katie Hendrickson

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**Date:** December 2, 2021

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**Subject:** Hydrogen-Based Gas Permeable Membrane Pilot 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 October 2021 toward successfully implementing the Hydrogen-Based Gas Permeable Membrane Pilot Study. This memorandum represents the final monthly update associated with pilot study operations. The Trust anticipates submittal of the Hydrogen-Based Gas Permeable Membrane Pilot Study Results Report to NDEP in first quarter of 2022.

## Task Progress Update: October 2021

### Task M26 – Hydrogen-Based Gas Permeable Membrane Pilot Study

- Current Status
  - The pilot study operations were completed on August 9, 2021.
  - The final cleaning, decommissioning and transport of the pilot system equipment offsite was completed during October 2021.
- Schedule and Progress Updates
  - The draft Hydrogen-Based Gas Permeable Membrane Pilot Study Results Report is in progress.
- Health and Safety
  - There were no health and safety incidents related to Task M26 during October 2021.

## CERTIFICATION

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### Hydrogen-Based Gas Permeable Membrane Pilot 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:** , not individually, but solely in his representative capacity as President of the Nevada Environmental Response Trust Trustee

Not Individually, but Solely  
as President of the 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:** 12/2/21

## 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 Hydrogen-Based Gas Permeable Pilot Study Monthly Progress Report.



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

December 2, 2021

Date

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