

# 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:** Arul Ayyaswami and Dan Pastor

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**Date:** March 23, 2018

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**Subject:** In-Situ Chromium Treatability Study Monthly Progress Update

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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 that summarizes Tetra Tech's progress made through February 2018 toward successfully implementing the In-Situ Chromium Treatability Study as outlined in the In-Situ Chromium Treatability Study Work Plan (Work Plan).

## Task Progress Update: February 2018

### Task M12 – In-Situ Chromium Treatability Study

- Task Leader – Arul Ayyaswami
- Current Status
  - Field activities associated with the In-Situ Chromium Treatability Study have been completed. The Draft In-Situ Chromium Treatability Study Report is under development.
- Schedule and Progress Updates
  - The Draft Revised In-Situ Chromium Treatability Study Results Report will be submitted in March 2018.
  - Additional performance groundwater monitoring events will be performed in March 2018 and June 2018 as part of the biological reduction study to further evaluate groundwater velocity, carbon substrate longevity, the degree to which reduction of hexavalent chromium and other chemicals of potential concern could occur within the UMCf, and confirm geochemical conditions return to baseline conditions. The results of the groundwater monitoring events will be presented in a technical memorandum in 3<sup>rd</sup> Quarter 2018.
- Health and Safety
  - There have been no health and safety incidents related to Task M12 during February.

## CERTIFICATION

### In-Situ Chromium Treatability Study Monthly Progress Update

**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 Pres. Trust*

**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

*3/28/18*

**Date:** \_\_\_\_\_

## 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:** In-Situ Chromium Treatability Study Progress Update, Nevada Environmental Response Trust Site, Henderson, Nevada.



March 23, 2018

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**Kyle Hansen, CEM**  
Field Operations Manager/Geologist  
Tetra Tech, Inc.

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Date

Nevada CEM Certificate Number: 2167  
Nevada CEM Expiration Date: September 18, 2018