

QUESTA TAILINGS PIPELINE REMOVAL STAGE 4 WORK PLAN CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY QUESTA MINE

August 13, 2018

Project #: 476-027-002

SUBMITTED BY: Trihydro Corporation

707 West 1st Street, Casper, WY 82601

ENGINEERING SOLUTIONS. ADVANCING BUSINESS.

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1.0 INTRODUCTION

Chevron Mining Inc. (CMI) submitted the revised "Questa Tailings Pipeline Removal Mining Minerals Division (MMD) / New Mexico Environmental Department's (NMED) Work Plan, Chevron Environmental Management Company, Questa Mine" (Removal Work Plan) (Trihydro 2017) to New Mexico Energy, Minerals and Natural Resources Department (EMNRD), MMD, NMED Groundwater Bureau, and U.S. Environmental Protection Agency, Region 6 (USEPA) on May 19, 2017. Approval for this Removal Work Plan was received from MMD and NMED on June 5, 2017 and from USEPA on June 14, 2017. The Removal Work Plan provides an overarching plan for the removal of the Questa tailings pipeline. The Removal Work Plan states that specific work plans will be developed to detail the removal plans for individual pipeline segments.

The pipeline removal project has been divided into eight stages. Stage 1 activities entailed the removal of high density polyethylene (HDPE) and steel pipe from the existing tailings facility. Stage 1 work was performed solely under the process described in the Removal Work Plan. Stage 1 work commenced July 10, 2017 and was completed July 24, 2017. Stage 2 through Stage 8 work activities will be conducted under the Removal Work Plan as well as individual stage-specific work plans. Stages 2 through Stage 8 are outlined in Table 1-1 and are not anticipated to be completed in numerical order.

This document represents the individual plan for Stage 4 removal of the tailings pipeline. The work identified in this plan will result in the removal of approximately 8,300 feet (ft) of pipe. The pipe will be removed principally from United States Forest Service (USFS) owned property.



201808 Stage4-WP RPT.docx

TABLE 1-1. PIPELINE SEGMENT PRIORITIZATION AND STAGE IDENTIFICATION

| Pipeline Segment Description | Approximate Length of Segment (feet) | Stage |
|---|---|-------|
| Tailing Facility | 10000 | 1 |
| Columbine Wells Area | 4000 | 2 |
| Tailing Facility Entrance | 2800 | 2 |
| Corny's Corner hillside | 1200 | 2 |
| 4th Road Crossing (State Road) plus Embargo Road | 1100 | 2 |
| Singleton's Cut | 2900 | 2 |
| Robinson's Property | 850 | 2 |
| East of Molycorp baseball field | 1400 | 2 |
| Upstream of the lower Dump Sump | 1600 | 2 |
| Pressure vessels to underground | 500 | 3 |
| East of Middle Pile | 1000 | 3 |
| Goat Hill Entrance Area | 2350 | 3 |
| Bear Cut | 2500 | 3 |
| USFS Office Area | 3200 | 4 |
| Forest Service Property west of Molycorp field | 950 | 4 |
| East of Sulphur gulch | 650 | 5 |
| West of Sulphur gulch | 1200 | 5 |
| Sugar Shack South | 4100 | 5 |
| 1st Road Crossing (East Hwy 38 road) | 90 | 5 |
| Columbine Curve | 1400 | 5 |
| 2nd Road Crossing | 90 | 5 |
| Admin Section | 1800 | 5 |
| Between Goat Hill and Bear Cut | 2500 | 5 |
| 3rd Road Crossing | 90 | 5 |
| Rock Wall (Between Bear Cut and Forest Service) (aka "Rock and Hard Place") | 3300 | 5 |
| Lower Embargo Road Crossing | | 5 |
| Rael Property | 1500 | 6 |
| 1st River Crossing (by Columbine Park) | 60 | 6 |
| 2nd River Crossing (aka Thunder Bridge) | 100 | 6 |
| 3rd River Crossing | 100 | 6 |
| Elevated Trestle | 1300 | 7 |
| Lower Dump Sump | 0 | 8 |
| Downstream of 1st River Crossing- Columbine Park Entrance | 600 | |

2.0 AGENCY PERMITS AND NOTIFICATIONS

The bulk of Stage 4 activities will be covered by the MMD Mining Act Permit TA001RE, Revision 96-1 and NMED Discharge Permit DP-933. Any historic tailing spills encountered during the pipeline removal will be removed pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), Administrative Order on Consent for Removal Actions (Removal AOC), Docket No. 06-09-12.

Additional permits/notifications required may include:

- An excavation permit from Taos County will be required if tailings removal will exceed 50 cubic yards. The
 amount of tailings to be removed will be calculated during the pipe removal process. If the estimated quantity
 exceeds 50-cubic yards CMI will apply to Taos County for an excavation permit.
- An asbestos notification form under the National Emission Standards for Hazardous Air Pollutants (NESHAP) submitted to the NMED Air Quality Bureau (AQB) will be filed before any asbestos removal is undertaken. The pipeline and associated structures have been sampled for the presence of asbestos and lead under the guidelines presented in the Removal Work Plan. Stage 4 piping was found to be non-detect for asbestos during August 2017 sampling events
- Consultation with the United States Fish and Wildlife Service (USFWS) and/or the New Mexico Department of
 Game and Fish (NMDGF) to ensure compliance with the Threatened and Endangered Species Act (USFWS 1973),
 Migratory Bird Treaty Act (USFWS 1918), and the Bald and Golden Eagle Protection Act (U.S.C. 1940).
- A Storm Water Pollution Prevention Plan (SWPPP), 2012 Construction General Permit (GCP) will be obtained before starting work.
- Consultation with the New Mexico Historic Preservation Division (NMHPD) of the New Mexico Department of Cultural Affairs regarding the historic structures survey being completed at the site. A survey was completed and submitted to NMHPD.
- Consultation with the United States Corps of Engineers (USACE) regarding potential navigable waters and/or wetlands near the pipeline segment.
- Consultation with the New Mexico Office of the State Engineer (OSE) regarding possible structures permitted through the OSE near the pipeline segment.
- Notification to Amigos Bravos, Trout Unlimited, and the Irrigation District regarding streams near the pipeline segment.

Work will not begin until approval to proceed has been received.



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3.0 STAGE 4 AREAS

A description of the areas included in the Stage 4 pipeline removal plan are illustrated in Table 3-1. Figure 3-1 provides an overall view of the Stage 4 project areas. Detailed views of individual pipe sections are included as Figures 3-2 and 3-3.

TABLE 3-1. AREAS INCLUDED IN STAGE 4 PIPELINE REMOVAL PLAN

| Pipeline Segment Description | Description Segment Preferred Months (feet) (Alternative 1) | | Above (A) or Underground (U)? | CMI Ownership? | Figure |
|--------------------------------------|---|---|----------------------------------|-------------------|--------|
| USFS Office Area | 3200 | Not in peak tourist season or in winter months; late fall preferred for work | А | N | 3-2 |
| USFS Property West of Molycorp Field | | | A Partially U | N | 3-3 |

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4.0 REMOVAL ACTIVITIES

Prior to pipe removal activities, the pipe and associated structures were sampled and analyzed for lead based paint and asbestos using the methods detailed in the Removal Work Plan. Results from analysis showed that the paint used to coat piping along the alignment was non-detect for lead. Results from asbestos sampling and analysis showed non-detect along the Stage 4 alignment. Sample locations and results are shown in Figures 4-1 and 4-2. Pipe or pipeline structures found to contain lead based paint or asbestos will be disposed of according to State and Federal requirements as well as Chevron's Third Party Waste Stewardship (TWS) requirements. A complete data set of lead and asbestos analytical results can be found in Appendix A.

Utility locates, and any necessary surveying will be conducted prior to pipe removal activities. Although unlikely in Stage 4 activities, road closures will be negotiated with the pertinent stakeholders prior to undertaking any closure activities.

Pipe removal will be conducted under the guidelines specified under Section 4.1 of the Removal Work Plan (Trihydro 2017). Stage 4 pipeline areas are primarily located on the USFS property.

The Stage 4 pipeline is on the surface mainly and it is anticipated that all pipe will be removed. This pipe will be removed by separating the pipe at its couplings. In areas where de-coupling is impractical the pipe will be cut using a hydraulic shear mounted on an excavator. The pipe will then be loaded and trucked to the tailings facility.

Structures such as pipe couplings, anchor structures, pipe bend structures, and concrete thrust blocks will be removed in accordance with Section 4.2 of the Removal Work Plan (Trihydro 2017).

All waste will be disposed of according to the methods outlined in Sections 2.3.3 and 4.0 in the Removal Work Plan.

Approximate quantities of material to be removed are detailed in Table 4-1.

TABLE 4-1. QUANTITIES OF DEMOLITION MATERIALS

| Pipeline Segment Description | Approximate Quantity of Pipe to be Removed (feet) | Approximate Quantity of Concrete (tons) | Approximate Quantity of Steel (tons) | | |
|--------------------------------------|---|---|--------------------------------------|--|--|
| USFS Office Area | 6400 | 128 | 1 | | |
| USPS Property West of Molycorp Field | 1900 | 38 | 0.3 | | |



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5.0 RECLAMATION

Areas disturbed during pipe removal, tailing removal and other demolition activities conducted under this work plan will be reclaimed according to the procedures outlined in Section 4.2.10 of the Removal Work Plan (Trihydro 2017). The pipeline right of way will be regraded to match the natural grade of the area or to meet the needs of future planned land use, such as a trail. Clean fill, if necessary, will be imported from previously approved borrow sources. A map indicating the locations of borrow material is included as Appendix B.

Once the grading has been completed disturbed areas will be reseeded using the mix detailed in Table 5-1. Alternate seed mixes may be used for private properties depending upon the anticipated land use or if availability of certain seed species is limited. The seed mix may be negotiated with the proper regulatory agencies based on the area of application.

TABLE 5-1. SEED MIXTURE

| Grasses | | lbs PLS/acre |
|--|-------------------------|-----------------|
| Western Wheatgrass, var. Arriba | Pascopyrum smithii | 5.0 |
| Slender Wheatgrass, var. Sna Luis | Elymus trachycaulus | 3.0 |
| Bluebuch Wheatgrass, var. Goldar | Pseudoroegneria spicata | 4.0 |
| Sand Dropseed | Sporobolus cryptandrus | 1.0 |
| Prairie Junegrass | Koeleria macrantha | 2.0 |
| Forbs | | |
| Western Yarrow | Achillea millefolium | 2.0 |
| Rocky Mountain Penstemon, var. Bandera | Penstemon strictus | 4.0 |
| Prairie Coneflower | Ratibida Columnifera | 4.0 |
| Showy Evening Primrose | Oenothera speciose | 2.0 |
| Shrubs | | |
| Big Rabbitbrush | Ericameria nauseosa | 2.0 |
| Apache Plume | Fallugia paradoxa | 1.0 |

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6.0 STAKEHOLDER ENGAGEMENT

The key stakeholders for this stage of pipeline removal include:

- Taos County
- NMDGF
- USFWS
- USFS (property owner)
- NMHPD
- USACE
- Amigos Bravos/Trout Unlimited
- Irrigation District
- OSE

Outreach to the key stakeholders has begun and will continue throughout the pipeline removal project. Stage 4 activities will be discussed with the public during the scheduled monthly meeting with the Village of Questa.

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7.0 SCHEDULE

The schedule for Stage 4 of the Questa pipeline removal project is detailed below in Table 7-1

TABLE 7-1. STAGE 4 PIPELINE REMOVAL SCHEDULE

| Pipeline Segment Description | Target Date of Commencement for Pipe Removal |
|--------------------------------------|--|
| USFS Office Area | 2019 Q1 |
| USPS Property West of Molycorp Field | 2019 Q1 |

8.0 HEALTH AND SAFETY

CMI and its contractors put safety first and foremost in all operations. A project specific Health and Safety Plan (HASP) will be developed for the pipeline removal activities. The project specific HASP will be similar in scope and detail presented in the December 20, 2016 HASP (Trihydro 2016) prepared for coordination, sampling, and surveying activities completed in the initial phases of the pipeline dismantling and stabilization. The project-specific HASP will include the following details:

- Emergency response procedures and reporting
- Project team organization and responsibilities
- Training, orientation, and medical monitoring requirements
- A site hazard analysis
- Analysis of chemical, physical, and biological hazards
- Required personal protective equipment
- Air monitoring requirements
- Site control measures
- Waste management
- Motor vehicle safety requirements

Other documents used to identify and mitigate hazards associated with the project will include the forms listed below. Examples of the listed forms are included in Appendix C.

- Pre-fieldwork safety readiness reviews. This document provides project management an opportunity to interact
 with field personnel prior to commencement of field activities.
- Job Safety Analysis (JSA) forms. JSA forms are drafted for each task. Job steps, potential hazards and mitigation steps are identified and communicated to team members. The JSA form is included in Appendix C.
- Field observations. Observations will be conducted throughout the project to verify compliance with operational safety standards.
- Near Miss investigations. Near misses identified by team members will be investigated to determine root causes
 and means to avoid similar incidents in future operations. The outcome of these investigations will be shared with
 all team members.



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- Daily tailgate safety meetings. Daily tailgate safety meeting will be conducted every day prior to commencement
 of operations. The meetings are an opportunity to review JSA forms, discuss changing conditions, lessons learned
 and operational details.
- Weekly management safety meetings. This meeting is an opportunity for the project leadership to discuss upcoming operations, lessons learned, near loss investigations and other potential issues covered in the weekly project meeting.
- Journey management plans (JMPs). JMPs are used to identify hazards associated with transportation. These plans identify hazard and provide mitigation steps for enhancing vehicle operational safety.

The use of the documents create the foundation for hazard awareness and mitigation. Our companies have embedded their use into our respective corporate cultures and freely share best practices and lesson learned.

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9.0 CONTRACTORS KEY PERSONNEL

Trihydro Corporation (Trihydro) will be responsible engineering, contractor oversight, environmental sampling, permitting and regulatory support. Key Trihydro personnel include:

- **Shaun Harshman.** Shaun is the project manager and primary project contact for Trihydro. Shaun has a Bachelor of Science degree in Soil Science. He has over 30 years of experience in the environmental field, with over 18 years of experience on Chevron projects. He can be reached at (307) 259-5909 or sharshman@trihydro.com.
- Tony Kupilik. Tony will be Trihydro's primary construction oversight and health and safety manager. Tony has over 25 years of experience in heavy construction and mining. He is a certified MSHA instructor, New Mexico Surface Coal Foreman, Excavation Competent Person, 3D Driving instructor and has OSHA 40 hour HAZWOPER training. He is also certified in Red Cross CPR, AED, and First Aid. He can be reached at (307) 760-8082 or tkupilik@trihydro.com.

The primary contractor for Stage 4 has not been identified. This section will be updated upon contractor project award.

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10.0 REFERENCES

Trihydro Corporation (Trihydro). 2016. Health and Safety Plan (HASP), Field Summary, Chevron Environmental Management Company (CEMC), Environmental Activities, Questa Mine. December 20, 2016.

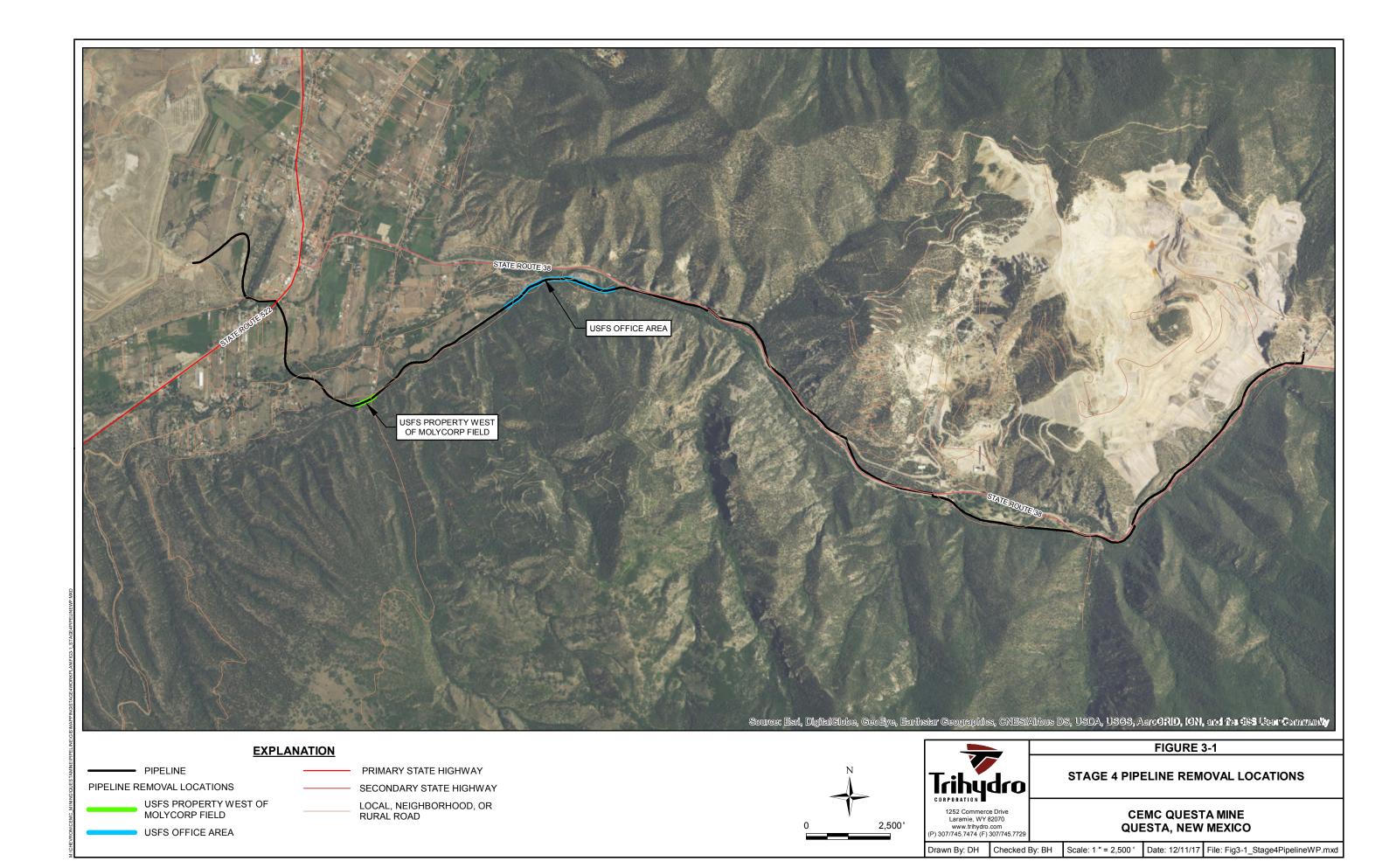
Trihydro. 2017. Questa Tailings Pipeline Removal MMD/NMED Work Plan, Chevron Environmental Management Company, Questa Mine. May 19, 2017.

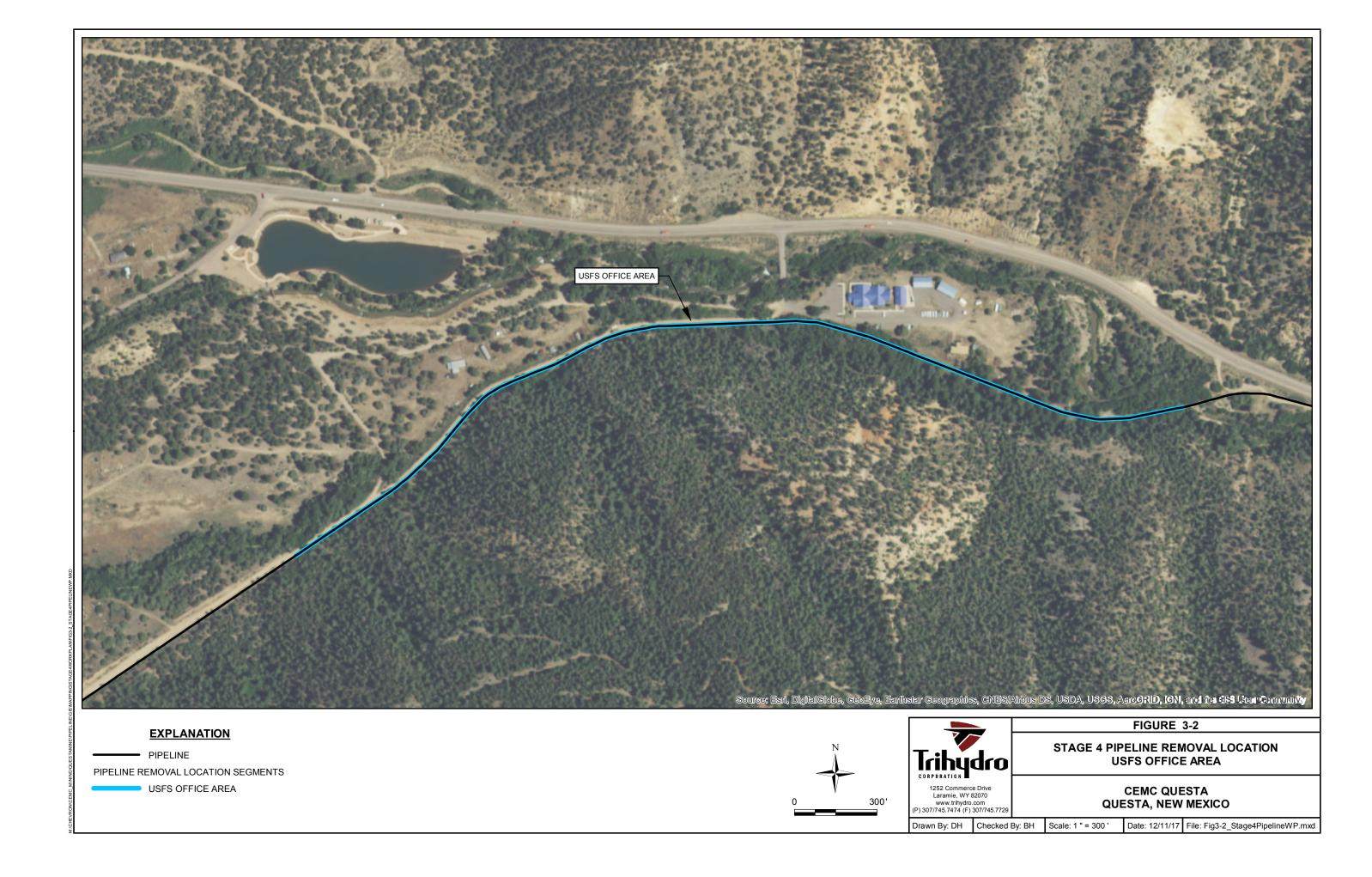


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FIGURES





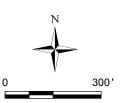




- PIPELINE

PIPELINE REMOVAL LOCATION SEGMENTS

USFS PROPERTY WEST OF MOLYCORP FIELD



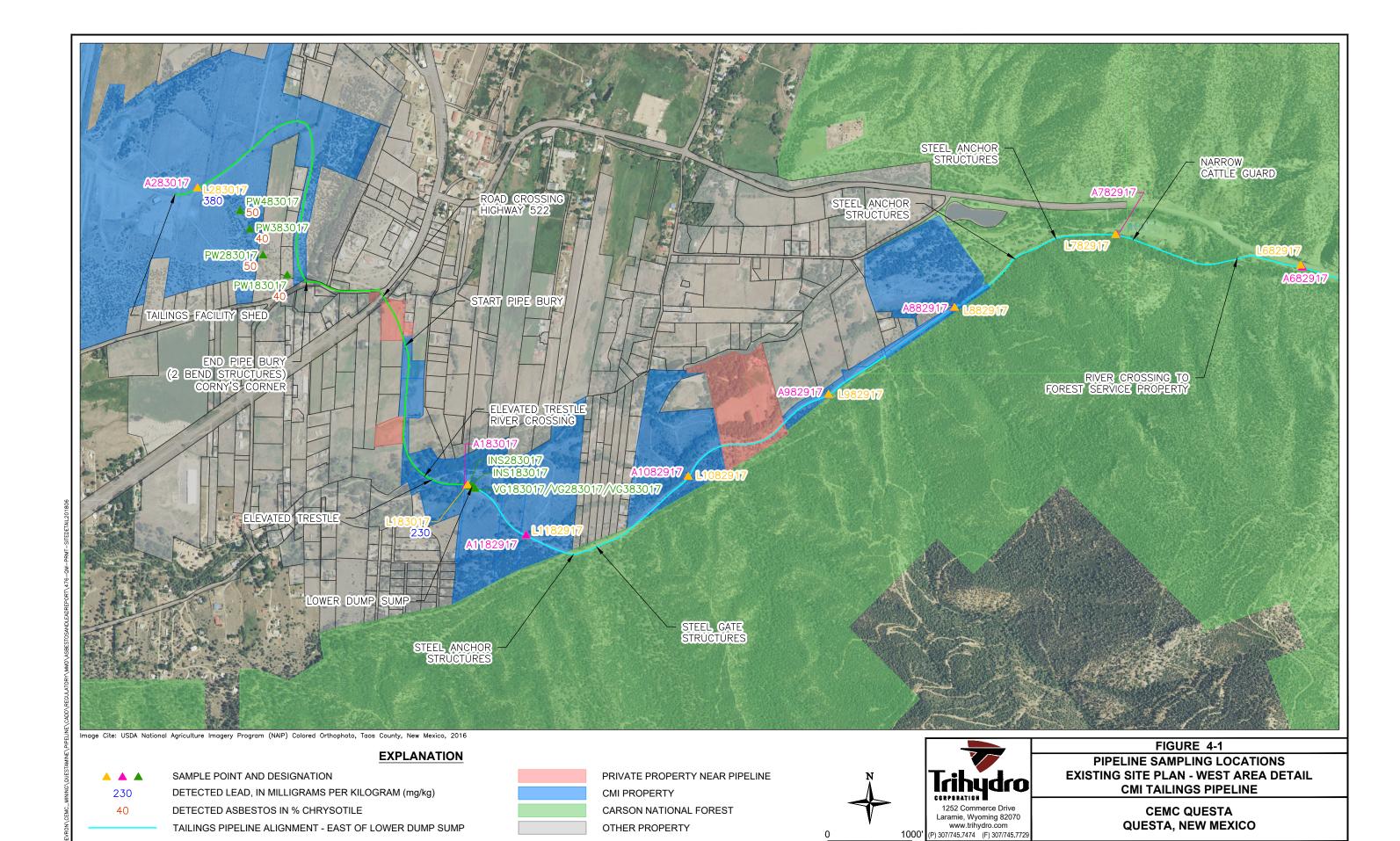


STAGE 4 PIPELINE REMOVAL LOCATION USFS PROPERTY WEST OF MOLYCORP FIELD

CEMC QUESTA QUESTA, NEW MEXICO

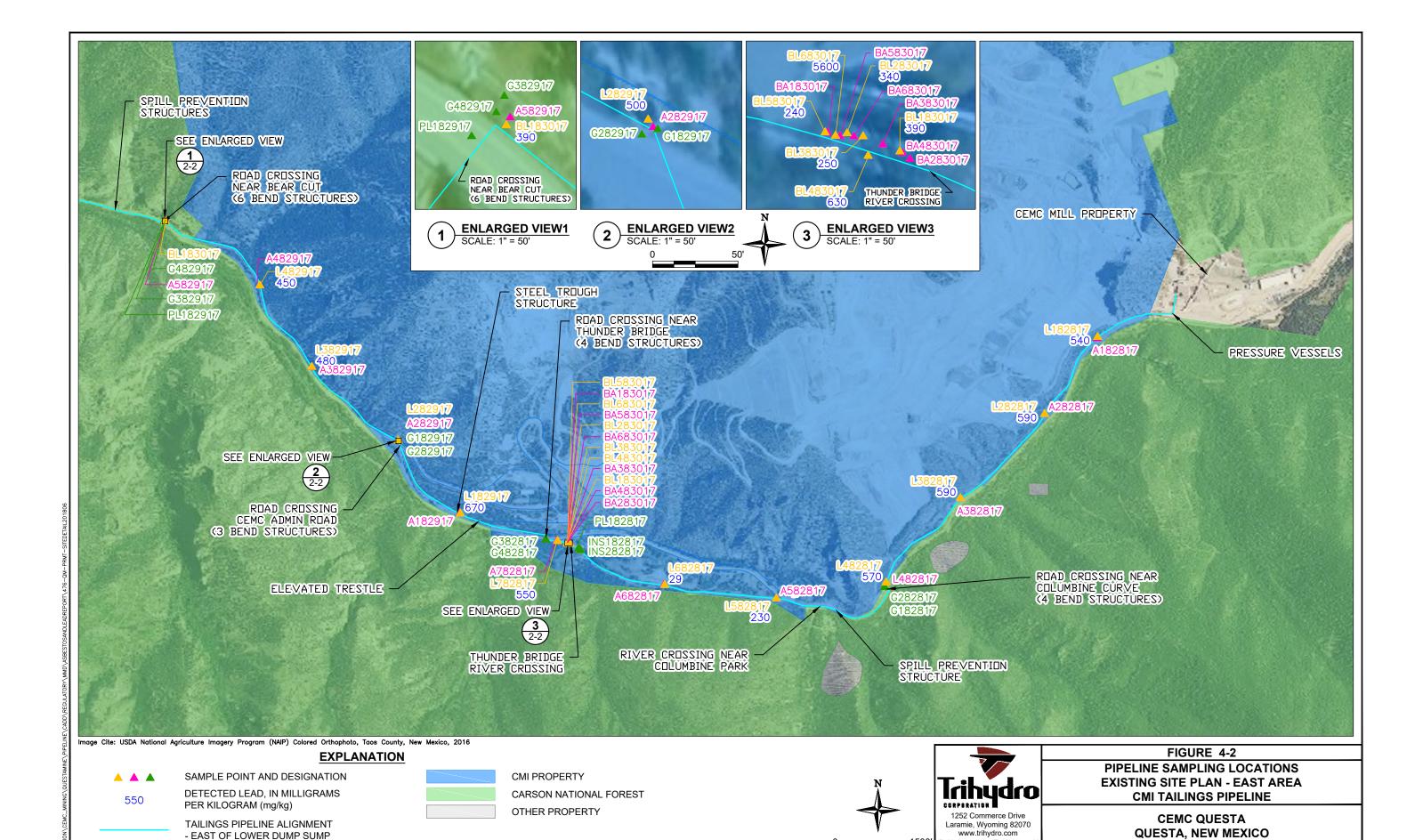
Drawn By: DH Checked By: BH Scale: 1 " = 300 '

Date: 12/11/17 File: Fig3-3_Stage4PipelineWP.mxd



Drawn By: PC | Checked By: CS | Scale: 1" = 1000' | Date: 6/18/18 | File: 476-QM-PRMT-SITEDETAIL201806

TAILINGS PIPELINE ALIGNMENT - WEST OF LOWER DUMP SUMP



1500'

(P) 307/745.7474 (F) 307/745.772

Drawn By: PC Checked By: CS Scale: 1" = 1500'

Date: 4/26/17 File: 476-QM-PRMT-SITEDETAIL201806

APPENDIX A

LEAD AND ASBESTOS SAMPLING LAB DATA



TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Denver 4955 Yarrow Street Arvada, CO 80002 Tel: (303)736-0100

TestAmerica Job ID: 280-100940-1

Client Project/Site: Questa Pipeline - Lead and Asbestos

For:

Trihydro Corporation 1252 Commerce Drive Laramie, Wyoming 82070

Attn: Tony Kupilik

Authorized for release by: 9/21/2017 4:43:36 PM Michelle Johnston, Project Manager II (303)736-0110 michelle.johnston@testamericainc.com

Designee for

Donna Rydberg, Senior Project Manager (303)736-0192

donna.rydberg@testamericainc.com

----- LINKS ------

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Have a Question?



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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Trihydro Corporation Project/Site: Questa Pipeline - Lead and Asbestos

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Definitions/Glossary

Client: Trihydro Corporation

Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin)

Project/Site: Questa Pipeline - Lead and Asbestos

TestAmerica Job ID: 280-100940-1

Glossary

TEF

TEQ

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |

Case Narrative

Client: Trihydro Corporation

Project/Site: Questa Pipeline - Lead and Asbestos

TestAmerica Job ID: 280-100940-1

Job ID: 280-100940-1

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: Trihydro Corporation

Project: Questa Pipeline - Lead and Asbestos

Report Number: 280-100940-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 09/07/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 22.2 C.

TestAmerica Denver subcontracted the Asbestos analyses to EMLab P&K. A copy of their report has been included.

TOTAL METALS (ICP)

Samples L182817 (280-100940-8), L282817 (280-100940-9), L382817 (280-100940-10), L482817 (280-100940-11), L582817 (280-100940-12), L682817 (280-100940-13), L782817 (280-100940-14), L182917 (280-100940-33), L282917 (280-100940-34), L382917 (280-100940-35), L482917 (280-100940-36), L582917 (280-100940-37), L682917 (280-100940-38), L782917 (280-100940-39), L882917 (280-100940-40), L982917 (280-100940-41), L1082917 (280-100940-42), L1182917 (280-100940-43), L183017 (280-100940-57), L283017 (280-100940-58), BL183017 (280-100940-59), BL283017 (280-100940-60), BL383017 (280-100940-61), BL483017 (280-100940-62), BL583017 (280-100940-63) and BL683017 (280-100940-64) were analyzed for Total Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 09/11/2017 and analyzed on 09/12/2017 and 09/13/2017.

A deviation from the Standard Operating Procedure (SOP) occurred. Details are as follows: There was insufficient volume to weigh out the SOP specified 1.0-1.5g for the following samples: L1182917 (280-100940-43), BL183017 (280-100940-59), BL283017 (280-100940-60), BL383017 (280-100940-61), BL483017 (280-100940-62), BL583017 (280-100940-63) and BL683017 (280-100940-64).

Samples L582817 (280-100940-12)[5X], L682817 (280-100940-13)[2X], L382917 (280-100940-35)[2X], L782917 (280-100940-39)[5X], L283017 (280-100940-58)[5X], BL183017 (280-100940-59)[10X], BL283017 (280-100940-60)[10X], BL383017 (280-100940-61)[5X], BL483017 (280-100940-62)[20X], BL583017 (280-100940-63)[5X] and BL683017 (280-100940-64)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 280-387084. Method precision and accuracy have been verified by the acceptable LCS/LCSD analyses data.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 280-387083. Method precision and accuracy have been verified by the acceptable LCS/LCSD analyses data.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: Trihydro Corporation

Project/Site: Questa Pipeline - Lead and Asbestos

rioject/oite. Questa ripellile - Lead and Aspestos

Client Sample ID: A182817 Lab Sample ID: 280-100940-1

No Detections.

Client Sample ID: A282817 Lab Sample ID: 280-100940-2

No Detections.

Client Sample ID: A382817 Lab Sample ID: 280-100940-3

No Detections.

Client Sample ID: A482817 Lab Sample ID: 280-100940-4

No Detections.

Client Sample ID: A582817 Lab Sample ID: 280-100940-5

No Detections.

Client Sample ID: A682817 Lab Sample ID: 280-100940-6

No Detections.

Client Sample ID: A782817 Lab Sample ID: 280-100940-7

No Detections.

Client Sample ID: L182817 Lab Sample ID: 280-100940-8

| Analyte | Result C | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|----------|-----------|------|------|-------|---------|---|--------|-----------|
| Lead | 540 | | 0.77 | 0.27 | mg/Kg | 1 | _ | 6010C | Total/NA |

Client Sample ID: L282817 Lab Sample ID: 280-100940-9

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D Method | Prep Type |
|---------|------------------|------|------------|------------------|-----------|
| Lead | 590 | 0.66 | 0.23 mg/Kg | 1 6010C | Total/NA |

Client Sample ID: L382817 Lab Sample ID: 280-100940-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|------|------|-------|---------|---|--------|--------------|
| Lead | 590 | | 0.75 | 0.26 | mg/Kg | 1 | _ | 6010C | Total/NA |

Client Sample ID: L482817 Lab Sample ID: 280-100940-11

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D Method | Prep Type |
|---------|------------------|------|------------|------------------|-----------|
| Lead | 570 | 0.82 | 0.28 mg/Kg | 1 6010C | Total/NA |

Client Sample ID: L582817 Lab Sample ID: 280-100940-12

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D Method | Prep Type |
|---------|------------------|-----|-----------|------------------|-----------|
| Lead | 230 | 4.1 | 1.4 mg/Kg | 5 6010C | Total/NA |

Client Sample ID: L682817 Lab Sample ID: 280-100940-13

This Detection Summary does not include radiochemical test results.

TestAmerica Job ID: 280-100940-1

Client: Trihydro Corporation

Project/Site: Questa Pipeline - Lead and Asbestos

| Client Sample ID: L682817 (Co | ontinu | ed) | | | | Lab Sample ID: 280- | -100940-13 |
|-------------------------------|--------|-----------|------|------|-------|---------------------|------------|
| Analyte | | Qualifier | RL | | Unit | Dil Fac D Method | Prep Type |
| Lead | 29 | | 1.2 | 0.42 | mg/Kg | 2 | Total/NA |
| Client Sample ID: L782817 | | | | | | Lab Sample ID: 280- | -100940-14 |
| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac D Method | Prep Type |
| Lead | 550 | | 0.83 | 0.29 | mg/Kg | 1 6010C | Total/NA |
| Client Sample ID: INS182817 | | | | | | Lab Sample ID: 280- | -100940-15 |
| No Detections. | | | | | | | |
| Client Sample ID: INS282817 | | | | | | Lab Sample ID: 280- | -100940-16 |
| No Detections. | | | | | | | |
| Client Sample ID: PL182817 | | | | | | Lab Sample ID: 280- | -100940-17 |
| No Detections. | | | | | | | |
| Client Sample ID: G182817 | | | | | | Lab Sample ID: 280- | -100940-18 |
| No Detections. | | | | | | | |
| Client Sample ID: G282817 | | | | | | Lab Sample ID: 280- | -100940-19 |
| No Detections. | | | | | | | |
| Client Sample ID: G382817 | | | | | | Lab Sample ID: 280- | -100940-20 |
| No Detections. | | | | | | | |
| Client Sample ID: G482817 | | | | | | Lab Sample ID: 280- | -100940-21 |
| No Detections. | | | | | | | |
| Client Sample ID: A182917 | | | | | | Lab Sample ID: 280- | -100940-22 |
| No Detections. | | | | | | | |
| Client Sample ID: A282917 | | | | | | Lab Sample ID: 280- | -100940-23 |
| No Detections. | | | | | | | |
| Client Sample ID: A382917 | | | | | | Lab Sample ID: 280- | -100940-24 |
| No Detections. | | | | | | | |
| Client Sample ID: A482917 | | | | | | Lab Sample ID: 280- | -100940-25 |
| No Detections. | | | | | | | |

This Detection Summary does not include radiochemical test results.

TestAmerica Job ID: 280-100940-1

Client Sample ID: A582917

Lab Sample ID: 280-100940-26

No Detections.

Lab Sample ID: 280-100940-27 Client Sample ID: A682917

No Detections.

Client Sample ID: A782917 Lab Sample ID: 280-100940-28

No Detections.

Client Sample ID: A882917 Lab Sample ID: 280-100940-29

No Detections.

Client Sample ID: A982917 Lab Sample ID: 280-100940-30

No Detections.

Client Sample ID: A1082917 Lab Sample ID: 280-100940-31

No Detections.

Client Sample ID: A1182917 Lab Sample ID: 280-100940-32

No Detections.

Client Sample ID: L182917 Lab Sample ID: 280-100940-33

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D Method | Prep Type |
|---------|------------------|------|------------|------------------|-----------|
| Lead | 670 | 0.73 | 0.25 mg/Kg | 1 6010C | Total/NA |

Client Sample ID: L282917 Lab Sample ID: 280-100940-34

| Analyte | Result Qualifie | r RL | MDL | Unit | Dil Fac | D | Method | Prep Type | |
|---------|-----------------|------|------|-------|---------|---|--------|--------------|--|
| Lead | 500 | 0.87 | 0.30 | mg/Kg | | _ | 6010C | Total/NA | |

Client Sample ID: L382917 Lab Sample ID: 280-100940-35

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D Method | Prep Type |
|---------|------------------|-----|------------|------------------|-----------|
| Lead | 480 | 1.5 | 0.53 mg/Kg | | Total/NA |

Client Sample ID: L482917 Lab Sample ID: 280-100940-36

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D Method | Prep Type |
|---------|------------------|------|------------|------------------|-----------|
| Lead | 450 | 0.73 | 0.25 mg/Kg | 1 6010C | Total/NA |

Client Sample ID: L582917 Lab Sample ID: 280-100940-37

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D Method | Prep Type |
|---------|------------------|------|------------|------------------|-----------|
| Lead | 280 | 0.79 | 0.27 mg/Kg | 1 6010C | Total/NA |

Client Sample ID: L682917 Lab Sample ID: 280-100940-38

This Detection Summary does not include radiochemical test results.

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Client: Trihydro Corporation

Project/Site: Questa Pipeline - Lead and Asbestos

TestAmerica Job ID: 280-100940-1

| Client Sample ID: L68 | 2917 (Continued) | | Lab Sample ID: 28 | 80-100940-38 | |
|-----------------------|------------------|------|-------------------|------------------|-----------|
| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D Method | Prep Type |
| Lead | 120 | 0.77 | 0.27 mg/Kg | 1 | Total/NA |

| Client Sample ID: I 782917 | Lah Sample ID: 280-100940-39 |
|----------------------------|------------------------------|

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D Method | Prep Type |
|---------|------------------|-----|-----------|------------------|-----------|
| Lead | 810 | 4.3 | 1.5 mg/Kg | 5 6010C | Total/NA |

| Client Sample ID: L882917 | Lab Sample ID: 280-100940-40 |
|---------------------------|------------------------------|
| | |

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D Method | Prep Type |
|---------|------------------|------|------------|------------------|-----------|
| Lead | 32 | 0.86 | 0.30 mg/Kg | 1 6010C | Total/NA |

| Client Sample ID: L982917 | Lab Sample ID: 280-100940-41 |
|---------------------------|------------------------------|
| | |

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D Method | Prep Type |
|---------|------------------|------|------------|------------------|-----------|
| Lead | 430 | 0.78 | 0.27 mg/Kg | 1 6010C | Total/NA |

| Client Sample ID: L1082917 | Lab Sample ID: 280-100940-42 |
|----------------------------|------------------------------|
| | |

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D | Method | Prep Type |
|---------|------------------|------|------------|-----------|--------|-----------|
| Lead | 460 | 0.72 | 0.25 mg/Kg | | 6010C | Total/NA |

| Client Sample ID: L1182917 | Lab Sample ID: 280-100940-43 |
|----------------------------|------------------------------|
| | |

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|-----|------|-------|---------|---|--------|-----------|
| Lead | 290 | | 1.1 | 0.38 | mg/Kg | 1 | _ | 6010C | Total/NA |

| Client Sample ID: G182917 Lab | Sample ID: 280-100940-44 |
|-------------------------------|--------------------------|
|-------------------------------|--------------------------|

No Detections.

| Client Sample ID: G282917 | Lab Sample ID: 280-100940-45 |
|---------------------------|------------------------------|
| | |

No Detections.

| Client Sample ID: G382917 | Lab Sample ID: 280-100940-46 |
|---------------------------|------------------------------|
| | |

No Detections.

| Client Sample ID: G482917 | Lab Sample ID: 280-100940-47 |
|---------------------------|------------------------------|
|---------------------------|------------------------------|

No Detections.

| Client Sample ID: PL182917 | Lab Sample ID: 280-100940-48 |
|----------------------------|------------------------------|
| | |

No Detections.

| Client Sample ID: A183017 Lab Sample ID: 280-100940-49 |
|--|
|--|

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Trihydro Corporation

Project/Site: Questa Pipeline - Lead and Asbestos

Client Sample ID: A283017 Lab Sample ID: 280-100940-50

No Detections.

Lab Sample ID: 280-100940-51 Client Sample ID: BA183017

No Detections.

Client Sample ID: BA283017 Lab Sample ID: 280-100940-52

No Detections.

Client Sample ID: BA383017 Lab Sample ID: 280-100940-53

No Detections.

Client Sample ID: BA483017 Lab Sample ID: 280-100940-54

No Detections.

Client Sample ID: BA583017 Lab Sample ID: 280-100940-55

No Detections.

Client Sample ID: BA683017 Lab Sample ID: 280-100940-56

No Detections.

Client Sample ID: L183017 Lab Sample ID: 280-100940-57

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D Method | Prep Type |
|---------|------------------|------|------------|------------------|-----------|
| Lead | 330 | 0.99 | 0.34 mg/Kg | 1 6010C | Total/NA |

Client Sample ID: L283017 Lab Sample ID: 280-100940-58

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D Method | Prep Type |
|---------|------------------|-----|-----------|------------------|-----------|
| Lead | 380 | 5.0 | 1.7 mg/Kg | 5 6010C | Total/NA |

Client Sample ID: BL183017 Lab Sample ID: 280-100940-59

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D | Method | Prep Type |
|---------|------------------|-----|-----------|-----------|--------|-----------|
| Lead | 390 | 9.3 | 3.2 mg/Kg | 10 | 6010C | Total/NA |

Client Sample ID: BL283017 Lab Sample ID: 280-100940-60

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac | D Method | Prep Type |
|---------|------------------|-----|-----------|---------|----------|-----------|
| Lead | 340 | 8.3 | 2.9 mg/Kg | 10 | 6010C | Total/NA |

Client Sample ID: BL383017 Lab Sample ID: 280-100940-61

| Analyte | Result Qualifier | RL | MDL Unit | Dil Fac D Method | Prep Type |
|---------|------------------|-----|-----------|------------------|-----------|
| Lead | 250 | 4.3 | 1.5 mg/Kg | 5 6010C | Total/NA |

Client Sample ID: BL483017 Lab Sample ID: 280-100940-62

This Detection Summary does not include radiochemical test results.

TestAmerica Job ID: 280-100940-1

Client: Trihydro Corporation

Project/Site: Questa Pipeline - Lead and Asbestos

| Client Sample ID: BL483017 (Continued) | | | | | | Lab Sample ID: 280-100940-62 | | |
|--|--------|-----------|-----|-----|-------|------------------------------|-------------|--|
| Analyte | | Qualifier | RL | | Unit | Dil Fac D Method | Prep Type | |
| Lead | 630 | | 15 | 5.3 | mg/Kg | | Total/NA | |
| Client Sample ID: BL583017 | 1 | | | | | Lab Sample ID: 280 |)-100940-63 | |
| Analyte | | Qualifier | RL | | Unit | Dil Fac D Method | Prep Type | |
| Lead | 240 | | 5.5 | 1.9 | mg/Kg | 56010C | Total/NA | |
| Client Sample ID: BL683017 | , | | | | | Lab Sample ID: 280 |)-100940-64 | |
| Analyte | Result | Qualifier | RL | | Unit | Dil Fac D Method | Prep Type | |
| Lead | 5600 | | 5.6 | 1.9 | mg/Kg | 5 6010C | Total/NA | |
| Client Sample ID: INS18301 | 7 | | | | | Lab Sample ID: 280 |)-100940-65 | |
| No Detections. | | | | | | | | |
| Client Sample ID: INS28301 | 7 | | | | | Lab Sample ID: 280 |)-100940-66 | |
| No Detections. | | | | | | | | |
| Client Sample ID: VG183017 | 7 | | | | | Lab Sample ID: 280 |)-100940-67 | |
| No Detections. | | | | | | | | |
| Client Sample ID: VG283017 | 7 | | | | | Lab Sample ID: 280 |)-100940-68 | |
| No Detections. | | | | | | | | |
| Client Sample ID: VG383017 | 7 | | | | | Lab Sample ID: 280 | -100940-69 | |
| No Detections. | | | | | | | | |
| Client Sample ID: PW18301 | 7 | | | | | Lab Sample ID: 280 |)-100940-70 | |
| No Detections. | | | | | | | | |
| Client Sample ID: PW28301 | 7 | | | | | Lab Sample ID: 280 |)-100940-71 | |
| No Detections. | | | | | | | | |
| Client Sample ID: PW38301 | 7 | | | | | Lab Sample ID: 280 |)-100940-72 | |
| No Detections. | | | | | | | | |
| Client Sample ID: PW48301 | 7 | | | | | Lab Sample ID: 280 |)-100940-73 | |
| No Detections. | | | | | | | | |

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Trihydro Corporation

Project/Site: Questa Pipeline - Lead and Asbestos

TestAmerica Job ID: 280-100940-1

| Method 6010C | Method Description Metals (ICP) | Protocol SW846 | Laboratory TAL DEN |
|---|----------------------------------|----------------|--------------------|
| Asbestos - PLM by EPA 600/R-93/116 (pric | General Sub Contract Method | NONE | |

Protocol References:

NONE = NONE

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

= EMLab P&K - Denver, 4955 Yarrow Street, Arvada, CO 80002

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

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Sample Summary

Client: Trihydro Corporation Project/Site: Questa Pipeline - Lead and Asbestos

TestAmerica Job ID: 280-100940-1

| 280-109940-1 A182817 Solid 08/28/17 13:54 280-100940-2 A282817 Solid 08/28/17 13:54 280-100940-3 A382817 Solid 08/28/17 14:20 280-100940-5 A582817 Solid 08/28/17 15:10 280-100940-6 A682817 Solid 08/28/17 15:15 280-100940-7 A782817 Solid 08/28/17 16:15 280-100940-8 L182817 Solid 08/28/17 16:15 280-100940-9 L282817 Solid 08/28/17 14:20 280-100940-10 L332817 Solid 08/28/17 14:20 280-100940-11 L482817 Solid 08/28/17 14:20 280-100940-12 L582817 Solid 08/28/17 14:20 280-100940-13 L682817 Solid 08/28/17 14:50 280-100940-14 L782817 Solid 08/28/17 15:53 280-100940-15 INS128/17 Solid 08/28/17 15:53 280-100940-16 INS282817 Solid 08/28/17 15:53 280-100940-18 G18/28/17 Solid | Received |
|--|----------------|
| 280-100940-3 A382817 Solid 08/28/17 14:20 280-100940-5 A852817 Solid 08/28/17 15:10 280-100940-5 A852817 Solid 08/28/17 15:10 280-100940-6 A852817 Solid 08/28/17 16:15 280-100940-7 A782817 Solid 08/28/17 16:15 280-100940-8 L182817 Solid 08/28/17 16:15 280-100940-8 L182817 Solid 08/28/17 16:15 280-100940-9 L28/28/17 Solid 08/28/17 14:20 280-100940-1 L38/28/17 Solid 08/28/17 14:20 280-100940-1 L38/28/17 Solid 08/28/17 14:20 280-100940-1 L48/28/17 Solid 08/28/17 14:20 280-100940-1 L48/28/17 Solid 08/28/17 14:20 280-100940-1 L58/28/17 Solid 08/28/17 14:20 280-100940-1 L58/28/17 Solid 08/28/17 14:20 280-100940-1 L58/28/17 Solid 08/28/17 14:30 280-100940-1 L58/28/17 Solid 08/28/17 16:35 280-100940-1 L78/28/17 Solid 08/28/17 16:35 280-100940-1 GA8/28/17 Solid 08/28/17 16:36 280-100940-1 GA8/28/17 Solid 08/28/17 16:36 280-100940-1 GA8/28/17 Solid 08/28/17 16:36 280-100940-2 GA8/28/17 Solid 08/28/17 16:30 280-100940-2 A8/28/17 Solid 08/28/17 10:30 280-100940-3 A8/28/17 Solid 08/28/17 10:30 280-100940-3 L8/28/17 Solid 08/28/17 10:30 280-100 | 09/07/17 09:15 |
| 280-100940-4 A482817 Solid 08/28/17 14/40 280-100940-6 A582817 Solid 08/28/17 15/35 280-100940-6 A682817 Solid 08/28/17 15/35 280-100940-7 A782817 Solid 08/28/17 13/15 280-100940-9 L282817 Solid 08/28/17 13/15 280-100940-1 L382817 Solid 08/28/17 14/20 280-100940-1 L382817 Solid 08/28/17 14/50 280-100940-1 L682817 Solid 08/28/17 14/50 280-100940-1 L682817 Solid 08/28/17 14/50 280-100940-1 L782817 Solid 08/28/17 14/50 280-100940-1 L782817 Solid 08/28/17 16/50 280-100940-1 L782817 Solid 08/28/17 16/50 280-100940-1 L782817 Solid 08/28/17 16/55 280-100940-1 L782817 Solid 08/28/17 16/55 280-100940-1 L782817 Solid 08/28/17 16/55 280-100940-1 G182817 Solid 08/28/17 1 | 09/07/17 09:15 |
| 280.100940-5 A582817 Solid 08/28/17 15:10 280.100940-6 A6822817 Solid 08/28/17 16:15 280.100940-7 A782817 Solid 08/28/17 16:15 280.100940-8 L182817 Solid 08/28/17 13:54 280.100940-9 L282817 Solid 08/28/17 14:20 280.100940-11 L382817 Solid 08/28/17 14:20 280.100940-12 L582817 Solid 08/28/17 14:50 280.100940-13 L682817 Solid 08/28/17 14:50 280.100940-14 L782817 Solid 08/28/17 16:55 280.100940-15 INS182817 Solid 08/28/17 16:55 280.100940-16 INS282817 Solid 08/28/17 16:55 280.100940-16 INS282817 Solid 08/28/17 16:55 280.100940-16 INS282817 Solid 08/28/17 16:55 280.100940-19 G282817 Solid 08/28/17 16:55 280.100940-2 G382817 Solid 08/28/17 16:50 280.100940-2 A182917 Solid | 09/07/17 09:15 |
| 280-100940-6 A682817 Solid 08/28/17 15:35 280-100940-7 A7822817 Solid 08/28/17 16:15 280-100940-8 L182817 Solid 08/28/17 13:15 280-100940-9 L282817 Solid 08/28/17 14:20 280-100940-10 L382817 Solid 08/28/17 14:20 280-100940-11 L482817 Solid 08/28/17 14:20 280-100940-12 L582817 Solid 08/28/17 14:20 280-100940-13 L68/28/17 Solid 08/28/17 16:15 280-100940-14 L78/28/17 Solid 08/28/17 16:15 280-100940-15 INS18/28/17 Solid 08/28/17 16:15 280-100940-16 INS28/28/17 Solid 08/28/17 16:15 280-100940-17 PL1828/17 Solid 08/28/17 16:15 280-100940-18 G18/28/17 Solid 08/28/17 16:55 280-100940-19 G28/28/17 Solid 08/28/17 16:55 280-100940-2 G38/28/17 Solid 08/28/17 16:40 280-100940-2 G48/28/17 | 09/07/17 09:15 |
| 280-100940-7 A782817 Solid 08/28/17 18-15 280-100940-9 L182817 Solid 08/28/17 13-15 280-100940-9 L282817 Solid 08/28/17 14-20 280-100940-10 L382817 Solid 08/28/17 14-20 280-100940-11 L482817 Solid 08/28/17 14-40 280-100940-12 L582817 Solid 08/28/17 15-35 280-100940-13 L682817 Solid 08/28/17 15-35 280-100940-14 L782817 Solid 08/28/17 15-35 280-100940-15 INS182817 Solid 08/28/17 16-15 280-100940-16 INS282817 Solid 08/28/17 16-55 280-100940-17 PL182817 Solid 08/28/17 16-55 280-100940-18 G182817 Solid 08/28/17 16-55 280-100940-19 G282817 Solid 08/28/17 14-50 280-100940-2 G382817 Solid 08/28/17 14-50 280-100940-2 G382817 Solid 08/28/17 16-40 280-100940-2 A182917 Solid | 09/07/17 09:15 |
| 280-100940-7 A782817 Solid 08/28/17 18-15 280-100940-9 L182817 Solid 08/28/17 13-15 280-100940-9 L282817 Solid 08/28/17 14-20 280-100940-10 L382817 Solid 08/28/17 14-20 280-100940-11 L482817 Solid 08/28/17 14-40 280-100940-12 L582817 Solid 08/28/17 15-35 280-100940-13 L682817 Solid 08/28/17 15-35 280-100940-14 L782817 Solid 08/28/17 15-35 280-100940-15 INS182817 Solid 08/28/17 16-15 280-100940-16 INS282817 Solid 08/28/17 16-55 280-100940-17 PL182817 Solid 08/28/17 16-55 280-100940-18 G182817 Solid 08/28/17 16-55 280-100940-19 G282817 Solid 08/28/17 14-50 280-100940-2 G382817 Solid 08/28/17 14-50 280-100940-2 G382817 Solid 08/28/17 16-40 280-100940-2 A182917 Solid | 09/07/17 09:15 |
| 280-100940-8 L182817 Solid 08/28/17 13:15 280-100940-9 L282817 Solid 08/28/17 13:54 280-100940-10 L382817 Solid 08/28/17 14:40 280-100940-11 L482817 Solid 08/28/17 14:50 280-100940-12 L582817 Solid 08/28/17 14:50 280-100940-13 L682817 Solid 08/28/17 16:15 280-100940-14 L782817 Solid 08/28/17 16:15 280-100940-15 INS182817 Solid 08/28/17 16:15 280-100940-16 INS282817 Solid 08/28/17 16:55 280-100940-17 PL182817 Solid 08/28/17 16:55 280-100940-19 G282817 Solid 08/28/17 16:55 280-100940-20 G382817 Solid 08/28/17 16:40 280-100940-21 G482817 Solid 08/28/17 16:40 280-100940-22 A182917 Solid 08/29/17 09:10 280-100940-23 A282917 Solid 08/29/17 09:10 280-100940-25 A482917 Solid | 09/07/17 09:15 |
| 280-100940-9 L282817 Solid 08/28/17 13:54 280-100940-10 L382817 Solid 08/28/17 14:20 280-100940-11 L482817 Solid 08/28/17 14:50 280-100940-12 L582817 Solid 08/28/17 14:50 280-100940-13 L682817 Solid 08/28/17 15:55 280-100940-14 L782817 Solid 08/28/17 15:55 280-100940-15 INS182817 Solid 08/28/17 15:55 280-100940-16 INS282817 Solid 08/28/17 15:55 280-100940-17 P1.82217 Solid 08/28/17 14:50 280-100940-18 G182817 Solid 08/28/17 14:50 280-100940-19 G282817 Solid 08/28/17 14:50 280-100940-19 G382817 Solid 08/28/17 14:50 280-100940-20 G382817 Solid 08/28/17 16:40 280-100940-21 G482817 Solid 08/28/17 16:40 280-100940-22 A182917 Solid 08/29/17 10:45 280-100940-23 A282917 Solid | |
| 280-100940-10 L382817 Solid 08/28/17 14/20 280-100940-11 L482817 Solid 08/28/17 14/40 280-100940-12 L582817 Solid 08/28/17 16/35 280-100940-13 L682817 Solid 08/28/17 16/35 280-100940-14 L782817 Solid 08/28/17 16/35 280-100940-15 INS182817 Solid 08/28/17 16/35 280-100940-16 INS282817 Solid 08/28/17 16/35 280-100940-16 INS282817 Solid 08/28/17 16/55 280-100940-19 G282817 Solid 08/28/17 14/50 280-100940-19 G282817 Solid 08/28/17 16/40 280-100940-20 G382817 Solid 08/28/17 16/40 280-100940-21 G482817 Solid 08/29/17 06/35 280-100940-22 A18/2917 Solid 08/29/17 08/35 280-100940-23 A28/2917 Solid 08/29/17 09/36 280-100940-24 A38/2917 Solid 08/29/17 00/36 280-100940-25 A48/2917 Solid </td <td></td> | |
| 280-100940-11 L482817 Solid 08/28/17 14/40 280-100940-12 L582817 Solid 08/28/17 14/50 280-100940-13 L682817 Solid 08/28/17 16:15 280-100940-14 L782817 Solid 08/28/17 16:15 280-100940-15 INS182817 Solid 08/28/17 15:55 280-100940-16 INS282817 Solid 08/28/17 15:55 280-100940-17 P.182817 Solid 08/28/17 15:55 280-100940-19 G182817 Solid 08/28/17 14:50 280-100940-19 G282817 Solid 08/28/17 16:40 280-100940-20 G382817 Solid 08/28/17 16:40 280-100940-21 G482817 Solid 08/28/17 16:40 280-100940-22 A182917 Solid 08/29/17 09:35 280-100940-23 A282917 Solid 08/29/17 09:45 280-100940-24 A382917 Solid 08/29/17 10:25 280-100940-25 A482917 Solid 08/29/17 10:25 280-100940-27 A682917 Solid | |
| 280-100940-12 L582817 Solid 08/28/17 14:50 280-100940-13 L682817 Solid 08/28/17 16:15 280-100940-14 L782817 Solid 08/28/17 16:15 280-100940-15 INS182817 Solid 08/28/17 15:55 280-100940-16 INS282817 Solid 08/28/17 15:55 280-100940-17 PL182817 Solid 08/28/17 15:55 280-100940-18 G182817 Solid 08/28/17 16:50 280-100940-19 G282817 Solid 08/28/17 16:40 280-100940-20 G382817 Solid 08/28/17 16:40 280-100940-21 G482817 Solid 08/28/17 16:40 280-100940-22 A182917 Solid 08/29/17 06:35 280-100940-23 A282917 Solid 08/29/17 00:45 280-100940-24 A382917 Solid 08/29/17 10:05 280-100940-25 A482917 Solid 08/29/17 10:05 280-100940-26 A582917 Solid 08/29/17 11:05 280-100940-27 A682917 Solid | |
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| 280-100940-47 G482917 Solid 08/29/17 10:25 | |
| 280-100940-48 PL182917 Solid 08/29/17 10:30 | |
| 280-100940-49 A183017 Solid 08/30/17 09:40 | |
| 280-100940-50 A283017 Solid 08/30/17 11:10 | |
| 280-100940-51 BA183017 Solid 08/30/17 11:15 | |
| 280-100940-52 BA283017 Solid 08/30/17 11:20 | |
| 280-100940-53 BA383017 Solid 08/30/17 11:25 | |

Sample Summary

Client: Trihydro Corporation

Project/Site: Questa Pipeline - Lead and Asbestos

TestAmerica Job ID: 280-100940-1

| Lab Sample ID | Client Sample ID | Matrix | Collected Received |
|---------------|------------------|--------|-------------------------------|
| 280-100940-54 | BA483017 | Solid | 08/30/17 11:30 09/07/17 09:15 |
| 280-100940-55 | BA583017 | Solid | 08/30/17 11:40 09/07/17 09:15 |
| 280-100940-56 | BA683017 | Solid | 08/30/17 11:50 09/07/17 09:15 |
| 280-100940-57 | L183017 | Solid | 08/30/17 09:40 09/07/17 09:15 |
| 280-100940-58 | L283017 | Solid | 08/30/17 11:10 09/07/17 09:15 |
| 280-100940-59 | BL183017 | Solid | 08/30/17 11:15 09/07/17 09:15 |
| 280-100940-60 | BL283017 | Solid | 08/30/17 11:20 09/07/17 09:15 |
| 280-100940-61 | BL383017 | Solid | 08/30/17 11:25 09/07/17 09:15 |
| 280-100940-62 | BL483017 | Solid | 08/30/17 11:30 09/07/17 09:15 |
| 280-100940-63 | BL583017 | Solid | 08/30/17 11:40 09/07/17 09:15 |
| 280-100940-64 | BL683017 | Solid | 08/30/17 11:50 09/07/17 09:15 |
| 280-100940-65 | INS183017 | Solid | 08/30/17 09:10 09/07/17 09:15 |
| 280-100940-66 | INS283017 | Solid | 08/30/17 09:15 09/07/17 09:15 |
| 280-100940-67 | VG183017 | Solid | 08/30/17 09:20 09/07/17 09:15 |
| 280-100940-68 | VG283017 | Solid | 08/30/17 09:30 09/07/17 09:15 |
| 280-100940-69 | VG383017 | Solid | 08/30/17 09:40 09/07/17 09:15 |
| 280-100940-70 | PW183017 | Solid | 08/30/17 15:10 09/07/17 09:15 |
| 280-100940-71 | PW283017 | Solid | 08/30/17 15:20 09/07/17 09:15 |
| 280-100940-72 | PW383017 | Solid | 08/30/17 15:30 09/07/17 09:15 |
| 280-100940-73 | PW483017 | Solid | 08/30/17 15:40 09/07/17 09:15 |

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Client Sample Results

Client: Trihydro Corporation TestAmerica Job ID: 280-100940-1

Project/Site: Questa Pipeline - Lead and Asbestos

| Method: | 6010C | - Metals | (ICP) |
|---------|-------|----------|-------|
|---------|-------|----------|-------|

| Client Sample ID: L182817 | Lab Sample ID: 280-100940-8 |
|--------------------------------|-----------------------------|
| Date Collected: 08/28/17 13:15 | Matrix: Solid |
| Date Received: 09/07/17 09:15 | |

te Received: 09/07/17 09:15

| Analyte | Result Q | Qualifier RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|--------------|------|-------|---|----------------|----------------|---------|
| Lead | 540 | 0.77 | 0.27 | mg/Kg | _ | 09/11/17 13:30 | 09/12/17 02:35 | 1 |

Client Sample ID: L282817 Lab Sample ID: 280-100940-9 Date Collected: 08/28/17 13:54 **Matrix: Solid**

Date Received: 09/07/17 09:15

| Analyte | Result Qualifie | er RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------------|-------|------|-------|---|----------------|----------------|---------|
| Lead | 590 | 0.66 | 0.23 | mg/Kg | | 09/11/17 13:30 | 09/12/17 02:37 | 1 |

Client Sample ID: L382817 Lab Sample ID: 280-100940-10 **Matrix: Solid**

Date Collected: 08/28/17 14:20 Date Received: 09/07/17 09:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D |) | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|------|-------|---|----|---------------|----------------|---------|
| Lead | 590 | | 0.75 | 0.26 | mg/Kg | | 09 | 9/11/17 13:30 | 09/12/17 02:40 | 1 |

Client Sample ID: L482817 Lab Sample ID: 280-100940-11 Date Collected: 08/28/17 14:40 **Matrix: Solid**

Date Received: 09/07/17 09:15

| Analyte | Result Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|---------|------------------|------|------------|---|----------------|----------------|---------|
| Lead | 570 | 0.82 | 0.28 mg/Kg | | 09/11/17 13:30 | 09/12/17 02:42 | 1 |

Client Sample ID: L582817 Lab Sample ID: 280-100940-12 Date Collected: 08/28/17 14:50 **Matrix: Solid**

Date Received: 09/07/17 09:15

| Analyte | Result Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|---------|------------------|-----|-----------|---|----------------|----------------|---------|
| Lead | 230 | 4.1 | 1.4 mg/Kg | | 09/11/17 13:30 | 09/13/17 07:21 | 5 |

Client Sample ID: L682817 Lab Sample ID: 280-100940-13 Date Collected: 08/28/17 15:35 **Matrix: Solid**

Date Received: 09/07/17 09:15

| Analyte | Result Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|---------|------------------|-----|------------|---|----------------|----------------|---------|
| Lead | 29 | 1.2 | 0.42 mg/Kg | | 09/11/17 13:30 | 09/13/17 07:24 | 2 |

Client Sample ID: L782817 Lab Sample ID: 280-100940-14 Date Collected: 08/28/17 16:15 **Matrix: Solid**

Date Received: 09/07/17 09:15

| Analyte | Result C | Qualifier RI | . MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|--------------|-------|-------|---|----------------|----------------|---------|
| Lead | 550 | 0.83 | 0.29 | mg/Kg | _ | 09/11/17 13:30 | 09/12/17 03:00 | 1 |

Client Sample ID: L182917 Lab Sample ID: 280-100940-33 Date Collected: 08/29/17 08:35 **Matrix: Solid**

Date Received: 09/07/17 09:15

| Date Received. 03/07/17 03.13 | | | | | | | |
|-------------------------------|------------------|------|------------|---|----------------|----------------|---------|
| Analyte | Result Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
| Lead | 670 | 0.73 | 0.25 mg/Kg | | 09/11/17 13:30 | 09/12/17 03:03 | 1 |

Client Sample ID: L282917 Lab Sample ID: 280-100940-34 Date Collected: 08/29/17 09:10 **Matrix: Solid**

| Date Received: 09/07/17 09:15 | | | | | | | | | | |
|-------------------------------|--------|-----------|------|------|-------|---|------|------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | P | repared | Analyzed | Dil Fac |
| Lead | 500 | | 0.87 | 0.30 | mg/Kg | | 09/1 | 1/17 13:30 | 09/12/17 03:05 | 1 |

Client Sample Results

Client: Trihydro Corporation TestAmerica Job ID: 280-100940-1

Project/Site: Questa Pipeline - Lead and Asbestos

Method: 6010C - Metals (ICP)

| Client Sample ID: L382917 | Lab Sample ID: 280-100940-35 |
|--------------------------------|------------------------------|
| Date Collected: 08/29/17 09:45 | Matrix: Solid |

Date Received: 09/07/17 09:15

| Analyte | Result Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|---------|------------------|-----|------------|---|----------------|----------------|---------|
| Lead | 480 | 1.5 | 0.53 mg/Kg | | 09/11/17 13:30 | 09/13/17 07:44 | 2 |

Client Sample ID: L482917 Lab Sample ID: 280-100940-36

Date Collected: 08/29/17 10:05 Date Received: 09/07/17 09:15

| Analyte | Result Qualifier | RL | MDL | Unit | D |) | Prepared | Analyzed | Dil Fac |
|---------|------------------|------|------|-------|---|---|----------------|----------------|---------|
| Lead | 450 | 0.73 | 0.25 | mg/Kg | | (| 09/11/17 13:30 | 09/12/17 03:10 | 1 |

Client Sample ID: L582917 Lab Sample ID: 280-100940-37 **Matrix: Solid**

Date Collected: 08/29/17 10:25 Date Received: 09/07/17 09:15

| Analyte | Result Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|------------------|------|------|-------|---|----------------|----------------|---------|
| Lead | 280 | 0.79 | 0.27 | mg/Kg | | 09/11/17 13:30 | 09/12/17 03:12 | 1 |

Client Sample ID: L682917 Lab Sample ID: 280-100940-38 Date Collected: 08/29/17 11:05 **Matrix: Solid**

Date Received: 09/07/17 09:15

| Date Neceived. 03/01/11 03.13 | | | | | | | | | |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Lead | 120 | | 0.77 | 0.27 | mg/Kg | | 09/11/17 13:30 | 09/12/17 03:15 | 1 |

Client Sample ID: L782917 Lab Sample ID: 280-100940-39 Date Collected: 08/29/17 11:40 **Matrix: Solid**

Date Received: 09/07/17 09:15

| Analyte | Result Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|---------|------------------|-----|-----------|---|----------------|----------------|---------|
| Lead | 810 | 4.3 | 1.5 mg/Kg | | 09/11/17 13:30 | 09/13/17 14:37 | 5 |

Client Sample ID: L882917 Lab Sample ID: 280-100940-40

Date Collected: 08/29/17 11:55 Date Received: 09/07/17 09:15

| Analyte | Result Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|---------|------------------|------|------------|---|----------------|----------------|---------|
| Lead | 32 | 0.86 | 0.30 mg/Kg | | 09/11/17 13:30 | 09/12/17 03:43 | 1 |

Client Sample ID: L982917 Lab Sample ID: 280-100940-41 **Matrix: Solid**

Date Collected: 08/29/17 12:30

| Date Received: 09/07/17 09:15 | | | | | | | | | |
|-------------------------------|----------|-------------|------|------|-------|---|----------------|----------------|---------|
| Analyte | Result C | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Lead | 430 | | 0.78 | 0.27 | mg/Kg | | 09/11/17 13:30 | 09/12/17 03:45 | 1 |

Client Sample ID: L1082917 Lab Sample ID: 280-100940-42 Date Collected: 08/29/17 15:10 **Matrix: Solid**

Date Received: 09/07/17 09:15

| Date Received, 03/01/11 03.13 | | | | | | | | | |
|-------------------------------|----------|-------------|-------|-------|---|----------------|----------------|---------|--|
| Analyte | Result Q | ualifier RI | . MDL | Unit | D | Prepared | Analyzed | Dil Fac | |
| Lead | 460 | 0.7 | 0.25 | mg/Kg | _ | 09/11/17 13:30 | 09/12/17 03:48 | 1 | |

Client Sample ID: L1182917 Lab Sample ID: 280-100940-43 **Matrix: Solid**

Date Collected: 08/29/17 16:40 Date Received: 09/07/17 09:15

| Date Received. 03/07/17 03.13 | | | | | | |
|-------------------------------|------------------|-----|------------|----------------|----------------|---------|
| Analyte | Result Qualifier | RL | MDL Unit | D Prepared | Analyzed | Dil Fac |
| Lead | 290 | 1.1 | 0.38 mg/Kg | 09/11/17 13:30 | 09/12/17 03:50 | 1 |

Matrix: Solid

Matrix: Solid

Client Sample Results

Client: Trihydro Corporation TestAmerica Job ID: 280-100940-1

Project/Site: Questa Pipeline - Lead and Asbestos

Method: 6010C - Metals (ICP)

| Client Sample ID: L183017 | Lab Sample ID: 280-100940-57 |
|--------------------------------|------------------------------|
| Date Collected: 08/30/17 09:40 | Matrix: Solid |

Date Received: 09/07/17 09:15

| Analyte | Result Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|---------|------------------|------|------------|---|----------------|----------------|---------|
| Lead | 330 | 0.99 | 0.34 mg/Kg | | 09/11/17 13:30 | 09/12/17 03:53 | |

Client Sample ID: L283017

Lab Sample ID: 280-100940-58

Date Collected: 08/30/17 11:10 Date Received: 09/07/17 09:15

 Analyte
 Result Lead
 Qualifier
 RL Store
 MDL Unit mg/Kg
 D mg/Kg
 Prepared D9/11/17 13:30
 Analyzed Malyzed Dil Fac D9/13/17 06:16
 D mg/Kg
 90/11/17 13:30
 09/13/17 06:16
 5

Date Collected: 08/30/17 11:15 Date Received: 09/07/17 09:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Lead | 390 | | 9.3 | 3.2 | mg/Kg | | 09/11/17 13:30 | 09/13/17 06:28 | 10 |

Date Received: 09/07/17 09:15

 Analyte
 Result Lead
 Qualifier
 RL 8.3
 MDL mg/Kg
 Unit Depth mg/Kg
 D mg/Kg
 Prepared prepared poly11/17 13:30
 Analyzed poly13/17 06:31
 Dil Fac poly13/17 06:31

Client Sample ID: BL383017 Lab Sample ID: 280-100940-61

Date Collected: 08/30/17 11:25
Date Received: 09/07/17 09:15

| Analyte | Result Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|---------|------------------|-----|-----------|---|----------------|----------------|---------|
| Lead | 250 | 4.3 | 1.5 mg/Kg | | 09/11/17 13:30 | 09/13/17 06:33 | 5 |

Client Sample ID: BL483017 Lab Sample ID: 280-100940-62
Date Collected: 08/30/17 11:30 Matrix: Solid

Date Collected: 08/30/17 11:30 Date Received: 09/07/17 09:15

| Analyte | Result Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|---------|------------------|----|-----------|---|----------------|----------------|---------|
| Lead | 630 | 15 | 5.3 mg/Kg | | 09/11/17 13:30 | 09/13/17 08:09 | 20 |

Client Sample ID: BL583017 Lab Sample ID: 280-100940-63

Date Collected: 08/30/17 11:40 Matrix: Solid

Date Collected: 08/30/17 11:40 Date Received: 09/07/17 09:15

| Analyte | Result Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|---------|------------------|-----|-----------|---|----------------|----------------|---------|
| Lead | 240 | 5.5 | 1.9 mg/Kg | | 09/11/17 13:30 | 09/13/17 06:38 | 5 |

Client Sample ID: BL683017 Lab Sample ID: 280-100940-64

Date Collected: 08/30/17 11:50
Date Received: 09/07/17 09:15

| Analyte | Result Qualifie | er RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------------|-------|-----|-------|---|----------------|----------------|---------|
| Lead | 5600 | 5.6 | 1.9 | mg/Kg | | 09/11/17 13:30 | 09/13/17 06:46 | 5 |

Matrix: Solid

Matrix: Solid

Matrix: Solid

QC Association Summary

Client: Trihydro Corporation

TestAmerica Job ID: 280-100940-1 Project/Site: Questa Pipeline - Lead and Asbestos

Metals

Prep Batch: 387083

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 280-100940-39 | L782917 | Total/NA | Solid | 3050B | |
| 280-100940-40 | L882917 | Total/NA | Solid | 3050B | |
| 280-100940-41 | L982917 | Total/NA | Solid | 3050B | |
| 280-100940-42 | L1082917 | Total/NA | Solid | 3050B | |
| 280-100940-43 | L1182917 | Total/NA | Solid | 3050B | |
| 280-100940-57 | L183017 | Total/NA | Solid | 3050B | |
| 280-100940-58 | L283017 | Total/NA | Solid | 3050B | |
| 280-100940-59 | BL183017 | Total/NA | Solid | 3050B | |
| 280-100940-60 | BL283017 | Total/NA | Solid | 3050B | |
| 280-100940-61 | BL383017 | Total/NA | Solid | 3050B | |
| 280-100940-62 | BL483017 | Total/NA | Solid | 3050B | |
| 280-100940-63 | BL583017 | Total/NA | Solid | 3050B | |
| 280-100940-64 | BL683017 | Total/NA | Solid | 3050B | |
| MB 280-387083/1-A | Method Blank | Total/NA | Solid | 3050B | |
| LCS 280-387083/2-A | Lab Control Sample | Total/NA | Solid | 3050B | |
| LCSD 280-387083/3-A | Lab Control Sample Dup | Total/NA | Solid | 3050B | |

Prep Batch: 387084

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 280-100940-8 | L182817 | Total/NA | Solid | 3050B | |
| 280-100940-9 | L282817 | Total/NA | Solid | 3050B | |
| 280-100940-10 | L382817 | Total/NA | Solid | 3050B | |
| 280-100940-11 | L482817 | Total/NA | Solid | 3050B | |
| 280-100940-12 | L582817 | Total/NA | Solid | 3050B | |
| 280-100940-13 | L682817 | Total/NA | Solid | 3050B | |
| 280-100940-14 | L782817 | Total/NA | Solid | 3050B | |
| 280-100940-33 | L182917 | Total/NA | Solid | 3050B | |
| 280-100940-34 | L282917 | Total/NA | Solid | 3050B | |
| 280-100940-35 | L382917 | Total/NA | Solid | 3050B | |
| 280-100940-36 | L482917 | Total/NA | Solid | 3050B | |
| 280-100940-37 | L582917 | Total/NA | Solid | 3050B | |
| 280-100940-38 | L682917 | Total/NA | Solid | 3050B | |
| MB 280-387084/1-A | Method Blank | Total/NA | Solid | 3050B | |
| LCS 280-387084/2-A | Lab Control Sample | Total/NA | Solid | 3050B | |
| LCSD 280-387084/3-A | Lab Control Sample Dup | Total/NA | Solid | 3050B | |

Analysis Batch: 387317

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 280-100940-8 | L182817 | Total/NA | Solid | 6010C | 387084 |
| 280-100940-9 | L282817 | Total/NA | Solid | 6010C | 387084 |
| 280-100940-10 | L382817 | Total/NA | Solid | 6010C | 387084 |
| 280-100940-11 | L482817 | Total/NA | Solid | 6010C | 387084 |
| 280-100940-14 | L782817 | Total/NA | Solid | 6010C | 387084 |
| 280-100940-33 | L182917 | Total/NA | Solid | 6010C | 387084 |
| 280-100940-34 | L282917 | Total/NA | Solid | 6010C | 387084 |
| 280-100940-36 | L482917 | Total/NA | Solid | 6010C | 387084 |
| 280-100940-37 | L582917 | Total/NA | Solid | 6010C | 387084 |
| 280-100940-38 | L682917 | Total/NA | Solid | 6010C | 387084 |
| 280-100940-40 | L882917 | Total/NA | Solid | 6010C | 387083 |
| 280-100940-41 | L982917 | Total/NA | Solid | 6010C | 387083 |
| 280-100940-42 | L1082917 | Total/NA | Solid | 6010C | 387083 |

TestAmerica Denver

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QC Association Summary

Client: Trihydro Corporation

Project/Site: Questa Pipeline - Lead and Asbestos

TestAmerica Job ID: 280-100940-1

Metals (Continued)

Analysis Batch: 387317 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 280-100940-43 | L1182917 | Total/NA | Solid | 6010C | 387083 |
| 280-100940-57 | L183017 | Total/NA | Solid | 6010C | 387083 |
| MB 280-387083/1-A | Method Blank | Total/NA | Solid | 6010C | 387083 |
| MB 280-387084/1-A | Method Blank | Total/NA | Solid | 6010C | 387084 |
| LCS 280-387083/2-A | Lab Control Sample | Total/NA | Solid | 6010C | 387083 |
| LCS 280-387084/2-A | Lab Control Sample | Total/NA | Solid | 6010C | 387084 |
| LCSD 280-387083/3-A | Lab Control Sample Dup | Total/NA | Solid | 6010C | 387083 |
| LCSD 280-387084/3-A | Lab Control Sample Dup | Total/NA | Solid | 6010C | 387084 |

Analysis Batch: 387473

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 280-100940-12 | L582817 | Total/NA | Solid | 6010C | 387084 |
| 280-100940-13 | L682817 | Total/NA | Solid | 6010C | 387084 |
| 280-100940-35 | L382917 | Total/NA | Solid | 6010C | 387084 |
| 280-100940-58 | L283017 | Total/NA | Solid | 6010C | 387083 |
| 280-100940-59 | BL183017 | Total/NA | Solid | 6010C | 387083 |
| 280-100940-60 | BL283017 | Total/NA | Solid | 6010C | 387083 |
| 280-100940-61 | BL383017 | Total/NA | Solid | 6010C | 387083 |
| 280-100940-62 | BL483017 | Total/NA | Solid | 6010C | 387083 |
| 280-100940-63 | BL583017 | Total/NA | Solid | 6010C | 387083 |
| 280-100940-64 | BL683017 | Total/NA | Solid | 6010C | 387083 |

Analysis Batch: 387616

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 280-100940-39 | L782917 | Total/NA | Solid | 6010C | 387083 |

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TestAmerica Job ID: 280-100940-1

Prep Batch: 387083

Prep Batch: 387084

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%Rec.

Client: Trihydro Corporation Project/Site: Questa Pipeline - Lead and Asbestos

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 280-387083/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 387317

MB MB

Analyte Result Qualifier RL **MDL** Unit Analyzed Dil Fac **Prepared** 0.90 09/11/17 13:30 09/12/17 03:33 Lead $\overline{\mathsf{ND}}$ 0.31 mg/Kg

Lab Sample ID: LCS 280-387083/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 387317 Prep Batch: 387083**

Spike LCS LCS

Added Limits Analyte Result Qualifier Unit D %Rec 86 - 110 Lead 50.0 50.2 mg/Kg 100

Lab Sample ID: LCSD 280-387083/3-A Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 387317

Prep Batch: 387083 Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec Lead 50.0 50.4 mg/Kg 101 86 - 110

Client Sample ID: Method Blank Lab Sample ID: MB 280-387084/1-A Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 387317

MR MR

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Lead $\overline{\mathsf{ND}}$ 0.90 0.31 mg/Kg 09/11/17 13:30 09/12/17 02:25

Lab Sample ID: LCS 280-387084/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 387317 Prep Batch: 387084 Spike LCS LCS %Rec.

Added Analyte Result Qualifier Unit D %Rec Limits 50.0 50.7 86 - 110 Lead mg/Kg 101

Lab Sample ID: LCSD 280-387084/3-A Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA **Matrix: Solid**

Prep Batch: 387084 Analysis Batch: 387317 Spike LCSD LCSD %Rec. **RPD**

Added Result Qualifier Unit Limits Limit Analyte D %Rec **RPD** 50.0 49.9 Lead mg/Kg 100 86 - 110 20

Client: Trihydro Corporation

Project/Site: Questa Pipeline - Lead and Asbestos

TestAmerica Job ID: 280-100940-1

Client Sample ID: L182817 Lab Sample ID: 280-100940-8

Date Collected: 08/28/17 13:15 Matrix: Solid Date Received: 09/07/17 09:15

Batch Dil Initial Batch Batch Final Prepared Method Factor Amount Number **Prep Type** Type Run Amount or Analyzed Analyst Lab Total/NA Prep 3050B 1.165 g 100 mL 387084 09/11/17 13:30 SEJ TAL DEN Total/NA Analysis 6010C 387317 09/12/17 02:35 CML TAL DEN 1

Client Sample ID: L282817 Lab Sample ID: 280-100940-9

Date Collected: 08/28/17 13:54 **Matrix: Solid**

Date Received: 09/07/17 09:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|---------------|-----------------|-----|---------------|-------------------|-----------------|-----------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 1.371 g | 100 mL | 387084 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 1 | | | 387317 | 09/12/17 02:37 | CML | TAL DEN |

Client Sample ID: L382817 Lab Sample ID: 280-100940-10 **Matrix: Solid**

Date Collected: 08/28/17 14:20 Date Received: 09/07/17 09:15

Dil Initial Batch Batch Final Batch Prepared **Prep Type** Type Method Run **Factor Amount** Amount Number or Analyzed **Analyst** Lab Total/NA Prep 3050B 1.193 g 100 mL 387084 09/11/17 13:30 SEJ TAL DEN Total/NA Analysis 6010C 387317 09/12/17 02:40 CML TAL DEN 1

Client Sample ID: L482817 Lab Sample ID: 280-100940-11

Date Collected: 08/28/17 14:40 **Matrix: Solid**

Date Received: 09/07/17 09:15

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 1.101 g | 100 mL | 387084 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 1 | | | 387317 | 09/12/17 02:42 | CML | TAL DEN |

Client Sample ID: L582817 Lab Sample ID: 280-100940-12 Matrix: Solid

Date Collected: 08/28/17 14:50

Date Received: 09/07/17 09:15

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 1.096 g | 100 mL | 387084 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 5 | | | 387473 | 09/13/17 07:21 | CRR | TAL DEN |

Client Sample ID: L682817 Lab Sample ID: 280-100940-13

Date Collected: 08/28/17 15:35

Date Received: 09/07/17 09:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|---------------|-----------------|-----|---------------|-------------------|-----------------|-----------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 1.491 g | 100 mL | 387084 | 09/11/17 13:30 | | TAL DEN |
| Total/NA | Analysis | 6010C | | 2 | | | 387473 | 09/13/17 07:24 | CRR | TAL DEN |

Matrix: Solid

Client: Trihydro Corporation

Project/Site: Questa Pipeline - Lead and Asbestos

TestAmerica Job ID: 280-100940-1

Client Sample ID: L782817

Date Collected: 08/28/17 16:15 Date Received: 09/07/17 09:15 Lab Sample ID: 280-100940-14

Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 1.078 g | 100 mL | 387084 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 1 | | | 387317 | 09/12/17 03:00 | CML | TAL DEN |

Client Sample ID: L182917 Lab Sample ID: 280-100940-33

Date Collected: 08/29/17 08:35
Date Received: 09/07/17 09:15

Matrix: Solid

Dil Batch Batch Initial Final **Batch** Prepared **Prep Type** Type Method Run **Factor Amount Amount** Number or Analyzed **Analyst** Lab Total/NA Prep 3050B 1.226 q 100 mL 387084 09/11/17 13:30 SEJ TAL DEN Total/NA Analysis 6010C 387317 09/12/17 03:03 CML TAL DEN 1

Client Sample ID: L282917 Lab Sample ID: 280-100940-34

Date Collected: 08/29/17 09:10 Eas Campio 15: 255 165545 54

Date Received: 09/07/17 09:10 Matrix: Solid

Dil Initial Batch Batch Batch Final Prepared Method **Prep Type** Type Run **Factor Amount** Amount Number or Analyzed **Analyst** Lab Total/NA 3050B 1.033 g 100 mL 387084 09/11/17 13:30 SEJ TAL DEN Prep Total/NA Analysis 6010C 387317 09/12/17 03:05 CML TAL DEN 1

Client Sample ID: L382917 Lab Sample ID: 280-100940-35

Date Collected: 08/29/17 09:45 Date Received: 09/07/17 09:15 Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared **Prep Type** Type Method Run **Factor** Amount Amount Number or Analyzed **Analyst** Lab Total/NA Prep 3050B 1.171 g 100 mL 387084 09/11/17 13:30 SEJ TAL DEN Total/NA Analysis 6010C 2 387473 09/13/17 07:44 CRR TAL DEN

Client Sample ID: L482917 Lab Sample ID: 280-100940-36

Date Collected: 08/29/17 10:05 Matrix: Solid

Date Received: 09/07/17 09:15

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 1.227 g | 100 mL | 387084 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 1 | | | 387317 | 09/12/17 03:10 | CML | TAL DEN |

Client Sample ID: L582917 Lab Sample ID: 280-100940-37

Date Collected: 08/29/17 10:25 Matrix: Solid

Date Received: 09/07/17 09:15

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 1.134 g | 100 mL | 387084 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 1 | | | 387317 | 09/12/17 03:12 | CML | TAL DEN |

TestAmerica Denver

Client: Trihydro Corporation

Project/Site: Questa Pipeline - Lead and Asbestos

TestAmerica Job ID: 280-100940-1

Client Sample ID: L682917

Date Collected: 08/29/17 11:05 Date Received: 09/07/17 09:15

Lab Sample ID: 280-100940-38

Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 1.164 g | 100 mL | 387084 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 1 | | | 387317 | 09/12/17 03:15 | CML | TAL DEN |

Lab Sample ID: 280-100940-39 Client Sample ID: L782917

Date Collected: 08/29/17 11:40

Date Received: 09/07/17 09:15

Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 1.049 g | 100 mL | 387083 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 5 | | | 387616 | 09/13/17 14:37 | CML | TAL DEN |

Client Sample ID: L882917 Lab Sample ID: 280-100940-40 **Matrix: Solid**

Date Collected: 08/29/17 11:55

Date Received: 09/07/17 09:15

| _ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 1.044 g | 100 mL | 387083 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 1 | | | 387317 | 09/12/17 03:43 | CML | TAL DEN |

Lab Sample ID: 280-100940-41 Client Sample ID: L982917 **Matrix: Solid**

Date Collected: 08/29/17 12:30

Date Received: 09/07/17 09:15

| Γ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 1.160 g | 100 mL | 387083 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 1 | | | 387317 | 09/12/17 03:45 | CML | TAL DEN |

Lab Sample ID: 280-100940-42 Client Sample ID: L1082917

Date Collected: 08/29/17 15:10

Date Received: 09/07/17 09:15

| _ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 1.257 g | 100 mL | 387083 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 1 | | | 387317 | 09/12/17 03:48 | CML | TAL DEN |

Lab Sample ID: 280-100940-43 Client Sample ID: L1182917

Date Collected: 08/29/17 16:40

Date Received: 09/07/17 09:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|---------------|-----------------|-----|---------------|-------------------|-----------------|-----------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 0.825 g | 100 mL | 387083 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 1 | | | 387317 | 09/12/17 03:50 | CML | TAL DEN |

TestAmerica Denver

Matrix: Solid

Matrix: Solid

Client: Trihydro Corporation

Project/Site: Questa Pipeline - Lead and Asbestos

TestAmerica Job ID: 280-100940-1

Client Sample ID: L183017

Date Collected: 08/30/17 09:40 Date Received: 09/07/17 09:15

Lab Sample ID: 280-100940-57

Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 0.905 g | 100 mL | 387083 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 1 | | | 387317 | 09/12/17 03:53 | CML | TAL DEN |

Lab Sample ID: 280-100940-58 Client Sample ID: L283017

Date Collected: 08/30/17 11:10 **Matrix: Solid**

Date Received: 09/07/17 09:15

| _ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 0.901 g | 100 mL | 387083 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 5 | | | 387473 | 09/13/17 06:16 | CRR | TAL DEN |

Client Sample ID: BL183017 Lab Sample ID: 280-100940-59

Date Collected: 08/30/17 11:15 **Matrix: Solid**

Date Received: 09/07/17 09:15

| _ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 0.482 g | 50 mL | 387083 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 10 | | | 387473 | 09/13/17 06:28 | CRR | TAL DEN |

Client Sample ID: BL283017 Lab Sample ID: 280-100940-60 **Matrix: Solid**

Date Collected: 08/30/17 11:20 Date Received: 09/07/17 09:15

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 0.541 g | 50 mL | 387083 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 10 | | | 387473 | 09/13/17 06:31 | CRR | TAL DEN |

Lab Sample ID: 280-100940-61 Client Sample ID: BL383017

Date Collected: 08/30/17 11:25

Date Received: 09/07/17 09:15

| _ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 0.526 g | 50 mL | 387083 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 5 | | | 387473 | 09/13/17 06:33 | CRR | TAL DEN |

Lab Sample ID: 280-100940-62 Client Sample ID: BL483017

Date Collected: 08/30/17 11:30

Date Received: 09/07/17 09:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|---------------|-----------------|-----|---------------|-------------------|-----------------|-----------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 0.588 g | 50 mL | 387083 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 20 | | | 387473 | 09/13/17 08:09 | CRR | TAL DEN |

TestAmerica Denver

Matrix: Solid

Matrix: Solid

Client: Trihydro Corporation

Client Sample ID: BL583017

Project/Site: Questa Pipeline - Lead and Asbestos

TestAmerica Job ID: 280-100940-1

Lab Sample ID: 280-100940-63

Date Collected: 08/30/17 11:40 Matrix: Solid

Date Collected: 08/30/17 11:40 Matrix: Solid Date Received: 09/07/17 09:15

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3050B | | | 0.814 g | 100 mL | 387083 | 09/11/17 13:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010C | | 5 | | | 387473 | 09/13/17 06:38 | CRR | TAL DEN |

Client Sample ID: BL683017 Lab Sample ID: 280-100940-64

ote Cellected, 00/20/47 44.50

Date Collected: 08/30/17 11:50 Matrix: Solid
Date Received: 09/07/17 09:15

Dil Initial Batch Batch **Batch** Final Prepared **Prep Type** Type Method Run **Factor Amount A**mount Number or Analyzed Analyst Lab 0.402 g Total/NA Prep 3050B 50 mL 387083 09/11/17 13:30 SEJ TAL DEN Total/NA Analysis 6010C 5 387473 09/13/17 06:46 CRR TAL DEN

Laboratory References:

= EMLab P&K - Denver, 4955 Yarrow Street, Arvada, CO 80002

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

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Report for:

Donna Rydberg TestAmerica-Denver 4955 Yarrow Street Arvada, CO 80002

Regarding: Project: 280-100940-1; Questa Pipeline- Lead and Asbestos

EMĹ ID: 1790994

Approved by:

Dates of Analysis: Asbestos PLM: 09-19-2017

Approved Signatory Noah Lazarte

Service SOPs: Asbestos PLM (EPA Methods 600/R-93/116 & 600/M4-82-020, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Denver C/O: Donna Rydberg

Re: 280-100940-1; Questa Pipeline- Lead and

Asbestos

Date of Sampling: 08-28-2017 Date of Receipt: 09-08-2017 Date of Report: 09-19-2017

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted: 47

Total Samples Analyzed: 47

Lab ID-Version 1: 8373424-1

Lab ID-Version 1: 8373425-1

Lab ID-Version 1: 8373426-1

Lab ID-Version 1: 8373427-1

Total Samples with Layer Asbestos Content > 1%: 4

Location: 280-100940-1, A182817

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Gray Compound | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-2, A282817

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Brown Compound | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-3, A382817

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Brown Compound | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-4, A482817

| | • |
|-------------------------------|------------------|
| Sample Layers | Asbestos Content |
| Brown Compound | ND |
| Sample Composite Homogeneity: | Good |

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

 \ddagger A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K, LLC

EMLab ID: 1790994, Page 2 of 13

Lab ID-Version 1: 8373430-1

4955 Yarrow Street, Arvada, CO 80002

(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Denver C/O: Donna Rydberg

Re: 280-100940-1; Questa Pipeline- Lead and

Asbestos

Date of Sampling: 08-28-2017 Date of Receipt: 09-08-2017 Date of Report: 09-19-2017

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 280-100940-5, A582817 Lab ID-Version 1: 8373428-1

| | • |
|-------------------------------|------------------|
| Sample Layers | Asbestos Content |
| Red Non-Fibrous Material | ND |
| Sample Composite Homogeneity: | Good |

| Location: 280-100940-6, A682817 | Lab ID-Version‡: 8373429-1 |
|---------------------------------|----------------------------|
| Sample Layers | Asbestos Content |
| Gray Compound | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-7, A782817

| 20040000 200 100 10 7,11702017 | • |
|--------------------------------|------------------|
| Sample Layers | Asbestos Content |
| Brown Compound | ND |
| Sample Composite Homogeneity: | Good |

| Location: 280-100940-15, INS182817 | Lab ID-Version‡: 8373431-1 |
|------------------------------------|----------------------------|
| Sample Layers | Asbestos Content |
| Yellow Insulation | ND |
| Composite Non-Asbestos Content: | 90% Glass Fibers |
| _ | 7% Cellulose |
| Sample Composite Homogeneity: | Good |

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K, LLC

(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Denver C/O: Donna Rydberg

Re: 280-100940-1; Questa Pipeline- Lead and

Asbestos

Date of Sampling: 08-28-2017 Date of Receipt: 09-08-2017 Date of Report: 09-19-2017

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 280-100940-16, INS282817Lab ID-Version‡: 8373432-1

| Sample Layers | Asbestos Content |
|---------------------------------|------------------|
| Yellow Insulation | ND |
| Composite Non-Asbestos Content: | 95% Glass Fibers |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-17, PL182817

Lab ID-Version‡: 8373433-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Brown Non-Fibrous Material | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-18, G182817

Lab ID-Version :: 8373434-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Brown Non-Fibrous Material | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-19, G282817

Lab ID-Version‡: 8373435-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Brown Non-Fibrous Material | ND |
| Sample Composite Homogeneity: | Good |

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

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Lab ID-Version 1: 8373438-1

4955 Yarrow Street, Arvada, CO 80002

(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Denver C/O: Donna Rydberg

Re: 280-100940-1; Questa Pipeline- Lead and

Asbestos

Date of Sampling: 08-28-2017 Date of Receipt: 09-08-2017 Date of Report: 09-19-2017

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 280-100940-20, G382817 Lab ID-Version 1: 8373436-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Brown Non-Fibrous Material | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-21, G482817

Lab ID-Version 1: 8373437-1 Sample Layers **Asbestos Content** Brown Non-Fibrous Material ND Sample Composite Homogeneity: Good

Location: 280-100940-22, A182817

Sample Layers **Asbestos Content Brown Compound** ND **Sample Composite Homogeneity:** Good

| Location: 280-100940-23, A282817 | Lab ID-Version‡: 8373439-1 |
|----------------------------------|----------------------------|
| Sample Layers | Asbestos Content |
| Brown Compound | ND |
| Sample Composite Homogeneity: | Good |

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K, LLC

EMLab ID: 1790994, Page 5 of 13

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Client: TestAmerica-Denver C/O: Donna Rydberg

Re: 280-100940-1; Questa Pipeline- Lead and

Asbestos

Date of Sampling: 08-28-2017 Date of Receipt: 09-08-2017 Date of Report: 09-19-2017

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 280-100940-24, A382817Lab ID-Version‡: 8373440-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Gray Compound | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-25, A482817Lab ID-Version‡: 8373441-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Brown Compound | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-26, A582817Lab ID-Version‡: 8373442-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Brown Compound | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-27, A682817Lab ID-Version‡: 8373443-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Gray Compound | ND |
| Sample Composite Homogeneity: | Good |

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EMLab P&K, LLC EMLab ID: 1790994, Page 6 of 13

(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Denver C/O: Donna Rydberg

Re: 280-100940-1; Questa Pipeline- Lead and

Asbestos

Date of Sampling: 08-28-2017 Date of Receipt: 09-08-2017 Date of Report: 09-19-2017

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 280-100940-28, A782817Lab ID-Version‡: 8373444-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Gray Compound | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-29, A882817Lab ID-Version‡: 8373445-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Brown Compound | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-30, A982817Lab ID-Version‡: 8373446-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Gray Compound | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-31, A1082817Lab ID-Version‡: 8373447-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Brown Compound | ND |
| Sample Composite Homogeneity: | Good |

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EMLab P&K, LLC EMLab ID: 1790994, Page 7 of 13

(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Denver C/O: Donna Rydberg

Re: 280-100940-1; Questa Pipeline- Lead and

Asbestos

Date of Sampling: 08-28-2017 Date of Receipt: 09-08-2017 Date of Report: 09-19-2017

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 280-100940-32, A1182817Lab ID-Version‡: 8373448-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Brown Compound | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-44, G182917

Lab ID-Version‡: 8373449-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Brown Non-Fibrous Material | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-45, G282917

Lab ID-Version 1: 8373450-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Brown Non-Fibrous Material | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-46, G382917

Lab ID-Version‡: 8373451-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Brown Non-Fibrous Material | ND |
| Sample Composite Homogeneity: | Good |

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Lab ID-Version 1: 8373454-1

4955 Yarrow Street, Arvada, CO 80002

(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Denver C/O: Donna Rydberg

Re: 280-100940-1; Questa Pipeline- Lead and

Asbestos

Date of Sampling: 08-28-2017 Date of Receipt: 09-08-2017 Date of Report: 09-19-2017

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 280-100940-47, G482917 Lab ID-Version 1: 8373452-1

| 20000000 200 200 10 11, 0 1025 21 | • |
|-----------------------------------|------------------|
| Sample Layers | Asbestos Content |
| Brown Non-Fibrous Material | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-48, PL182917

Lab ID-Version 1: 8373453-1 Sample Layers **Asbestos Content** Brown Non-Fibrous Material ND Sample Composite Homogeneity: Good

Location: 280-100940-49, A183017

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Gray Compound | ND |
| Sample Composite Homogeneity: | Good |

| Location: 280-100940-50, A283017 | Lab ID-Version‡: 8373455-1 |
|------------------------------------|----------------------------|
| Sample Layers | Asbestos Content |
| Red Non-Fibrous Material | ND |
| Sample Composite Homogeneity: Good | |

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EMLab ID: 1790994, Page 9 of 13

Lab ID-Version 1: 8373458-1

Lab ID-Version 1: 8373459-1

4955 Yarrow Street, Arvada, CO 80002

(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Denver C/O: Donna Rydberg

Re: 280-100940-1; Questa Pipeline- Lead and

Asbestos

Date of Sampling: 08-28-2017 Date of Receipt: 09-08-2017 Date of Report: 09-19-2017

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 280-100940-51, BA183017 Lab ID-Version 1: 8373456-1

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|---|---------------------------------------|
| Sample Layers | Asbestos Content |
| Brown/Black Non-Fibrous Material with Paint | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-52, BA283017

Lab ID-Version 1: 8373457-1 Sample Layers **Asbestos Content** Brown/Black Non-Fibrous Material with Paint ND Sample Composite Homogeneity: Good

Location: 280-100940-53, BA383017

| 200000000000000000000000000000000000000 | |
|---|------------------|
| Sample Layers | Asbestos Content |
| Brown/Black Non-Fibrous Material with Paint | ND |
| Sample Composite Homogeneity | Good |

Location: 280-100940-54, BA483017

| Sample Layers | Asbestos Content |
|---|------------------|
| Brown/Black Non-Fibrous Material with Paint | ND |
| Sample Composite Homogeneity: | Good |

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EMLab ID: 1790994, Page 10 of 13

Lab ID-Version 1: 8373462-1

4955 Yarrow Street, Arvada, CO 80002

(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Denver C/O: Donna Rydberg

Re: 280-100940-1; Questa Pipeline- Lead and

Asbestos

Date of Sampling: 08-28-2017 Date of Receipt: 09-08-2017 Date of Report: 09-19-2017

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 280-100940-55, BA583017 Lab ID-Version :: 8373460-1

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Yellow Coating | ND |
| Sample Composite Homogeneity: | Good |

| Location: 280-100940-56, BA683017 | Lab ID-Version‡: 8373461-1 |
|-----------------------------------|----------------------------|
| Sample Layers | Asbestos Content |
| Yellow Coating | ND |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-65, INS183017

| Sample Layers | Asbestos Content |
|---------------------------------|------------------|
| Multicolored Insulation | ND |
| Composite Non-Asbestos Content: | 95% Glass Fibers |
| Sample Composite Homogeneity: | Good |

| Location: 280-100940-66, INS283017 | Lab ID-Version‡: 8373463-1 |
|------------------------------------|----------------------------|
| Sample Layers | Asbestos Content |
| Yellow Insulation | ND |
| Composite Non-Asbestos Content: | 95% Glass Fibers |
| Sample Composite Homogeneity: | Good |

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EMLab ID: 1790994, Page 11 of 13

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Client: TestAmerica-Denver C/O: Donna Rydberg

Re: 280-100940-1; Questa Pipeline- Lead and

Asbestos

Date of Sampling: 08-28-2017 Date of Receipt: 09-08-2017 Date of Report: 09-19-2017

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 280-100940-67, VG183017Lab ID-Version‡: 8373464-1

| Sample Layers | Asbestos Content |
|--|------------------|
| Black Non-Fibrous Material | ND |
| Composite Non-Asbestos Content: | 3% Glass Fibers |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-68, VG283017

Lab ID-Version‡: 8373465-1

| Sample Layers | Asbestos Content |
|---------------------------------|------------------|
| Black Non-Fibrous Material | ND |
| Composite Non-Asbestos Content: | 3% Glass Fibers |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-69, VG383017

Lab ID-Version :: 8373466-1

| Sample Layers | Asbestos Content |
|--|------------------|
| Black Non-Fibrous Material | ND |
| Composite Non-Asbestos Content: | 3% Glass Fibers |
| Sample Composite Homogeneity: | Good |

Location: 280-100940-70, PW183017

Lab ID-Version‡: 8373467-1

| Sample Layers | Asbestos Content |
|---------------------------------|------------------|
| Gray Felt | 40% Chrysotile |
| Black Tar | ND |
| Composite Non-Asbestos Content: | 20% Cellulose |
| Sample Composite Homogeneity: | Moderate |

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(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Denver C/O: Donna Rydberg

Re: 280-100940-1; Questa Pipeline- Lead and

Asbestos

Date of Sampling: 08-28-2017 Date of Receipt: 09-08-2017 Date of Report: 09-19-2017

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 280-100940-71, PW283017Lab ID-Version‡: 8373468-1

| Sample Layers | Asbestos Content |
|---------------------------------|------------------|
| Gray Felt | 50% Chrysotile |
| Black Tar | ND |
| Composite Non-Asbestos Content: | 15% Cellulose |
| Sample Composite Homogeneity: | Moderate |

Location: 280-100940-72, PW383017

Lab ID-Version‡: 8373469-1

| Sample Layers | Asbestos Content |
|---------------------------------|------------------|
| Gray Felt | 40% Chrysotile |
| Black Tar | ND |
| Composite Non-Asbestos Content: | 20% Cellulose |
| Sample Composite Homogeneity: | Moderate |

Location: 280-100940-73, PW483017

Lab ID-Version‡: 8373470-1

| Sample Layers | Asbestos Content |
|---------------------------------|------------------|
| Gray Felt | 50% Chrysotile |
| Black Tar | ND |
| Composite Non-Asbestos Content: | 15% Cellulose |
| Sample Composite Homogeneity: | Moderate |

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EMLab P&K, LLC

EMLab ID: 1790994, Page 13 of 13

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| | *** | | | _ | × | Salid | 15:40 Mountain | 8/30/17 No. | | 1-73) | PW483017 (280-100940-73) |
| | | | _ | | × | Solid | | 8/30/17 Moi | | 1-72) | PW883017 (280-100940-72) |
| | | | | | X | Sept the powers as | ************************************** | | ************************************** | | |
| instructions/Note: | Soori la | | | ray er) ji Asbest | ž Ficiki Roleies Patrofes Misi SVB (Asbesto larer) (Asbest | Motrix (Wante | | | <u> </u> | Client (D (Lab ID) | Sampio identification - |
| | Other: | _ _ | | os - P_ | CB (| | | SSOWIRE | 135 | | Sta: |
| 7r - 5M 4-6 Z - other (specify) | | _ | | u by E | 98.94 | | | Projectió: 28017197 | 28(| and Asbeetos | Project Name: Questa Pipeline - Lead and Asbeetos |
| | | | 70774 | | Net | | | Ħ. | wo as | | EMPI: |
| | G - AnieNor | | | | | | | 36 | 190% | | Phone: |
| D-N62045 | D-NMc Add | - - - | יייייייייייייייייייייייייייייייייייייי | <u> </u> | 6 (pric | | | | | | State, Zp: CO, 80002 |
| N-Nanbo | C - Zn Acalolo | | | TC . | e per | | | TAT Requested (days); | | | Arvada |
| Codes: | Preservation Codes: | ed | Analysis Requested | Þ | _ | | | 9/19/2017 | 9/1 | • | 4955 Yarrow Street, |
| <u>-</u> | 280-100940-1 | | oe nota); | 1 28 | NELAP - Oregon | | | | | | EMLab P&K |
| | Poge 6 of 6 | State of Origin: Colorade | | eMali; denna.rydborg@fostamerkcalnc.com | nna.ryďborg | do | | TR | Pigner | | Shipping/Receiving |
| | 280-411382.6 | Corrier Fracking No(a): | Carlor | 70 70 | Rydberg, Donna R | 表色 | | Samplen | | Cilent Information (Sub Contract Lab) | Cilent Information |
| DESIAMENTAL TESTING | HE DENOMAIN IN | | | L | Record | Chain of Custody Record | ain of C | C _{II} | | ax (303) 431-7171 | 4955 Yarrow Street Arvada, CO 80002 Phone (303) 736-0100 Fax (303) 431-7171 |
| • | ŧ | | | | | | | | | ПУӨГ | TestAmerica Denver |

| Control Horizontal Control Hor | TestAmerica Denver 4955 Yarrow Street Arvada, CO 80002 Phone (303) 736-0100 Fax (303) 431-7171 | Chain of Custo | of Custody Record | TestAmerica |
|--|--|----------------------------------|---|--|
| | Client Information | Sampler | Lab PM: Rydberg, Donna R | |
| Corporation | Client Contact. Tony Kupilik | 7 | E-Mall: donna.rydberg@testamericainc.com | Page: Page 1 of 1 |
| To Day T | Company: Trihydro Corporation | | Analysis | |
| 10 DAY | Address: 1252 Commerce Drive | Due Date Requested: | | Preservation Code |
| 10 DAY | City: Laramie | TAT Requested (days): | | |
| Comparison | State, Zip: WY, 82070 | 10 DAY | | |
| 17 | Phone; | PO#: Purchase Order Requested | | |
| Septiment Designed Sample Date Sample Sample Sample Sample Sample Sample Sample Sample Sample Carbon Sample Carbon Sample Carbon Sample Carbon Sample Carbon Sample | Email: [kupjlik@trihydro.com | 252WO | (ON | J - Di Water |
| Sample Date | Project Name: Questa Pipeline - Lead and Asbestos | 37 | Yes or | L-EDA |
| Sample Date Sample Watrix Sample Cappean Cap | olta: | :::OOOM::: |) asv | |
| | Samula Idontification | Sample Type Sample (C=comp, | ield Filtered Netform MS/N | |
| ### Setz8(17 13155 G S X B Second Interest of Secon | Odinje identification | Preserva | X | |
| 8/28/17 1354 G S X | A182817 | 1315 | | |
| 8/28/17 1410 G S X | | 1354 | | |
| 8/28/17 1440 G S X 280-100940 Chain of Custody 8/28/17 1570 G S X 280-100940 Chain of Custody 8/28/17 1575 G S X 280-100940 Chain of Custody 8/28/17 1575 G S X 280-100940 Chain of Custody 8/28/17 1575 G S X 280-100940 Chain of Custody 8/28/17 1575 G S X 280-100940 Chain of Custody 9/28/17 1575 G S X S S 1575 Date/Time Date/Time Date/Time Date/Time 1576 Date/Time Dat | | 1420 | | |
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| | 58 | 1570 | | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 respective for the poison B to Unknown Rediological Special Instructions/QC Requirements: Date: | A682817 | 1535 | × | 0940 Chain of Custody |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 is an interpretation of Shipment: Date: Date: Company Received by: Date: Da | A782817 | 1615 | × | - |
| Date: Date: Date: Date: Date: Date: DateTime: ateTime: DateTime: DateTime: DateTime: DateTime: DateTime: DateTime: DateTime: DateTime: DateTime: DateTime: DateTime: Date | / | | | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 r. Section 1 Special Instructions/QC Requirements: LEYEL 11 Date/Time: Date/Time: Date/Time: Date/Time: Date/Time: Date/Time: Cooler Temperature(s) "Cand Other Bemarks: Cooler Temperature(s) "Cand Ot | | / | | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 in Received by: Date: Time: Time: Received by: DaterTime: DaterTime: Company Received by: DaterTime: DaterTime: Company Received by: DaterTime: DaterTime: Company Received by: DaterTime: Da | | | | |
| Date/Time: Date/Date/Date/Date/Date/Date/Date/Date/ | | | | |
| Date: Date: DateTime: DateTime | Possible Hazard Identification Non-Hazard Flammable Skin Irritant | Poison B Unknown | Sample Disposal (A fee may | De assessed if samples are retained longer than 1 month) **Disposal By Lab** Archive For Months |
| Date/Time; Date: Time; Time; Method of Shipment. Date/Time; Date/Time | Deliverable Requested: I, II, III, IV, Other (specify) | 11 272 | Special Instructions/QC Requir | |
| Custody Seal No.: Date/Time; Company Received by: Date/Time; Date/Time; Company Received by: Date/Time; Date/Time; Date/Time; Date/Time; Date/Time; Date/Time; Company Received by: Coupany Received by: Date/Time; | Empty Kit Relinquished by: | Date: | Time: | |
| Costody Seal No.: Date/Time: Company Received by: Cooler Temperature(s) "C and Other Bemarks: | Relinquished by: | 19 (1500 | (Receiv | 17 0955 |
| als Intact: Custody Seal No.: Date/Time: Contrant Con | Reinquished by: | | | |
| Custody Seal No.: Cooler Temperature(s) "C and Other Bernaries by 3r 9 | | | Received by: | Date/Time; |
| | | | Temperature(s) | read by 3r 91 |
| | | | 1 1 | |

N - None
O - ANADOZ
P - NaZO4S
Q - NaZSO3
R - NaZS203
S - HZSO4
U - Acetone
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify) **TestAmerica** Sompany Special Instructions/Note: Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mont
Special Instructions/QC Requirements: 280-67249-22759.1 Preservation Codes G - Amchlor H - Ascorbic Acid 0360 C - Zn Acetate D - Nitric Acid Page 1 of 1 Job #: E - NaHSO4 F - MeOH I - Ice J - DI Water K-EDTA L-EDA Total Number of containers Date/Time: Method of Shipment Carrier Tracking No(s) Analysis Requested Cooler Temperature(s) "C and Other Remarks E-Mall: donna.rydberg@testamericainc.com Received by: Lab PM: Rydberg, Donna R × QA3 × Chain of Custody Record (on to sey) GSM/SM miorie ield Filtered Sample (Yes or No) Preservation Code: Matrix 5 5 SO S 5 Po#: 17 - 252 WO - L Purchase Order Requested Radiological フィフィ Type (C=comp, G=grab) Sample 5 11-252 WO-L 9 J J J J 9/6/17@ 1500 Date/Time 16151 1450 1535 8/28/17 1440 8/28/17/1420 745-Sample 8128/17 1315 8128/17 1354 10 DAYS Date: KUPILIK Poison B Unknown (AT Requested (days): Due Date Requested: Sample Date 8/28/17 11/82/8 8/28/17 (307) L EVEL 11 Project #: 28017197 Date/Time: SOW#: Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No. Phone (303) 736-0100 Fax (303) 431-7171 Questa Pipeline - Lead and Asbestos Non-Hazard Flammable Possible Hazard Identification 182817 Empty Kit Relinquished by: 8281 281 T. KUPILIK 38281 8281 Custody Seals Intact:
A Yes A No 28281 18281 Sample Identification Client Information Address: 1252 Commerce Drive lkupilik@trihydro.com Company: Trihydro Corporation Arvada, CO 80002 ω telinquished by: 10 **Tony Kupilik** 9 State, Zip: WY, 82070 aramie.

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4955 Yarrow Street

13

N - None
O - AsNa02
P - Na2045
Q - Na2045
Q - Na2523
R - Na2523
R - Na2523
V - WGAA
W - pH 4-5
Z - other (specify) **TestAmerica** Special Instructions/Note: ompany Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mont Special Instructions/QC Requirements: Preservation Codes G - Amchlor H - Ascorbic Acid A - HCL B - NaOH C - Zn Acetate D - Nitric Acid Page: Page 1 of 1 E - NaHSO4 F - MeOH I - Ice J - DI Water K-EDTA L-EDA Total Number of containers Date/Time: Aethod of Shipment. Analysis Requested Cooler Temperature(s) "C and Other Remarks E-Mail: donna.rydberg@testamericainc.com Received by: Lab PM: Rydberg, Donna R SISESTOS Chain of Custody Record Field Filtered Sample (Yes or No) Type (wwwater, Sepold. (C=comp, Owwaster) (G=grab) (BT=Tissue, A=Att) (C=grab) Preservation Code: Matrix Company Radiological Sample 17252W0-L (307) 745-7474 J 9/6/17 (8) 1500 Bate/Time: 0201 0151 1155 8129117 0835 1005 1025 0945 230 0150 Sample 1105 140 10 DAY Date: Deison B Unknown RUPILI K TAT Requested (days): Due Date Requested: Sample Date Project #: 28017197 Date/Time: :#MOS LEVEL Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No. コイント ーストレ Phone (303) 736-0100 Fax (303) 431-7171 Questa Pipeline - Lead and Asbesfos Flammable Possible Hazard Identification A1182517 7982917 A1082917 Empty Kit Relinquished by: 11528 11628 C1828 L1628 L162 Custody Seals Intact: 4282917 KUPILIK nquished by. 38291 Sample Identification 82917 Client Information 1252 Commerce Drive tkupilik@trihydro.com Company: Trihydro Corporation Arvada, CO 80002 Non-Hazard 4955 Yarrow Street 10E) 80 elinquished by: Tony Kupilik State, Zip: WY, 82070 SE A8 AZ AY A aramie

TestAmerica Denver

N - None
O - Ashaoz
P - NazOds
Q - NazSO3
R - NazS203
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify) **TestAmerica** THE LEADER IN ENVIRONMENTAL TESTING Special Instructions/Note: Company Preservation Codes A - HCL
B - NaOH
C - Zn Acetate
C - Nitric Acid
E - NahSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid Page 1 of 1 J - DI Water K - EDTA L - EDA Total Number of containers ethod of Shipment Analysis Requested Cooler Temperature(s) °C and Other Remarks Special Instructions/QC Requirements Lab PM:
Rydberg, Donna R
E-Mall:
donna.rydberg@testamericainc.com Received by: Q Chain of Custody Record Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No) A moan Preservation Code: (Winwater, Smaothd, Onvestiefolf, Matrix Company Sample
Type
(C=comp,
G=grab) Radiological 17-252W0-L J (307) 745-7474 9/6/17 @ 1500 Date/Time. 1005 1025 1105 1640 230 1510 8/29/17 0835 2490 1155 0150 1140 Sample KUPILIK 10 DAY Date Poison B Unknown TAT Requested (days): Due Date Requested: Sample Date Project #: 28017197 SSOW#: Jate/Time: 2786 Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) Custody Seals Intact: Custody Seal No. Arvada, CO 80002 Phone (303) 736-0100 Fax (303) 431-7171 Questa Pipeline - Lead and Asbestos Non-Hazard Flammable Possible Hazard Identification 11528 716280 582917 Empty Kit Relinquished by: T. KUPILIK 382917 282917 L1628 48291 15289 15288 78291 Sample Identification Client Information 1252 Commerce Drive tkupilik@trihydra.com Company: Trihydro Corporation 4955 Yarrow Street alinquished by: Client Contact: Tony Kupilik State, Zip: WY, 82070 O aramie.

TestAmerica Denver

| i estAmerica Denver | | | TectAn | TectAmerica |
|---|--------------------------------|---|--|--|
| 4955 Yarrow Street Arvada, CO 80002 Phone (303) 736-0100 Eax (303) 431-7171 | Chain of Cust | ain of Custody Record | THE LEADER IN ENVI | THE LEADER IN ENVIRONMENTAL TESTING |
| Client Information | Sampler: Ku Pi Li K | i erg, Donna R | Carrier Tracking No(s): COC No: | |
| Client Contact: Tony Kupilik | Phone (301)745-7474 | E-Mail: donna.rydberg@testamericainc.com | Page: Page 1 of 1 | |
| Company: Trihydro Corporation | | Analysis Requested | | |
| Address; 1252 Commerce Drive | Due Date Requested: | | Cod | 16 |
| Oity: Laramie | TAT Requested (days): | | B NaOH N C - Zn Acetate C | M - Hexane N - None O - AsNaO2 |
| State, Zip: WY, 82070 | 10 047 | | | P - Na204S Q - Na2SO3 |
| Phone: | PO #: | (40 | Poid | R - NaZSZO3 S - HZSO4 T - TSP Dodecahudrate |
| Email: tkupilik@trihydro.com | 1-522 WO-1 | S OF NO | I - Ice J - DI Water | U - Acetone V - MCAA |
| Project Name: Questa Pipeline - Lead and Asbestos | Project #: 28017197 | 10 58 | K-EDIA L-EDA | w - pH 4-5 Z - other (specify) |
| Site: | ssow#. | y) as | oo to Offer | |
| Sample Identification | Sample Type Sample (C=comp. | Matrix (Waveted Serie) (1) Serie) (1) MSM miohed Serie) (1) MSM moohed Serie) (1) | redmuk leto | errosi con Masso. |
| Sample Identification | Preserva | X | | Special instructions/Note: |
| A183017 | 8/34/7 0940 6 | S S | | |
| A283017 | 0111 | | | |
| BA183017 | 1115 | | | |
| 13A283017 | 1120 | | | |
| 134383017 | 1125 | | | |
| 134483017 | 1130 | | | |
| 134583017 | 1140 | | | |
| 134683017 | 105111 | → — — — — — — — — — — — — — — — — — — — | | |
| | / | 1 | | |
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| | , | 1 | | |
| Possible Hazard Identification Non-Hazard Flammable Skin Irritant | Poison B Kunknown Radiological | Sample Disposal (A fee may be assess: Return To Client | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client S Disposal By Lab Archive For Mon | month) Months |
| Deliverable Requested: I, II, III, IV, Other (specify) | L 2486 11 | Special Instructions/QC Requirements: | | |
| Empty Kit Relinquished by: | Date: | 110 11 | | |
| Relinquished by TT KUPILIK Relinquished by | 9/6/17 @ 1500 | Company Received by Company Received by | Date/Time: | Company |
| the management of the state of | Paris Print a | | Date Charles | Contract of the Contract of th |
| | Dater ime: | Company Received by: | Date time: | Company |
| Custody Seals Intact: Custody Seal No.: | | Cooler Temperature(s) °C and Other Remarks. | | |
| | | | | |

| Content Information | l estAmerica Denver 4955 Yarrow Street Arvada, CO 80002 Phone (303) 736-0100 Fax (303) 431-7171 | Chain of Cus | Chain of Custody Record | | TestAmericante restrict THE LEADER IN ENVIRONMENTAL TEST |
|--|--|-----------------------|--|-----------------------------------|--|
| Control Cont | Client Information | _ | Lab PM: Rydberg, Donna R | Carrier Tracking No(s): | |
| Common teacher Comm | Client Contact: Tony Kupilik | 745-747 | E-Mail: donna.rydberg@testamericainc.com | | 1 of 1 |
| Control Cont | Company: Trihydro Corporation | | Analys | sis Requested | Job #; |
| Sample Harmifleation | Address: 1252 Commerce Drive | Due Date Requested: | | | 000 |
| 1 | Olly: Laramie | TAT Requested (days): | | | |
| Sample Identification Sample Date Samp | State, Zip: WY, 82070 | | | | |
| Control Cont | Phone: | | (0 | | 70 |
| Sumple Martin Projective Lead and Atherities Storyer Sumple Date Time Sumple Martin | Email: (kupilik@trihydro.com | 252W0 | | | 1-tce J-DI Water |
| Sample Identification Sample Date Sample Date Sample Date Sample Identification III | Project Name: Questa Pipeline - Lead and Asbestos | | | | K-EDIA L-EDA |
| Sample Carpon Sample Carpon Sample Carpon C | Site: | SSOW#: | A) as | | |
| 1110 | Sample Identification | Sample | Matrix (Wayner, Strong) Strong, Ornerston, O | | |
| 1110 | | X | X | | |
| 1110 | ٦ | 7 0940 | | | |
| 3 | ٢ | | × | | |
| 13 | | 11151 | X | | |
| 1130 | | 1120 | × | | |
| 11 40 | W | 1125 | .×. | | |
| 1140 | BL483017 | 1130 | ,× | | |
| V. Other (specify) | | 01140 | × | | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 | | - | ×.× | | |
| We Skin Irritant Poison B Unknown Radiological Sample Disposal (A fee may be assessed if samples are retained longer than 1 or Client Disposal By Lab Archive For Special Instructions/QC Requirements: Date/Ime: Date/Ime: Company Received by: Date/Ime: Date/Ime: Company Received by: Date/Ime: Date/Ime: Date/Ime: Company Received by: Date/Ime: Date | | / | 1 | | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 retained lon | | / | 1 | | |
| Sample Disposal (Afree may be assessed if samples are retained longer than 17 | | 7 | | | |
| by: Date: Date: Time: Date: Time: Date: Time: Date: Time: Date/Time: Date | le l | Poison B Unknown | | may be assessed if samples are re | etained longer than 1 month) Archive For Months |
| by: Date: Time: Method of Shipment: Obate/Time: Company Received by: Company Company Date/Time: Da | Deliverable Requested: 1, 11, 111, IV, Other (specify) | LEVEL 11 | Special Instructions/QC Re | | |
| Custody Seal No.: Company Received by: Conjer Temperature(s)*C and Other Remarks: Date/Time: Date | Empty Kit Relinquished by: | | Time: | Method of Shipment: | |
| Date/Time: Company Received by: Date/Time: D | Reinquished by: Reinquished by: | 170 | A Receive | ~ | 0515 |
| Custody Seal No.: | Reinquished by: | Date/Time: | | Date/Time: | Company |
| | | | Cooler Temperature(s) "C a | nd Other Remarks: | |

| | Sampler: | Lab PM: | Carrier Tracking No(s): | COC NO: |
|---|--------------------------------|---|-------------------------|---|
| Client Information | RUPICIA | Rydberg, Donna R | | |
| Client Contact: Tony Kupilik | (301) 145- 1474 | E-Mail: donna.rydberg@testamericainc.com | uu | Page: Page 1 of 1 |
| Company: Trihydro Corporation | | Anal | Analysis Requested | Job #: |
| Address. 1252 Commerce Drive | Due Date Requested: | | | Pos |
| City. Laramie | TAT Requested (days): | | | B - NaOH N - None C - Zn Acetate O - AsNaO2 |
| State, Zip: WY, 82070 | 10 DAY | | | |
| Phone: | PO#: | (c | | G-Amchlor S-H2SO4 H-Ascorbic Acid T-TSP Dodecativitiate |
| Email: tkupilik@trihydro.com | 1-252 WO-L | (oN | | J - Di Water |
| Project Name: Questa Pipeline - Lead and Asbestos | Project #: 28017197 | 10 88 | | L-EDA |
| Site: | SSOW#: | A) as | | of co Other: |
| Sample Identification | Sample Sample (Scomp.) | Matrix (Wowder, Specific Matrix D) Previous (Wooder, Specific Matrix D) Previous (AS) | | Number Special Instructions/Note: |
| | X | ation Code: | | |
| INST B3017 | 8/30/17 0910 G | S | | |
| INSZB3017 | 1 5180 | × | | |
| VG183017 | | χ/γ | | |
| VG283017 | 0630 | X/X | | |
| VG383017 | 0 840 | × | | |
| PW183017 | 0181 | | | |
| PW283017 | 0751 | , X | | |
| PW 383017 | 1530 | ×× | | |
| PW483017 | V 0240 | ンメ | | |
| | / | 1 | | |
| | / / / | \ \ \ \ | | |
| Possible Hazard Identification Non-Hazard Planmable Skin Irritant | Poison B Kunknown Radiological | | essed if samples are re | stained longer than 1 month) Archive For Months |
| | LEYEL 11 | Special Instructions/QC Requirements | Requirements: | |
| inquished by. | Date: | Time: 7 1 | Method of Shipment: | |
| Reinquished by. T. Koシルル | 9/6/17 @ 1500 | J | Date/Time: / | 17 09(0 |
| Relinquished by: | Date/Time: | Company Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company Received by: | Date/Time: | Company |
| Custody Seals Intact: Custody Seal No.: | | Cooler Temperature(s) "C and Other Remarks | C and Other Remarks: | |
| A Yes A No | | | | |
| | | | | |

Client: Trihydro Corporation Job Number: 280-100940-1

List Source: TestAmerica Denver

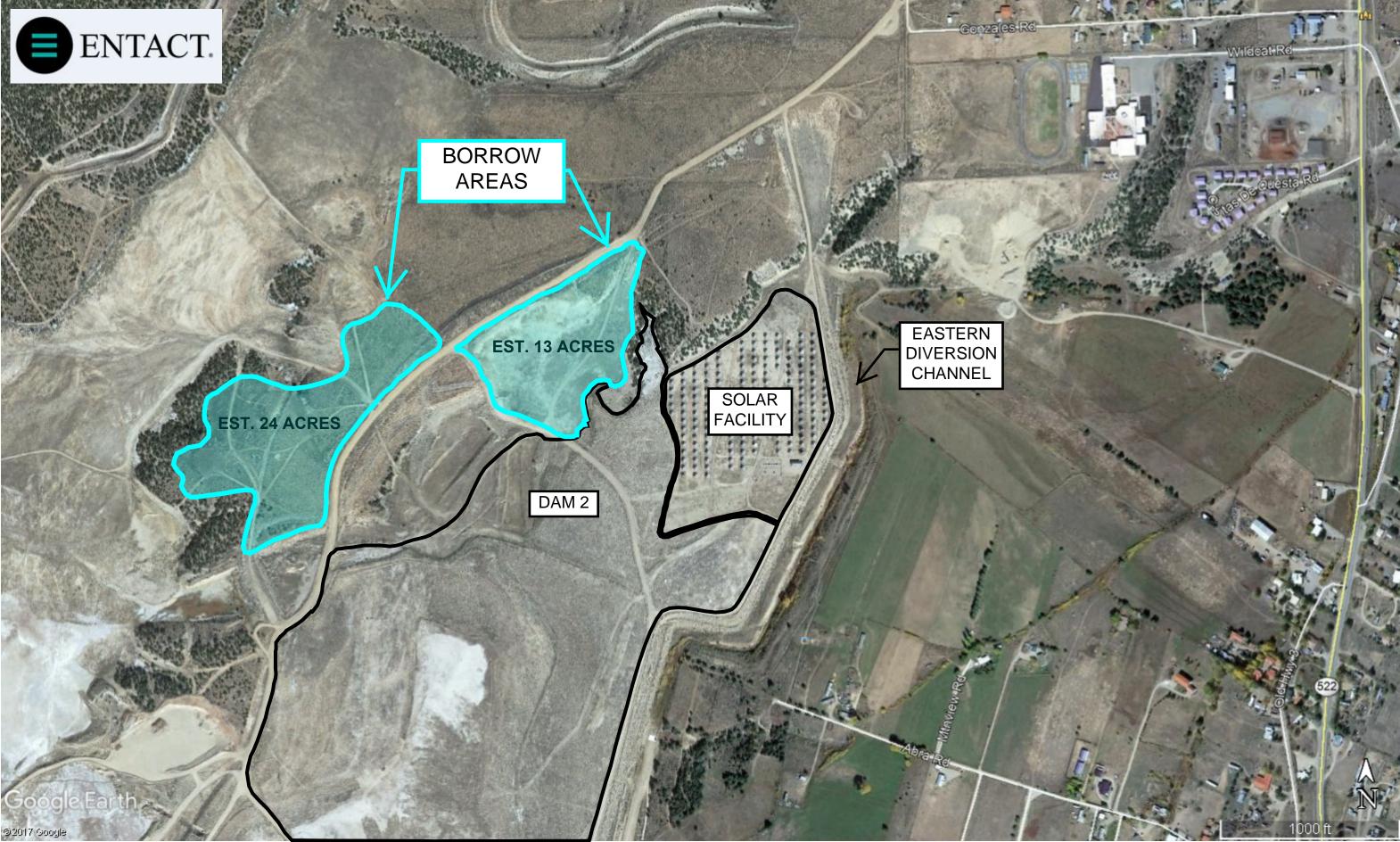
Login Number: 100940 List Number: 1

Creator: True, Joshua A

| orditor. True, obstitut A | | |
|---|--------|---------|
| Question | Answer | Comment |
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td> | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

APPENDIX B

BORROW AREA MAP



APPENDIX C

EXAMPLE FIELD AND HEALTH AND SAFETY FORMS

Pre-Fieldwork Safety-Readiness Review Form

For all field projects

| | For all | field projects | | | | | | | |
|---|---|---|------------------|------------|-----------|----------|--|--|--|
| | | Names and initials of required | participants: | | | | | | |
| | | 1. BUL, BUM, or TL: | | | | | | | |
| Trihydro | | 2. Project Director: | | | | | | | |
| Irinyaro | | Project Manager: Field Supervisor: | | | | | | | |
| CORPORATION | | 5. Safety Officer/Lead: | | | | | | | |
| Business unit name | : | o. Jaioty Gilloon Edad. | | | | | | | |
| Client name | - | Names and initials of other p | articipants: | | | | | | |
| Project name and number | | Project-team members: | | | | | | | |
| Date review performed | : | 2. Contractor(s): | | | | | | | |
| Scheduled project-start date | : | 3. Subcontractor(s): | | | | | | | |
| Scheduled project-end date | : | | | | | | | | |
| | Work-Related Hazards | | | | | | | | |
| Work-Scope Tasks | (refer to the 3x5 Hazard-Assessment Triangle) | | | | | | | | |
| Work-Scope Tasks | (roter to the exertable recomment rhangle) | Anticipated Ha | ızard-Mitigatioı | 1 Measures | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| | <u> </u> | | | | | | | | |
| Pre-Fieldwork Safety-Readiness Review Checklist | | | Yes | No | N/A | CAN | | | |
| 1 Has the project team secured the necessary safe | ty and other work permits required to complete the p | roposed work? | | | | | | | |
| | prepared and/or updated, and have all project-team | • | | | | | | | |
| | | | | | | | | | |
| | e they prepared and/or updated their HASP and JSA | | | | | | | | |
| Has the project team been reminded that JSAs not team, and marked up where appropriate before st | eed to be prepared by the project's subject-matter extering and during work each day? | perts, reviewed by all members of the project | | | | | | | |
| | is a plan to manage lone worker safety in place and | communicated with the project toom? | | | | | | | |
| | | | | | | | | | |
| 6 Do we know if the project site has reliable cell-phone coverage? [If not, request a phone booster from Autumn Bainer.] 7 Has a hand-safety evaluation been completed for this project? | | | | | | | | | |
| 8 Has each work space been evaluated (and documented) for the possible presence of confined-space work conditions? | | | | | | | | | |
| 8 Has each work space been evaluated (and documented) for the possible presence of confined-space work conditions? 9 Have team membersincluding contractors and subcontractorsreviewed and understand the project-site hazards and requirements? | | | | | | | | | |
| 9 Have team membersincluding contractors and subcontractorsreviewed and understand the project-site hazards and requirements? | | | | | | | | | |
| 10 Do all project-team membersincluding contractors and subcontractorsunderstand Stop Work Authority and the "Slow Down" approach? | | | | | | | | | |
| 10 Do all project-team membersincluding contractors and subcontractorsunderstand Stop Work Authority and the "Slow Down" approach? 11 Have all applicable PPE (e.g., PID, FID, H2S detector, etc.) and emergency-response equipment been secured and checked for this project? | | | | | | | | | |
| Have all applicable PPE (e.g., PID, FID, H2S detector, etc.) and emergency-response equipment been secured and checked for this project? | | | | | | | | | |
| 12 Have suitable vehicles been secured and are team members familiar with the vehicle types and operation? | | | | | | | | | |
| 13 If a client site-specific orientation is required, have | e all team members completed the required training? | | | | | | | | |
| 14 Have SSE mentors been assigned and provided | with instructions for overseeing each SSE team men | nber? | | | | | | | |
| 15 Is a plan in-place and assignments made to provide | de oversight of "low-use" or special contractor/subco | ontractor team members? | | | | | | | |
| Have topics been developed and assignments ma | ade for the daily project-safety meetings, including di | scussing potential daily- and task-specific | | | | | | | |
| hazards? | | | | | | | | | |
| 17 Has the plan for performing and reporting observa | ations, near misses, and incidents been communicat | ed? | | | | | | | |
| 18 Has the project team been reminded that journey- | management plans (JMPs) should be used during the | ne project where appropriate? | | | | | | | |
| 19 Is a traffic-management plan needed for this proje | ect and has it been completed and communicated to | the project team? | | | | | | | |
| 20 Have procedures for work in or near hazardous at | reas (e.g., trenches, confined spaces, active units) b | neen communicated? | | | | | | | |
| · | t (e.g., lockout / tag out, swinging, rotating, backing) | | | | | | | | |
| · ' | | | | | | | | | |
| | ocating Checklist been completed for each drilling/ex | | | | | | | | |
| Have all employees expecting to oversee or performance Best Practices" training session? | rm drilling/excavation work completed the Trihydro " | Subsurface Utility Location and Excavation Safety | | | | | | | |
| | ed in accordance with Trihydro and client procedure | c? | | | | | | | |
| | · | | | | | | | | |
| | and reporting changed conditions (e.g., hazards, wea | uner, team roles)? | | | | | | | |
| 26 Is a plan in place for transitioning and training cha | | | | | | | | | |
| | site-specific hazards and developed a plan(s) to elim | - | | | | | | | |
| | to be on site for the onboarding, kickoff, and initial s | | | | | | | | |
| | k types, > one week duration, etc.)? If so, please inc be on site in the "Review / Non-CAN Item Comments | | | | | | | | |
| | | | | | | | | | |
| | ed, qualified, selected, and approved by the BUL bas | sed on Trihydro and/or client-specific | | | | | | | |
| requirements? | | | | | | | | | |
| Is a safety audit with a Senior Manager planned for | or the early stages of all major field projects? If so, | please indicate the Senior Manager's name and | | | | | | | |
| | dit in the "Review / Non-CAN Item Comments" box b | | | | | | | | |
| Eindings / Corrective Assign No. 4-4 (CAN) C | oru, | | I . | | | [| | | |
| Findings / Corrective-Action Needed (CAN) Summ | aı y | | I_ | _ | _ | 1 | | | |
| CAN Item No. | | | Responsible | Target | Completed | | | | |
| (i.e., 1 through 30 from the checklist above) | Description | of CAN Item | Person | Date | Date | Initials | | | |
| | | | | | | | | | |
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| | | | <u> </u> | | | | | | |
| Review / Non-CAN Item Comments: | | | | | | | | | |
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Pre-Fieldwork Safety-Readiness Review Form

For all field projects

Instructions:

1. While using this form, attempts should be made to address or correct the items warranting Corrective Action Needed (CAN) at the time of the evaluation. If this is not practical, each CAN item / finding should be documented above, including assignment of an individual responsible for addressing the CAN item and a target completion date. Once all of the CAN items have been completed, the Project Manager should review them with the responsible TL, BUM, or BUL and secure sign-off initials that each CAN item has been addressed satisfactorily.

2. Copies of this form should be retained by the responsible TL, BUM, and/or BUL and submitted to the Trihydro H&S Team via e-mail HealthSafety@Trihydro.com or fax (307) 755-4959. Please contact the Trihydro H&S Team for help conducting pre-fieldwork safety-readiness reviews, or if you have questions, suggestions, or comments about the forms.

JOB SAFETY ANALYSIS



| JSA Version Date: February 29, 2012 | | | | | | |
|---|----------------------------|---------------------|------|------------------------|-----------------------------|--|
| Job Description: Driving | | | | | | |
| Project: Questa | | Site Location: Site | wide | | | |
| Development Team Please include the team members employer and email if not employed by Trihydro Corporation: | Position/Title: | | | | Primary Contact | |
| 1. Pat Henricks | Geologist | | | | (307) 760-9447 | |
| 2. | | | | | | |
| 3. | | | | | | |
| Reviewed By Please include the reviewers employer and email if not employed by Trihydro Corporation: | Position | | | | Review Date (MM/DD/YYYY) | |
| 1. Todd Forry | Health and Safet | y Manager | | | 10/25/2012 | |
| 2. Torrey Fox | Geologist | | | | 6/10/11 | |
| 3. | | | | | | |
| Personal Protective Equipment (PPE) | Needed: | | I | | | |
| Eye and Face Protection | Body Protection | | | Fall Protection | | |
| ☐ Safety Glasses | ☐ Fire Retardant Coveralls | | | ☐ Barriers/Guard Rails | | |
| ☐ Face Shield | ☐ Poly-coated Tyv | vek Coveralls | | Safety Ne | et | |
| ☐ Chemical Goggles | ☐ Chemical Resis | tant Coveralls | | Personal | Fall Arrest System | |
| Head Protection | ☐ Chemical Resis | tant Apron | Res | spiratory | Protection | |
| ☐ Hard Hat | ☐ Reflective Safet | ty Vest | | Half-Face | Air Purifying Respirator | |
| Hearing Protection | ☐ Cooling Vest | | | Full-Face | Air Purifying Respirator | |
| ☐ Ear Plugs | ☐ Long sleeved sl | hirt | | Chemical | Cartridge | |
| ☐ Ear Muffs | Biological Protect | ion | | Particulat | e Filter | |
| Hand Protection | ☐ Snake Gaiters | | | Cartridge | /Filter Combo | |
| ☐ Industrial Work Gloves | Sunscreen | | | Ammonia | Cartridge | |
| ☐ Chemical Resistant Gloves | ☐ Insect Repellan | t | | H2S Esca | ape Cartridge | |
| ☐ Laceration Resistant Gloves | Hazardous Atmos | phere Protection | | Asbestos | Filter (P-100) | |
| Foot Protection | ☐ Air Monitoring E | quipment | | | Air Purifying Respirator | |
| ☐ Leather Boots | ☐ Ventilation Fan | | (PA | PR) (con t | tact H&S dept.) | |
| ☐ Steel-Toed Boots | ☐ Level C | | _ | | Air Respirator (SAR) | |
| ☐ Chemical Resistant Boots | Level B (contact | ct H&S dept.) | (co | ntact H&S | S dept.) | |
| Water Safety | Level A (contac | ct H&S dept.) | | | ained Breathing | |
| ☐ Personal Flotation Device | Decontamination I | Materials | | - | CBA) (contact H&S | |
| ☐ Waders | ☐ Equipment Dec | ontamination | dep | , <i>j</i> | | |
| | ☐ Personnel Deco | ontamination | | Other: | | |
| ☑ Other: First aid/vehicle kit | | cones | | Other: | | |

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| Job Steps | Ha | zard(s) | Potential Ha | azard(s) | Critical Action(s) | Responsible Person |
|--|----|---------|---|------------|---|-----------------------|
| Routine or non-routine journey management plan (JMP) – check (all drivers) | | X X | A. Personal Injur B. Property dama physical injury | age or | A. Check the JMP before proceeding to the vehicle. 3. Assess if journey is needed due to weather conditions (e.g., snow, ice, rain, wind). Check before each vehicle trip around the site since work areas can be changed throughout the day. | |
| Perform vehicle inspection (all drivers) 4. Pre vehicle entry | | X X | A. Vehicle failure injury (Gravity) A. Personal Injure |) (Motion) | A. Fill out vehicle inspection form for any vehicles used for the day. DO NOT use vehicle until issues are addressed. • Clean mirrors and windows. Inspect the interior of the vehicle; including seat belts and gauges. • Remove any clutter or items that may affect your driving, visibility or pedal control. • Follow appropriate maintenance schedule for your vehicle. • Verify insurance card, registration, and inspection. • Refer to the owner/operator manual generally kept in the glove box. • Verify presence of spill kit, first aid kit, and fire extinguisher within inspection period A. GOAL: before entering your | |

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| Job Steps | ŀ | Hazaı | rd(s) | | Potential Hazard(s) | Critical Action(s) Responsible Person |
|---|-------|-------|-------|---|--|--|
| Configure coating | 26 | | | X | A Porconal Injury Visibility | A Adjust coating to a |
| Configure seating and controls and lock doors (all drivers) | 今金万山の | | | X | A. Personal Injury Visibility; poor driver ergonomics and/or poor driver control (Motion) | A. Adjust seating to a comfortable position and so that you can easily reach the pedals and steering wheel. Adjust all mirrors. Wear seat belt. If you haven't operated this vehicle before, become familiar with all the controls and where everything is located in the vehicle. Look for blind spots in your viewing area. Refer to the owner's manual if necessary. |
| Starting vehicle (all drivers) | | | | x | A. Unexpected vehicle movement; engine damage or failure (Motion) | A. Before starting, ensure that the vehicle is in park and the parking brake is applied. • After starting, check all gauges for proper temperatures, pressures, etc. |
| Pulling away from parked area (all drivers) | 谷金子山の | x | | X | A. Collision with other vehicles, objects or persons (Gravity) (Motion) | A. Check mirrors and over the shoulder before pulling away. • Vehicle should be situated so the first movement is forward, however if backing, either use a spotter or blow horn to warn others. • Proceed cautiously. |
| Driving (all drivers) | 谷金ケー | x | | X | A. Vehicle strikes; vehicle accidents; equipment damage (Gravity) (Motion) B. Collision with wildlife (Biological) | A. Follow JMP applicable to your journey. Review driving JSA. Plan your route, review maps before leaving. • Obey all laws of the land as well as site procedures. |

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| Job Steps | Hazard(s) | Potential Hazard(s) | Critical Action(s) | Responsible Person |
|---------------|-----------|----------------------------------|---|-----------------------|
| Parking | X X | A. Pedestrian collision / | Follow posted speed limit. Be prepared to 'expect the unexpected'. You never know what someone else (or animals) might do. NEVER drive under the influence of drugs or alcohol. Follow posted signs at other locations. Never operate the vehicle if you are abnormally tired. Cell phone usage is prohibited while driving a vehicle, including hands free devices such as headset and speaker phones. Implement 'first move forward' by backing into locations upon arrival. Be observant of pedestrians (main field office area) and other traffic around you. Engage parking brake once vehicle is parked. Do not place equipment/supplies above mirror line of sight (i.e., inside cab and or truck bed). Pull off the road if necessary during bad weather. B. Scan the area for wildlife including dogs, cats, deer, cows, horses, elk, coyotes, fox's, badgers, and prairie dogs while traveling on site. Watch road sides for movement and pull vehicle to side of road if animal observed. Be particularly aware of animals present in roadway during dusk and morning. | |
| (all drivers) | X X | Property damage(Gravity)(Motion) | spots when available Use signals before pulling from curb and during any change of lane or turn | |

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| Job Steps | Н | azaro | d(s) | | | Potential Hazard(s) | | Critical Action(s) | Responsible Person |
|-----------------------------|---|-------|------|---|----|--|----|---|-----------------------|
| Post drive (all drivers) | | x | | x | A. | Personal Injury / Property damage (Gravity)(Motion) | Α. | Back into parking space when possible and safe Maintain a cushion of safety from fixed objects when parking Set parking brake if on incline; chock wheels if working on steep slopes Report vehicle problems to company representative or rental car agency. | |

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As the Supervisor my signature below indicates that the requirements, conditions, and procedures listed above are in place and have been verified and reviewed with the affected personnel prior to the start of work.

| Supervisor Name (print): | Signature | Date |
|---|---|--|
| | | |
| Prior to work, I have read and understand the Pl also understand the job steps, potential hazards this JSA on site and identify daily variances and task site that contain pen-and-ink changes ("dirty | , and critical actions identified for employee to understand I can make pen and ink changes | task and hazard awareness. I agree to have s to meet those variances. JSAs used at the |
| Name (print): | Signature | Date |
| | | |
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END OF DAY

REVISIONS TO JSA (Any tasks that were "dirtied up")

| Date | Job Step # | REVISION | Does JS to be u perman | SA need pdated nently? | Responsible Person |
|------|---------------|----------|------------------------------|------------------------|-----------------------|
| | • | | Yes | No | |
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DAILY TAILGATE SAFETY MEETING



NOTE: A new tailgate meeting must be conducted if conditions, location, or personnel change. _____ Time: ____ a.m. p.m. Location: _____(city, state) Date: _____ Client: _____ Project Name: _____ Current Objective/Description: **Commitment to Safety** I will protect myself for me, my family, Trihydro, clients, and contractors by watching for and mitigating risky behaviors, exercising stop-work authority to prevent incidents and injuries and by complying with Trihydro and client policies, procedures, and JSAs/JLAs I understand that safety is my personal responsibility and that working safely is a key component in providing quality work. 3. I will set an example for my fellow employees, contractors, clients, and family by working safely. I will drive defensively and "Safely for My Family," abiding by Trihydro and client policies and applicable laws and regulations. I will "slow down" appropriately to work at a pace that will allow me and others to complete each task efficiently and safely. I will hold myself accountable for my safety and the safety of those around me. I will think about the safety of me, my coworkers, contractors, and our clients before I conduct each task. * Stop Work Authority (SWA) – "Everyone has the authority and obligation to immediately stop all unsafe work." Identify High-Hazard Work: Hot Work Elevated/overhead work Boat / over-water operations Work involving equipment within 15' of active overhead electrical line or LOTO Excavations - any Demolition, removal of pole supporting an electric pipelines and buried structures **Confined Space Entry** Drilling - any **Associated and Identified Hazards:** ☐ Pinch points ☐ High-pressure processes ☐ Earthquake ☐ Abrasions, cuts, scrapes ☐ High-temperature processes ☐ Power tools ☐ Electrical ☐ High wind ☐ Pulled into ☐ Allergies (self & co-workers) ☐ Asbestos ☐ Equipment failure Laceration ☐ Radiation/X-ray ☐ Security ☐ Biological ☐ Ergonomic ☐ Lightning ☐ Buried utilities ☐ Excavations in area? Severe weather Loud noise ☐ Falling □ Scaffolds ☐ Burn hazards ☐ Machine guarding ☐ Fire/explosion ☐ Slips, trips, falls ☐ Chemical exposure ☐ Subsurface utilities ☐ Cold stress ☐ H₂S ☐ No locking/fixed blades ☐ Traffic ☐ Compressed gases ☐ Hand injury Overexertion □ Crane or lifting equipment Overhead utilities ☐ Water Heat stress □ Drilling in area? ☐ Pedestrian ☐ Heavy equipment Other: See it! Identify Current Objective Hazards: Assess Trihydro's 3 Most Assess Trihydro's 5 Most Other Hazards Serious Risks Frequent Risks Traffic/Heavy Equipment Hand Injuries Weather Hazardous Atmosphere Lifting Working at Heights **Utility Contact** Biological Hazards Chemical Exposure Slips, trips, falls

Daily Tailgate Safety Meeting Created: June 30, 2011

| Personal Protective Equipment | nt (PPE): | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| ☐ Hard hat | ☐ Arm sleeves | ☐ Dust mask | Other special | equipment: | | | | |
| ☐ Safety glasses | ☐ High visibility vest | visibility vest Respirator | | | | | | |
| ☐ Safety toed boots | ☐ Rain gear | Cartridges/filters: ☐ VOC/H₂S escap | ре 📙 | | | | | |
| ☐ Ear plugs (as needed) | ☐ Rubber boots | H ₂ S monitor | | | | | | |
| ☐ Face shield | □ SCBA | ☐ Bump test ☐ FRCs/Nomex | | | | | | |
| ☐ Fall protection | ☐ Snake chaps | ☐ Tyvek [®] | | | | | | |
| ☐ Gloves (as needed) | ☐ Sunscreen (as needed) | ☐ Insect repellant | | | | | | |
| _ Cloves (as needed) | curiscreen (as necuca) | *Do not apply DEET to FF | RCs* | | | | | |
| | | | | | | | | |
| Before Beginning Work: | | | | | | | | |
| ☐ Sign in and out of process unit ☐ | N/A | ☐ Review the JSA an | ☐ Review the JSA and "dirty up" if necessary | | | | | |
| ☐ HASP reviewed & acknowledged | | ☐ Weather forecast: ☐ Hot ☐ Cold ☐ Inclement Wind Direction: | | | | | | |
| ☐ Locate the nearest evacuation point | t and a secondary location | ☐ Employee(s) are wearing proper PPE | | | | | | |
| | Identify the nearest fire extinguisher, eyewash station, first aid kit, and Material Safety Data Sheets (MSDS) | | | ☐ Perform a "self check" on each personal H₂S monitor | | | | |
| ☐ Identify CPR/AED/first aid certified e | | ☐ Perform a Work-Sit | te Self Assessment (WS | SA) | | | | |
| ☐ If lone worker, implement lone work | If lone worker, implement lone worker procedures N/A | | | Review the dashboard emergency flyer for the specific site; place in a visible location inside vehicle | | | | |
| ☐ Identify SSE, visitor(s), or guest(s) | □ N/A | ☐ Barricade work zor | ie (as needed) | | | | | |
| ☐ Determine and acquire necessary p | ermits | ☐ Review WorkCare | Review WorkCare Injury Accident Program card | | | | | |
| Permit required: | | PPE Action Levels (PID: 10ppm) | | | | | | |
| | | | | | | | | |
| Safe Vehicle Use: | | | | | | | | |
| ☐ Pre-inspection complete | ☐ Mileage sheet filled | d out | ☐ GOAL sticker in window | | | | | |
| ☐ Seat belt | ☐ No cell phones use | ed while driving | ☐ Spotter used (if available) | | | | | |
| ☐ Follow all speed and traffic rules | ☐ Parked in a safe lo | cation | ☐ First move forward, backed in | | | | | |
| ☐ Emergency brake used | ☐ Orange cone used | | ☐ Load secured in vehicle | | | | | |
| ☐ Keys left in vehicle | ☐ Chock tires (if need | ded) | ☐ 3D-Driving (every 2 years) | | | | | |
| ☐ Trailer Safety Inspection form | ☐ Other: | | Other: | | | | | |
| | | | | | | | | |
| Site-Specific Comments: | | | · | | | | | |
| | | | | | | | | |
| Positive Reinforcement (R+):_ | | | | | | | | |
| Signatures: | | | | | | | | |
| Meeting Conducted By: | (desig | gnated project on-site sa | afety responder) Co | ompany: | | | | |
| Printed Name | Signature | Company | Attended Mid-Day Safety Focus | Is this worker new on-site? | | | | |
| 1. | | | ☐ Yes ☐ No | ☐ Yes ☐ No | | | | |
| 2. | | | ☐ Yes ☐ No | ☐ Yes ☐ No | | | | |
| 3. | | | ☐ Yes ☐ No | ☐ Yes ☐ No | | | | |
| 4. | | | ☐ Yes ☐ No | ☐ Yes ☐ No | | | | |
| 5. | | | ☐ Yes ☐ No | ☐ Yes ☐ No | | | | |
| 6. | | | ☐ Yes ☐ No | ☐ Yes ☐ No | | | | |
| 7. | | | ☐ Yes ☐ No | ☐ Yes ☐ No | | | | |
| | | | | | | | | |

JOURNEY MANAGEMENT PLAN



| Date: | Project Number | er: | | | Driver: | | |
|---|---------------------|--------------|---------------|--------------------|--------------|---------------|----------|
| Destination: | Driver Cell Number: | | | | | | |
| Departure Time: | | | | Anticipated Arriva | I Time: | | |
| Total Hours (not to exceed 1 | 6 hours): | | = | Work Hrs | + | Driving Hrs_ | |
| Plan the journey and notify p Keep a copy of this plan with | | | | | | | |
| In case of an emergency o | r incident, cont | tact the Hea | olth & Safety | Response Team | at (307) 75 | 5-4888. | |
| Purpose of Trip | | | | | | | |
| Hazards | | | | | | | |
| Pre-Trip Questions | | | | | | | |
| Is this trip necessary? | | | | | | ☐ Yes | □No |
| Is there an alternative that do | oes not involve o | driving? | | | | ☐ Yes | ☐ No |
| If yes, by what means: | | | | | | | |
| Is someone else already going to the same destination? | | | | | ☐ Yes | ☐ No | |
| Do I have a map to my destination? | | | | | | ☐ Yes | ☐ No |
| Has the proper vehicle been selected? | | | | | | ☐ Yes | ☐ No |
| Is the vehicle equipped with emergency supplies? | | | | | | ☐ Yes | ☐ No |
| Do I have current driver training for this trip? | | | | | | ☐ Yes | ☐ No |
| Am I well rested and alert for the journey? | | | | | ☐ Yes | ☐ No | |
| Do I have effective means of communications during my journey? | | | | | ☐ Yes | ☐ No | |
| Has a pre-trip vehicle inspection been completed and documented? | | | | | ☐ Yes | ☐ No | |
| Have road condition reports been reviewed prior to the journey? ☐ Yes | | | | | ☐ No | | |
| Weather: | ☐ Dry | ☐ Windy | ☐ Rain | ☐ Snow | ☐ Icy | ☐ Fog | ☐ Dust |
| Road Conditions: | ☐ Dirt Road | I Co | onstruction | ☐ Paved | Road | ☐ Mixed Cor | nditions |
| Night Driving: | ☐ Yes | ☐ No | | Is it essential? | ☐ Yes | □No | |
| Vehicle: | ☐ Fleet Veh | nicle | ☐ Re | ntal Vehicle | ☐ Per | sonal Vehicle | |
| Make*: | Model*: | | | Year*: | | Color*: | |
| VIN* or Fleet Number: | | | | License Pla | ite State/Nu | mber*: | |
| Condition: | ☐ Satisfactory | | | | | | |
| Vehicle Inspection Form Cor | npleted? | | ☐ Yes | ☐ No | | | |
| Vehicle preventive maintenance up to date? | | | ☐ Yes | ☐ No | | | |

When traveling to the site, contact your supervisor/project manager to confirm your safe arrival. On return journey, contact your supervisor/project manager when you depart from site and upon arrival back to start point to confirm your safe travels.

*For rental or personal vehicle, if available.

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| For Overnight Sta | ys Hotel Name: | | Telephone: | | |
|-----------------------|--|---|---|---|--|
| | City: | | State: | | |
| Route Planned | (Auto route, train informa | ation, and/or flight information): | E | | |
| Unconventional T | Verify the following: Name is on the aircr Pilot performs safety | y briefing prior to takeoff | Do not approach aircraft from the rear approach from front quadrant or side Stay clear of tail rotor | ; | |
| Drivete Aircreft | Hats are not worn or | n flight line | - Stay clear of fair fotor | | |
| ☐ Private Aircraft | Verify the following: Name is on the aircr Pilot performs safety Hats are not worn or | y briefing prior to takeoff | Do not approach aircraft from the rear approach from front quadrant or side | • | |
| ☐ Watercraft ☐ Other: | - | r is on the watercraft manifest afety briefing prior to launch | Personal flotation devices are available/worn Notify supervisor of vessel number | | |
| | | | | | |
| Supervisor/PM App | roval: | | Date: | | |
| Employee site arriv | al: Dat | te: | Time: | | |
| Employee site depa | arture: Dat | te: | Time: | | |
| Employee home an | rival: Dat | te: | Time: | | |

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