

STATE OF  
COLORADO

## Sooner 13-16 Secondary Release Excavation Summary and Groundwater Investigation

Allison - DNR, Rick &lt;rick.allison@state.co.us&gt;

Thu, Feb 26, 2015 at 1:49 PM

To: Carter Peace &lt;cpeace@tasman-geo.com&gt;

Cc: Rachel Grant &lt;rgrant@foundationenergy.com&gt;, Mike Lindstrom &lt;mlindstrom@tasman-geo.com&gt;, regulatory &lt;regulatory@foundationenergy.com&gt;

Carter and Rachel,

COGCC has no issues with the proposed monitoring well layout. If the proposed wells do not fully define the extent of BTEX in ground water, then additional site characterization will be necessary.

Please provide a report summarizing the results of the ground water characterization including boring logs, site diagram with final monitoring well locations, calculated ground water elevations and a summary of ground water analytical results.

Please contact me with any questions regarding this project.

Regards,

Rick Allison, P.G.

Environmental Protection Specialist, Northeast Colorado

**COLORADO**  
Oil & Gas Conservation  
Commission  
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On Wed, Feb 25, 2015 at 9:30 AM, Carter Peace &lt;cpeace@tasman-geo.com&gt; wrote:

**Operator: Foundation Energy Management LLC****Site Legals: SWSW S16 T8N R58W 6PM****API #: 05-123-13452****Spill Tracking #: 2147376****Remediation Project #: 8549**

Hello Rick,

On behalf of Foundation Energy (Foundation), Tasman Geosciences, Inc. (Tasman) is submitting this excavation summary for the secondary release discovered on January 27, 2015 at the Sooner 13-16 location (Figure 1).

Soil excavation activities were completed February 2, 2015 whereby approximately 200 Cubic Yards (CY) of impacted material were removed and transported to the North Weld Landfill in Ault, Colorado for disposal, please see attached waste manifest copies. Six confirmation soil samples were collected from the final excavation extent and submitted to Summit Scientific Laboratory for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX), total petroleum hydrocarbons (TPH) – gasoline range organics (GRO), and TPH – diesel range organics (DRO). Analytical results indicated constituent concentrations in the six soil samples were below COGCC Table 910-1 standards. The final excavation extent and sample locations are illustrated on the attached Figure 2. Soil analytical data is provided in the attached Table 1.

Groundwater was encountered in the excavation at approximately 12 feet below ground surface (BGS). A groundwater sample was not collected from the excavation area as residual dissolved phase concentrations were previously characterized during initial excavation activities.

Based on groundwater analytical results, a sub-surface investigation is required to define the extent of groundwater impacts on site. Consequently, Foundation is requesting approval to conduct a groundwater investigation and installation of ten temporary monitoring well locations. Proposed well locations are illustrated on the attached Figure 3.

Please feel free to contact me with any questions about this project,

Thank you,

Carter Peace

Operations Manager

Tasman Geosciences

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