

**Bratcher, Mike, EMNRD**

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**From:** Sheldon Hitchcock <slhitchcock@talonlpe.com>  
**Sent:** Thursday, November 03, 2016 4:07 PM  
**To:** Tucker, Shelly; Patterson, Heather, EMNRD; Bratcher, Mike, EMNRD  
**Cc:** 'Michael Barrett'; David Adkins  
**Subject:** Hawk 8 Fed #46 Gas Line Release (30-015-28301) (2RP-3945)  
**Attachments:** Hawk 8 #46 Site Map.pdf; Ground Water.pdf; Initial Lab Data.pdf; Post Flush Lab Data.pdf

Good Afternoon All,

Please see the attached site map, groundwater data and laboratory data for the Hawk 8 Fed #46. This release was in unit N of Section 5, Township 18S, Range 27E. According to New Mexico Office of the State Engineer groundwater in this area is 140-feet BGS. Therefore we have a site ranking of 0 for this project. As you know this release was in a draw with limited accessibility.

In order to remediate this area we built a lined sump at the lower portion of the impacted area to recover fluid and flushed the draw with 6 loads of fresh water containing a biodegradable surfactant and followed that up with 4 loads of freshwater. The lab data from the initial soil sampling event and the post flush sampling are summarized in the tables below. Given the results of our analytical data we respectfully request permission to remove the sump, re-contour and seed the work area per BLM requirements. Once we finish that portion of the project we will submit a closure report and final C-141. Please let me know if you have any questions or concerns.

**Initial Sampling Event 10/20/16**

<b>Sample ID</b>	<b>Depth (feet)</b>	<b>BTEX (mg/kg)</b>	<b>Chlorides (mg/kg)</b>	<b>TPH (mg/kg) GRO</b>	<b>TPH (mg/kg) DRO</b>
<b>S-1</b>	0	ND	768	ND	11.3
<b>S-2</b>	0	ND	1250	ND	103
<b>S-2 refusal</b>	1	ND	224	ND	65.1
<b>S-3</b>	0	12.6	1920	753	23800
<b>S-3 refusal</b>	1	ND	240	ND	10.7
<b>S-4</b>	0	198	2800	2640	25000
<b>S-4</b>	1	ND	496	ND	ND
<b>S-4 refusal</b>	2	ND	ND	ND	ND

**Post flushing Sampling Event**

<b>Sample ID</b>	<b>Depth (feet)</b>	<b>BTEX (mg/kg)</b>	<b>Chlorides (mg/kg)</b>	<b>TPH (mg/kg) GRO</b>	<b>TPH (mg/kg) DRO</b>
<b>S-2</b>	0	ND	176	ND	ND
<b>S-3</b>	0	ND	185	79.6	1210
<b>S-4</b>	0	ND	725	16.3	654

(ND) Analyte Not Detected

Based upon the site ranking of **0**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, and 5,000 mg/kg for TPH.

Respectfully,

**Sheldon Hitchcock**

**Project Manager**

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