



Kerr-McGee Oil & Gas Onshore LP
1099 18th Street, Suite 1800
Denver, Colorado 80202
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March 4, 2016

Mr. Peter Gintautas Environmental Protection Specialist
Colorado Oil & Gas Conservation Commission
1120 Lincoln St., #801
Denver, CO 80203

received 03/04/2016
Project 9246
Document #: 2211799

Re: Hanks Pooling Unit #1
Facility No. 317562
Remediation No. 200437171
SWSW Sec 34 T2N R67W

Dear Mr. Gintautas:

Attached please find an update letter report for the subject remediation project. Feel free to contact me at 970-515-1161 if you have any questions regarding this information.

Sincerely,

Kerr-McGee Oil & Gas Onshore LP

A handwritten signature in blue ink, appearing to read 'P. Hamlin'.

Phillip Hamlin,
Sr. HSE Representative



March 3, 2016

Mr. Paul Schneider, P.G.
Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Suite 1800
Denver, Colorado 80202

**Re: Form 27 Supplemental Update: Hanks Pooling Unit 1
SWSW S34 T2N R67W
Facility No. 317562; Remediation No. 200437171**

Dear Mr. Schneider:

Tasman Geosciences, Inc. (Tasman) has prepared this Supplemental Update (Update) for the former Kerr-McGee Oil & Gas Onshore, LP (Kerr-McGee) Hanks Pooling Unit 1 production facility in Weld County, Colorado (Site) to document assessment and remediation activities that have been conducted subsequent to the submittal of the Site-specific Form 27 – Site Investigation and Remediation Workplan (Form 27). The Form 27 was submitted via electronic mail to Mr. Chris Canfield of the Colorado Oil and Gas Conservation Commission (COGCC) on July 23, 2015; the COGCC has not yet assigned a Remediation Number to the project.

As detailed in the Form 27, initial Site assessment and remediation activities were conducted by Kerr-McGee between April 10 and May 21, 2014. These activities included: excavation and off-Site disposal of approximately 140 cubic yards of impacted soil; advancement of exploratory excavations to delineate remaining soil impacts, and; collection and analysis of soil samples excavation groundwater samples, and surface water samples. Sample locations and analytical results were presented in the Form 27; proposed future remediation activities were also presented in this document.

In 2015, Suncor Energy Pipeline Company (Suncor) initiated excavation, dewatering, and pipeline installation activities in the vicinity of the Site as part of their Rocky Mountain Pipeline Project. During these activities, soil within the area of impacts delineated in 2014 was excavated by Suncor and transported to a licensed disposal facility for disposal. Tasman, on behalf of Kerr-McGee, collected soil samples from the sidewalls of the Suncor excavation on January 21, 2016. The sidewall soil sample locations were surveyed using a handheld Trimble GPS unit, and the samples were submitted to Origins Laboratory for analysis. Suncor representatives collected split samples during this sampling event.

Form 27 submitted 09/10/2015 and
approved on 09/11/2015 as Project 9246

Figure 1 illustrates the extent of soil impacts delineated in 2014, the extent of the 2014 Kerr-McGee excavation, the extent of the 2015 Suncor excavation (as of January 21, 2016), and the estimated extent of remaining soil impacts. As presented in the Site-specific Form 27, Kerr-McGee plans to address these remaining soil impacts through excavation and off-Site disposal once landowner and applicable third-party approvals have been granted.

Please contact me at 970.927.0393 with any questions or if you need additional information.

Sincerely,

Tasman Geosciences, Inc.



Robert M. Cornez
Principal – Environmental

Figure: Figure 1 – Estimated Remedial Treatment Area

FIGURE



Legend

- - - Approximate Extent of Soil Impacts Above CCGCC Table 910-1 Standards
- - - Suncor Excavation Extent - Collected 1-20-2016 (Collected via Trimble GPS)
- - - Approximate 2014 APC Excavation Extent (Composite of Initial Excavation, Trimble GPS Survey and Exploratory Excavation Assessment Field Measurements)
- Remaining Estimated Remedial Treatment Area (Approx. 547 cubic yds; assuming groundwater at 4' bgs)
- ▭ Above Ground KPK Infrastructure
- - - KPK Buried Lines Previously Exposed via Hydro Vacuum Excavation

Notes:
bgs - below ground surface

0 30 60
Feet

N
↑

Coordinate System: NAD 1983 UTM Zone 13N

DATE: February 17, 2016
 DESIGNED BY: R. Cornez
 DRAWN BY: D. Arnold



Kerr-McGee Oil and Gas Onshore, LP
Hanks Pooling Unit 1
 SWSW, Section 34, Township 2 North, Range 67 West
 Weld County, Colorado

Estimated Remedial Treatment Area

Figure 1