

State of Colorado
Oil and Gas Conservation Commission



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Document 2143221
Received 5/14/2015
REM 9080

SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

OGCC Employee:
☐ Spill ☐ Complaint
☐ Inspection ☐ NOAV
Tracking No:

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

☒ Spill or Release ☐ Plug & Abandon ☐ Central Facility Closure ☐ Site/Facility Closure ☐ Other (describe): _____

OGCC Operator Number: <u>46290</u> Name of Operator: <u>KP Kauffman Company</u> Address: <u>1675 Broadway Suite 2800</u> City: <u>Denver</u> State: <u>CO</u> Zip: <u>80202</u>	Contact Name and Telephone: <u>Susana Lara-Mesa</u> No: <u>303-825-4822</u> Fax: <u>303-825-4825</u>
API Number: <u>05-123-07688</u> County: <u>Weld</u> Facility Name: _____ Facility Number: _____ Well Name: <u>Charles C. Bell</u> Well Number: <u>1</u> Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>SENW Sec 16 T2N R66W 6th</u> Latitude: <u>40.140188</u> Longitude: <u>-104.786903</u>	

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Condensate
Site Conditions: Is location within a sensitive area (according to Rule 901e)? ☒ Y ☐ N If yes, attach evaluation.
 Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): Non-crop land
 Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Olney fine sandy loam, 1 to 3 percent slopes
 Potential receptors (water wells within 1/4 mi, surface waters, etc.): Water well (450'), surface water (3,000'), shallow groundwater

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):	Extent of Impact:	How Determined:
<input checked="" type="checkbox"/> Soils	<u>70'x40'x4'</u>	<u>Visual</u>
<input type="checkbox"/> Vegetation	_____	_____
<input checked="" type="checkbox"/> Groundwater	<u>To be confirmed with water samples</u>	<u>TBD</u>
<input type="checkbox"/> Surface Water	_____	_____

REMEDIALTION WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):

The flowline has been repaired and portions of it have been replaced with poly line. A vac truck was brought in on May 8, 2015 to remove the top portion of water that held the oil sheen. Absorbent pads were also placed in the water to collect any small remaining oil presence. Because of the shallow water table and collection of stormwater in the excavation area, ground water may have been impacted. The surface area affected by stormwater collection is estimated to be 70 feet by 40 feet. The excavation area is roughly 20 feet wide by 10 feet long and 4 feet deep.

Describe how source is to be removed:

Contaminated soil and water will be disposed of at a certified facility

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:

Soil will be hauled to a certified facility and water will be disposed of at Wattenberg Disposal. Once groundwater samples are collected and analyzed, an updated plan will be submitted.



Tracking Number: _____
Name of Operator: KP Kauffman Co
OGCC Operator No: 46290
Received Date: 05-14-2015
Well Name & No: Charles C. Bell #1
Facility Name & No: _____

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REMEDIATION WORKPLAN (Cont.)

OGCC Employee: _____

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):

Water collected in the excavation was sampled on 05-13-2015 and is being analyzed for BTEX. Additionally, groundwater samples will be collected and analyzed for BTEX. If the results show concentration levels above COGCC cleanup standards, an updated plan to install monitoring wells will be submitted to the COGCC.

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.

Soil samples will be collected from the excavation and will be field-screened with a PID analyzer in order to determine the extent of the contamination. Once clean samples have been collected, the samples will be sent to a certified laboratory to be analyzed for BTEX and TPH. Once the results are available and confirm that the contaminated soil has been removed, the excavation will be backfilled with clean soil and graded to match previous conditions.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.

Is further site investigation required? ☒ Y ☐ N If yes, describe:

Water samples from the excavation were collected on 05-13-2015 and are currently being analyzed for BTEX. Groundwater samples will be collected via hand auger on 05-15-2015 and will be analyzed for BTEX. Soil samples will be collected from the affected area in order to verify that contaminated soil has been removed from the location. Soil samples will be test for BTEX and TPH.

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

Waste Management (soil) and Wattenberg Disposal (water)

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 05-08-2015 Date Site Investigation Completed: _____ Date Remediation Plan Submitted: 05-14-2015
Remediation Start Date: 05-08-2015 Anticipated Completion Date: 05-31-2015 Actual Completion Date: _____

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Susana Lara-Mesa

Signed: [Signature]

Title: VP Engineering

Date: 05-14-2015

OGCC Approved: _____ Title: _____ Date: _____