

FORM
27
Rev 6/99

State of Colorado
Oil and Gas Conservation Commission



1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109

FOR OGCC USE ONLY
Received 8/8/14
REM #8597
Doc #1733903

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): Tank cleanout

OGCC Operator Number: <u>10386</u>	Contact Name and Telephone: <u>Blair Rollins</u>
Name of Operator: <u>POC_I LLC</u>	No: <u>(970) 263-6013</u>
Address: <u>1888 Sherman Street, Suite 500</u>	Fax: <u>(303) 629-9223</u>
City: <u>Denver</u> State: <u>CO</u> Zip: <u>80203</u>	
API Number: <u>05-081-05119</u> County: <u>Moffat</u>	
Facility Name: <u>ILES DOME UNIT - 64N92W Sandage Tank</u> Facility Number: <u>Location ID 312756</u> <u>116589</u>	
Well Name: <u>ILES DOME UNIT</u> <u>Br 2/P.T</u> Well Number: <u>#8</u> <u>40.307379, -107.689185</u>	
Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>NWSE, Sec 22, T4N, R92W</u> Latitude: <u>40.30686</u> Longitude: <u>407.686574</u>	

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Sediment and sludge inside tanks

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.): Rangeland

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Pinelli loam 3-12% slopes, Pricecreek clay loam 0-4% slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): The nearest surface water is located approximately 145 ft. to the east. The nearest monitoring well is located immediately adjacent to the tanks on the pad

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

Impacted Media (check):	Extent of Impact:	How Determined:
<input type="checkbox"/> Soils	_____	Visually
<input type="checkbox"/> Vegetation	_____	Visually
<input type="checkbox"/> Groundwater	_____	Visually
<input type="checkbox"/> Surface Water	_____	Visually

REMEDATION WORKPLAN

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

Describe how source is to be removed:
See attached narrative.

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.:
See attached narrative.

Submit Page 2 with Page 1

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Tracking Number: _____
Name of Operator: _____
OGCC Operator No: _____
Received Date: _____
Well Name & No: _____
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.):

See attached narrative.

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.

See attached narrative.

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:

See attached narrative.

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

See attached narrative.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: July 30, 2014 Date Site Investigation Completed: TBD Date Remediation Plan Submitted: August 8, 2014
Remediation Start Date: July 30, 2014 Anticipated Completion Date: TBD Actual Completion Date: TBD

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

Print Name: Blair Rollins Signed: [Signature]

Title: Environmental Contractor Date: August 8, 2014

OGCC Approved: [Signature] Title: EPS T Date: 8/13/2014

changes to this Form 27 were by Kris Neidel 8/13/2014
See DATA ENTERED Remediation project for COA's

PRE Resources (POC_I LLC)
Operator # 10386
ILES DOME UNIT – 64N92W (Location ID # 312756)

Form 27 Closure Narrative

Describe initial action taken:

POC_1 LLC (POC) has identified the need to clean out the tank bottom solids found inside six storage tanks on the location. POC estimates tank bottom solids within the six settling tanks at depths ranging from 7 feet to 13+ feet. POC is providing this document to the COGCC following an onsite visit which discussed options for cleanout and disposal. The conversation concluded with a plan to use a high-pressure water stinger and vacuum truck or vacuum pump to mobilize and remove the tank bottoms directly into a transport truck for disposal. As requested by Alex Fischer, POC is providing this workplan to outline the plan for transportation and disposal of the tank bottoms.

Describe how source is to be removed:

The proposed plan is to utilize a high-pressure water stinger and vacuum truck system to mobilize and remove the tank solids from the tank. POC has contracted a local oil and gas support contractor who will operate a high-pressure water stinger while a vacuum truck is pulling material from the drain valve of the tank. POC plans on testing this method of tank cleanout on tank 4 and if effective, will continue on remaining tanks beginning with tank 5.

Proposed schedule for tank cleaning:

- Clean out tanks 4 and 5. Complete internal integrity inspection of both tanks and receive report by August 15, 2014;
- POC to clean out tank 1 by September 19, 2014;
- Repair tanks 4 and 5 by October 24, 2014, depending on material availability;
- Clean and inspect tank 6, receive report by November 21, 2014;
- Remove water from tank 2 prior to winter, estimated around November 21, 2014;
- Dismantle and remove tank 1 from service around January 17, 2015;
- Repair tank 6 around April 18, 2015;
- Clean and inspect tank 2 by May 23, 2015;
- Clean, inspect, and repair tank 3 by July 24, 2015.

The timeline above is an estimate and could change depending on materials and weather factors. POC will communicate with the COGCC regarding any changes in the estimated timeline.

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.:

All solids and fluids generated during the cleaning process will be collected in the vacuum truck connected to the tank's drain valve. Once full, each vacuum truck will transport the tank bottom and fluid mixture to an approved commercial offsite disposal facility for disposal. Based on this approach, no impacts to soil or groundwater are expected.

PRE Resources (POC_I LLC)
Operator # 10386
ILES DOME UNIT – 64N92W (Location ID # 312756)

In the event that a spill is encountered during the activity, any impacted material will be collected and disposed of following COGCC 900-series rules. Confirmation samples will be collected to assure that the impacts were adequately removed.

If Ground water has been impacted, describe proposed monitoring plan:

No impacts to groundwater are expected from the tank cleanout process. Following tank cleanout, POC will conduct an inspection of the tank bottom to ensure integrity of the floor and bottom ring of the tank.

Describe reclamation plan:

Following cleanout of all six tanks, POC will dismantle and remove tank 1 from service. The floor and bottom ring of each tank will be inspected for integrity. POC will return the tanks to service once tank integrity has been verified.

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?

No samples have been collected as impacts and remediation has not been identified or necessary. This Form 27 outlines the plan to mobilize, remove, and dispose of tank bottom solids from six production tanks. Further site investigation is not anticipated.

Final Disposition for E&P waste (land treated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

POC will utilize a high-pressure water stinger and vacuum truck system to remove the solids and will dispose of them and the associated liquid at a commercial offsite disposal facility. Once the tanks have been adequately cleaned and inspected, POC will notify the COGCC of the tank inspection results before the tanks are returned to production. POC will maintain all records of waste disposal including haul tickets in their Denver office as part of the closure of the project.

In the event that a spill is encountered during the activity, any impacted material will be collected and disposed of following COGCC 900-series rules. All records for offsite disposal including haul tickets will be maintained in their Denver office as part of the closure of the project. Confirmation samples will be collected to assure that the impacts were adequately removed.