

## State of Colorado

## Oil and Gas Conservation Commission

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FOR OGCC USE ONLY

Document 2314846  
Received 6/10/2015  
REM 9141

## 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.

## CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

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

OGCC Employee:

☐ Spill ☐ Complaint☐ Inspection ☐ NOAV

Tracking No: \_\_\_\_\_

OGCC Operator Number: <u>16700</u>	Contact Name and Telephone: _____
Name of Operator: <u>Chevron USA, Inc.</u>	<u>Marcelo Barberis</u>
Address: <u>760 Horizon Drive</u>	No: <u>Cell: 832.693.1679 Office: 713.372.0289</u>
City: <u>Grand Junction</u> State: <u>CO</u> Zip: <u>81506</u>	Fax: <u>NA</u>
API Number: <u>N/A</u>	County: <u>Rio Blanco</u>
Facility Name: <u>Emergency Pit - Rangely Weber Station 47</u>	Facility Number: <u>102571</u>
Well Name: <u>N/A</u>	Well Number: <u>N/A</u>
Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>SWSE 35 2N 102W</u> Latitude: <u>40.094781</u> Longitude: <u>-108.811852</u>	

## TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): emergency pressure relief from adjacent collection station

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.): Dry land farming

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: \_\_\_\_\_

Potential receptors (water wells within 1/4 mi, surface waters, etc.): No wells, White River approximately 900 ft N and 1200 ft W of pit.

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	Hydrocarbon impacts to approximately 3 feet below pit bottom	_____
<input type="checkbox"/> Vegetation	_____	_____
<input type="checkbox"/> Groundwater	_____	_____
<input type="checkbox"/> Surface Water	_____	_____

## REMEDIALTION WORKPLAN

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

No initial action taken, this action is part of voluntary pit closure actions.

## Describe how source is to be removed:

Excess liquid to be removed with a vacuum truck. All visually identified highly impacted material will be removed by excavating the material from the pit. Liner will be removed, cleaned, and disposed. Confirmation samples from pit walls and bottom will be collected to ensure that the soil does not exceed COGCC regulatory requirements summarized in Table 910-1. Clean borrow material will be imported from an off-site source. All sample locations from the pit walls and bottom will be surveyed using a global positioning system (GPS) device. If impacted material is still present at a depth equal to the limits of safe excavation (approximately 20 feet bgs), COGCC will be notified for a possible site inspection and to discuss potential options for an alternative path forward.

## 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.:

Excess liquids removed by vacuum truck will be recycled at the Chevron-operated water treatment facility. Liner will be cleaned and disposed at municipal landfill. Highly impacted soil will be loaded and transported by truck to Chevron-operated landfarm in Rangely CO. In addition, the following COGCC conditions of approval will be followed: 3-5 discrete samples should be taken from pit wall; with at least one from the true pit bottom, samples should be analyzed for table 910-1. Guidance for sample locations should be taken from rule 910 b(2)8. Final Reclamation should comply with 1004 rules. Operator should provide notice to Environmental staff Kris Neidel via email (kris.neidel@state.co.us) or phone at 970-871-1963 upon mobilization at begin of work AND when location is ready for pit bottom confirmation samples. Characterization samples shall be taken of fill material to be used as pit cover, the soil was referred to as "3 feet of clean import material" in initial form 27. Final report should include aerial photograph depicting exact location of discrete pit wall and bottom samples. Work plan is approved; however additional information and remediation may be required during the course of investigation and remediation. Notice should be given to COGCC if any groundwater is encountered during remediation.

Submit Page 2 with Page 1



Tracking Number: \_\_\_\_\_  
Name of Operator: \_\_\_\_\_  
OGCC Operator No: \_\_\_\_\_  
Received Date: \_\_\_\_\_  
Well Name & No: \_\_\_\_\_  
Facility Name & No: \_\_\_\_\_

Page 2

**REMEDIATION WORKPLAN (Cont.)**

OGCC Employee: \_\_\_\_\_

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

No groundwater will be impacted.

**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.

All fencing, netting, and surrounding piping will be removed prior to impacted soil excavation. All material will be excavated to expose the liner. The liner will then be cleaned and disposed. Following impacted soil excavation, soil disposal, and confirmation sampling, the excavation will be backfilled and wheel compacted with clean imported soil and existing clean berm material. At least 3 feet of clean import material will be placed and compacted as a final backfill layer in the excavation. The area will be graded to match existing contours and drainage at the plant. A final layer of aggregate will be placed to match the existing adjacent material or the area will be re-seeded with a BLM seed mix. All storm water controls will be removed following final grading.

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:  
N/A

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

Proposed waste disposition will be at the Chevron-operated Landfarm in Rangely, CO or a local disposal facility.

**IMPLEMENTATION SCHEDULE**

Date Site Investigation Began: \_\_\_\_\_ Date Site Investigation Completed: \_\_\_\_\_ Date Remediation Plan Submitted: \_\_\_\_\_  
Remediation Start Date: 6/30/15 Anticipated Completion Date: 10/30/15 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: MARCELO BARBERIS Signed: [Signature]  
Title: CHEVRON EMC PM Date: 06/10/15

OGCC Approved: [Signature] Title: EPS II Date: 6/19/2015