

State of Colorado  
Oil and Gas Conservation Commission



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



**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>86610</u>	Contact Name and Telephone: <u>Matt Wurtzbacher</u>
Name of Operator: <u>Caerus WashCo LLC</u>	No: <u>303-565-4600</u>
Address: <u>600 17 th Street Suite 1600 NT</u>	Fax: <u>303-565-4606</u>
City: <u>Denver</u> State: <u>CO</u> Zip: <u>80202</u>	

API Number: <u>N/A 121-08776</u>	County: <u>Washington</u>
Facility Name: <u>Church</u>	Facility Number: <u>236286</u>
Well Name: <u>N/A</u>	Well Number: <u>N/A</u>
Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>SE NE Section 25 T3S R51W</u>	Latitude: _____ Longitude: _____

**TECHNICAL CONDITIONS**

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): \_\_\_\_\_

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

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.): \_\_\_\_\_

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>Aerial Elevated TPH and SAR soil in and around pits</u>	<u>Sample</u>
<input type="checkbox"/> Vegetation	_____	_____
<input type="checkbox"/> Groundwater	_____	_____
<input type="checkbox"/> Surface Water	_____	_____

**REMEDIATION WORKPLAN**

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

Removed TPH contaminated from P2B, SPA and SPH. Removed all visual TPH contaminated soil from P3C and SPB. All contaminated soil excavated was taken to clean Harbors in Deer Trail for disposal.

Describe how source is to be removed:

Front end Loader and trucks

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.:

Close pit 1 and 2 by pushing SAR elevated soil to base of pit and cover with 5' of non contaminated soil. Then grade location to natural contour. Excavate TPH contaminated soil from pit 3 at P3C and put at SPB. Proceed to land farm SPE with disc to aerate soil until soil meets standards for TPH soil. Sample P3C again to ensure soil is below TPH standards. When standard is meet close pit by pushing SAR elevated soil to base of pit and cover with 5' of non contaminated soil.



Tracking Number: Rem # 4301  
Name of Operator: Caerus Wash  
OGCC Operator No: 86610  
Received Date: 7/13/10  
Well Name & No: Church #2  
Facility Name & No: \_\_\_\_\_

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REMEDATION WORKPLAN (Cont.)

OGCC Employee: Axelson

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

N/A

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.

Land farm SPB area all summer by discing soil every month to aerate contaminated dirt. Close Pits 1 and 2 by pushing SAR contaminated dirt to base of pit and cover with 5' of non-contaminate soil. Resample P3C for TPH soil, once the soil is below the standard then close Pit 3 with SAR elevated soil pushed to the base of the pit and 5' of good soil on top.

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:

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

All TPH soil has been taken to Clean Harbors in Deer Trail for disposal

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: \_\_\_\_\_ Date Site Investigation Completed: \_\_\_\_\_ Date Remediation Plan Submitted: \_\_\_\_\_  
Remediation Start Date: \_\_\_\_\_ Anticipated Completion Date: \_\_\_\_\_ 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: Mathew A. Wurtzbacher Signed: \_\_\_\_\_

Title: Presidnet Date: \_\_\_\_\_

OGCC Approved: [Signature] Title: EPS Date: 7/15/10

\* Land treat oily soil in accordance with 907.e.(2).