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OCT 05 2012

**COGCC**

☐ Spill ☐ Complaint  
☐ Inspection ☐ NOAV

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

**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 Operator Number: <u>72400</u>	Contact Name and Telephone: <u>Dino Lombardi</u>
Name of Operator: <u>Public Service Company of Colorado</u>	No: <u>303-294-2158</u>
Address: <u>1800 Larimer Street;</u>	Fax: <u>303-294-2859</u>
City: <u>Denver</u> State: <u>CO</u> Zip: <u>80202</u>	
API Number: _____	County: <u>Morgan</u>
Facility Name: <u>Round-Up Gas Storage Facility</u>	Facility Number: <u>(120141) - Pond Permit # 119077</u>
Well Name: <u>evaporation ponds - Permit # 119077</u>	Well Number: _____
Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>NW 1/4 Sec 27 T2N; R60W 6th PM</u> Latitude: <u>40.113595</u> Longitude: <u>-104.091998</u>	

**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.): Dryland farming

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

Potential receptors (water wells within 1/4 mi, surface waters, etc.): None

**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>Minor visual impact to soil under lined pond</u>	<u>Visual inspection and laboratory analysis</u>
<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):

See attached pond closure report and laboratory results showing that all target analytes meet COGCC Table 910-1 closure levels. The soil was removed due to the crust even though it met the Table 910-1 closure levels.

**Describe how source is to be removed:**

Approximately 60 cubic yeards of soil was removed from the west end of the north pond where a crust had formed under the liner. See attached report.

**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.:**

The soil that was removed was taken to a licensed landfill for disposal. See attached report.





Tracking Number: 1761357  
Name of Operator: Public Service Company  
OGCC Operator No: 72400  
Received Date: 10/5/12  
Well Name & No: \_\_\_\_\_  
Facility Name & No: Pit Fac ID #119077

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REMEDIATION WORKPLAN (Cont.)

OGCC Employee: John Axelsson

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

An historic leak in the liner in the 1990's caused impacts to groundwater. Four groundwater monitoring wells are sampled quarterly and analyzed for BTEX, TPH-GRO, TPH-DRO, and chloride.

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.

The laboratory results for soil samples collected at the site indicated that all applicable constituents on Table 910-1 are within their respective limits. BTEX was non-detect in all samples and SAR was less than the limit. See report for additional information.

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:

The confirmation soil sampling activities for the pond closure show that all applicable compounds listed on COGCC Table 910-1 are less than their respective limits.

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

Waste disposal manifests for the soil that was removed from the west end of the north pond are attached to the closure report.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: August 2012 Date Site Investigation Completed: September 2012 Date Remediation Plan Submitted: August 12, 2012  
Remediation Start Date: September 2012 Anticipated Completion Date: NA Actual Completion Date: September 2012

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

Print Name: David Cloutier

Signed: David Cloutier

Title: Senior Scientist

Date: October 1, 2012

OGCC Approved: John Axelsson

Title: EPS

Date: 12/10/12