

State of Colorado
Oil and Gas Conservation Commission

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REM 9152

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>10516</u>	Contact Name and Telephone: <u>Derek Johnson</u>
Name of Operator: <u>LINN OPERATING INC</u>	Derek Johnson
Address: <u>1999 Broadway, Suite 3700</u>	No: <u>(970) 274-3335</u>
City: <u>Denver</u> State: <u>CO</u> Zip: <u>80202</u>	Fax: _____

API Number: <u>05-045-14963</u>	County: <u>Garfield</u>
Facility Name: <u>SCHOOL POINT OM K-15 696</u>	Facility Number: <u>441685, 335991</u>
Well Name: <u>SCHOOL HOUSE POINT OM # 11B K15 696</u>	Well Number: <u>11B</u>
Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>NESW, 15, 6S, 96W, 6th PM</u>	Latitude: <u>39.522333</u> Longitude: <u>-108.097129</u>

TECHNICAL CONDITIONS

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

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.): Industrial, grazing

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: well drained parachute-irigul loams

Potential receptors (water wells within 1/4 mi, surface waters, etc.): approx. 2,400' to unnamed spring in NWNW qtr qtr

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>5 cubic yards</u>	<u>Visual inspection</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):

Stained soils were excavated and segregated on a poly liner on location. Soil samples were collected and sent to a certified laboratory for analysis. Most recent analysis from 6/3/2015 (attached) showed TPH levels above the standard (739.1 mg/kg).

Describe how source is to be removed:

Soils will remain on location and landtreated.

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.:

Soils will be treated with soil ammendments as necessary and land farmed until sampling demonstrates compliance with the Table 910-1 standards. Soil will then be incorporated during interim reclamation of the pad.



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

REMIEDIATION 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 impacts occurred, as the 3bbl spill did not permeate the soil beyond a 5' depth.

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.

Contaminated soils will be treated with soil ammendments (phosphorus/nitrogen) as necessary and land farmed until sampling demonstrates compliance with the Table 910-1 standards. Soil will then be incorporated during interim reclamation of the pad. During interim reclamation, utilization of the soil in slope recontouring will occur before seeding and final stabilization.

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:

Sampling and lab analysis is necessary until the small soil stockpile passes the Table 910.1 standards.

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

The impacted soils will be landtreated and incorporated into interim reclamation efforts for disposal/beneficial reuse.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 4-30-15 Date Site Investigation Completed: 5-2-15 Date Remediation Plan Submitted: 6-24-15
Remediation Start Date: 4-31-15 Anticipated Completion Date: 6-24-16 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: Michael Foster Signed: [Signature]

Title: Regulatory Compliance Specialist II Date: 6/25/2015

OGCC Approved: _____ Title: _____ Date: _____