

State of Colorado
Oil and Gas Conservation Commission

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04/30/2021

Report taken by:
Jason Kosola

Site Investigation and Remediation Workplan (Supplemental Form)

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. However, this shall not preclude the Operator from taking immediate action to protect public health or safety, the environment, wildlife, or livestock.

This Form 27 describes site conditions as currently understood by the Operator; approval of this Form 27 by COGCC is based on the site conditions accurately described herein; any changes in site conditions identified during or subsequent to the performance of the approved workplan may necessitate additional investigation or remediation which shall be described on a supplemental Form 27.

This Form 27 is intended to provide basic information regarding the proposed site investigation and remediation actions, but the workplan may be more fully described in attached documentation.

Refer to Rules 340, 905, 906, 907, 908, 909, and 910

OPERATOR INFORMATION

Name of Operator: <u>WIEPKING-FULLERTON ENERGY LLC</u>	Operator No: <u>96340</u>	Phone Numbers Phone: <u>(720) 941-0791</u> Mobile: <u>()</u>
Address: <u>106 GLENMOOR LN</u>		
City: <u>ENGLEWOOD</u>	State: <u>CO</u>	Zip: <u>80113</u>
Contact Person: <u>Linda Boone</u>	Email: <u>ldboonepar@aol.com</u>	

PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 17504 Initial Form 27 Document #: 402648826

PURPOSE INFORMATION

- | | |
|--|---|
| <input type="checkbox"/> 901.e. Sensitive Area Determination | <input type="checkbox"/> 909.c.(5), Rule 910.b.(4): Remediation of impacted ground water |
| <input type="checkbox"/> 909.c.(1), Rule 905: Pit or PW vessel closure | <input type="checkbox"/> Rule 909.e.(2)A.: Notice completion of remediation in accordance with Rule 909.b. |
| <input type="checkbox"/> 909.c.(2), Rule 906: Spill/Release Remediation | <input type="checkbox"/> Rule 909.e.(2)B.: Closure of remediation project |
| <input type="checkbox"/> 909.c.(3), Rule 907.e.: Land treatment of oily waste | <input type="checkbox"/> Rule 906.c.: Director request |
| <input type="checkbox"/> 909.c.(4), Rule 908.g.: Centralized E&P Waste Management Facility closure | <input checked="" type="checkbox"/> Other <u>Off location area impacted by tire windbreak fire which occurred due to a tank battery fire.</u> |

SITE INFORMATION

N Multiple Facilities (in accordance with Rule 909.c.)

Facility Type: <u>LOCATION</u>	Facility ID: <u>433693</u>	API #: _____	County Name: <u>LINCOLN</u>
Facility Name: <u>Ma-State 3</u>	Latitude: <u>39.162460</u>	Longitude: <u>-103.619640</u>	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: <u>NWSW</u>	Sec: <u>24</u>	Twp: <u>10S</u>	Range: <u>56W</u> Meridian: <u>6</u> Sensitive Area? <u>Yes</u>

SITE CONDITIONS

General soil type - USCS Classifications SC Most Sensitive Adjacent Land Use Rangeland used for grazing.

Is domestic water well within 1/4 mile? No Is surface water within 1/4 mile? Yes

Is groundwater less than 20 feet below ground surface? No

Other Potential Receptors within 1/4 mile

No surface water is apparent from COGCC site however the original hydrology map for the nearby Ma State 3 well indicated a dry surface water feature within about 116' of the well.

SITE INVESTIGATION PLAN

TYPE OF WASTE:

- | | | |
|--|--|---|
| <input type="checkbox"/> E&P Waste | <input type="checkbox"/> Other E&P Waste | <input checked="" type="checkbox"/> Non-E&P Waste |
| <input type="checkbox"/> Produced Water | <input type="checkbox"/> Workover Fluids | Burn scar and soil impacted by tire fire. |
| <input type="checkbox"/> Oil | <input type="checkbox"/> Tank Bottoms | _____ |
| <input type="checkbox"/> Condensate | <input type="checkbox"/> Pigging Waste | |
| <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Rig Wash | |
| <input type="checkbox"/> Drill Cuttings | <input type="checkbox"/> Spent Filters | |
| | <input type="checkbox"/> Pit Bottoms | |
| | <input type="checkbox"/> Other (as described by EPA) | _____ |

DESCRIPTION OF IMPACT

Impacted?	Impacted Media	Extent of Impact	How Determined
Yes	SOILS	To be determined	Soil Samples

INITIAL ACTION SUMMARY

Description of initial action or emergency response measures take to abate, investigate, and/or remediate impacts associated with E&P Waste.

After the fire at the tire windbreak was extinguished by covering the tires with soil, the tire debris and approximately 144 cubic yards of soil was hauled to a landfill on 1/16/2021.

PROPOSED SAMPLING PLAN

Proposed Soil Sampling

Will soil samples be collected as part of this investigation? (Number, type (grab/composite), analyses, and locations of samples):

The company will take a minimum of 2 soil samples in the impacted area. The company plans to take at least one background sample next to the impacted area. The company has noted the proposed sample locations on the attached photograph.

Proposed Groundwater Sampling

Will groundwater samples be collected as part of this investigation? (Number, analyses, and locations of samples):

Proposed Surface Water Sampling

Will surface water samples be collected as part of this investigation? (Number, analyses, and locations of samples):

Additional Investigative Actions

Additional alternative investigative actions described in attached Site Investigation Plan (summary):

SITE INVESTIGATION REPORT

SAMPLE SUMMARY

Soil

Number of soil samples collected 0
Number of soil samples exceeding 910-1 _____
Was the areal and vertical extent of soil contamination delineated? _____
Approximate areal extent (square feet) _____

NA / ND

-- Highest concentration of TPH (mg/kg) _____
Highest concentration of SAR _____
BTEX > 910-1 _____
Vertical Extent > 910-1 (in feet) _____

Groundwater

Number of groundwater samples collected 0
Was extent of groundwater contaminated delineated? No
Depth to groundwater (below ground surface, in feet) _____
Number of groundwater monitoring wells installed _____
Number of groundwater samples exceeding 910-1 _____

Highest concentration of Benzene (µg/l) _____
Highest concentration of Toluene (µg/l) _____
Highest concentration of Ethylbenzene (µg/l) _____
Highest concentration of Xylene (µg/l) _____
Highest concentration of Methane (mg/l) _____

Surface Water

0 Number of surface water samples collected
Number of surface water samples exceeding 910-1 _____
If surface water is impacted, other agency notification may be required.

OTHER INVESTIGATION INFORMATION

Were impacts to adjacent property or offsite impacts identified?

Were background samples collected as part of this site investigation?

Was investigation derived waste (IDW) generated as part of this investigation?

Volume of solid waste (cubic yards) _____ Volume of liquid waste (barrels) _____

Is further site investigation required?

REMEDIAL ACTION PLAN

Does this Supplemental Form 27A include changes to a previously approved Remedial Action Plan? No _____

SOURCE REMOVAL SUMMARY

Describe how source is to be removed.

Soil in the impacted area will be scraped and contained in a tarp or roll off. Soil impacted by tire windbreak fire will be hauled to a local landfill.

REMEDIATION SUMMARY

Describe how remediation of existing impacts to soil and groundwater is to be accomplished (i.e. summarize remedial action plan). Provide a brief narrative description including: technical justification, schedule for implementation, estimated time to attain NFA status, plus plans and specifications for the selected remedial action technology.

If the proposed plan is approved by the COGCC, the soil removal will commence on 4/6/2021. The operator will remove impacted soil outside the fenced area and also inside the fence where the tire windbreak was formerly located. An independent contractor will conduct at least 2 soil samples in the impacted area along with at least 1 background sample. The results of soil samples are expected to be received during the week of 4/12. After receipt of the soil samples, assuming table 915-1 levels are satisfactory, the operator will formulate a reclamation plan for the impacted area. The surface tenant has requested that the operator replace the windbreak. The operator will replace top soil and conduct seeding operations at the impacted site prior to erecting the replacement windbreak, which will be constructed with metal pipe.

Soil Remediation Summary

In Situ

- _____ Bioremediation (or enhanced bioremediation)
- _____ Chemical oxidation
- _____ Air sparge / Soil vapor extraction
- _____ Natural Attenuation
- _____ Other _____

Ex Situ

- _____ Excavate and offsite disposal
- _____ If Yes: Estimated Volume (Cubic Yards) _____
- _____ Name of Licensed Disposal Facility or COGCC Facility ID # _____
- _____ Excavate and onsite remediation
- _____ Land Treatment
- _____ Bioremediation (or enhanced bioremediation)
- _____ Chemical oxidation
- _____ Other _____

Groundwater Remediation Summary

- _____ Bioremediation (or enhanced bioremediation)
- _____ Chemical oxidation
- _____ Air sparge / Soil vapor extraction
- _____ Natural Attenuation
- _____ Other _____

GROUNDWATER MONITORING

If groundwater has been impacted, describe proposed monitoring plan, including # of wells or sample points, monitoring schedule, analytical methods, points of compliance. Attach a groundwater monitoring location diagram.

REMEDIATION PROGRESS UPDATE

PERIODIC REPORTING

Frequency: Quarterly Semi-Annually Annually Other _____

Report Type: Groundwater Monitoring Land Treatment Progress Report O&M Report

Other _____

WASTE DISPOSAL INFORMATION

Was E&P waste generated as part of this remediation? _____

Describe beneficial use, if any, of E&P Waste derived from this remediation project:

Volume of E&P Waste (solid) in cubic yards _____

E&P waste (solid) description _____

COGCC Disposal Facility ID #, if applicable: _____

Non-COGCC Disposal Facility: _____

Volume of E&P Waste (liquid) in barrels _____

E&P waste (liquid) description _____

COGCC Disposal Facility ID #, if applicable: _____

Non-COGCC Disposal Facility: _____

REMEDIATION COMPLETION REPORT

REMEDIATION COMPLETION SUMMARY

Is this a Final Closure Request for this Remediation Project? No _____

Do all soils meet Table 910-1 standards? _____

Does the previous reply indicate consideration of background concentrations? _____

Are the only residual soil impacts pH, SAR, or EC at depths greater than 3 feet below ground surface? _____

Does Groundwater meet Table 910-1 standards? _____

Is additional groundwater monitoring to be conducted? _____

RECLAMATION PLAN

RECLAMATION PLANNING

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.

The operator will remove impacted soil outside the fenced area and also inside the fence where the tire windbreak was located. An independent contractor will conduct at least 2 soil samples in the impacted area along with at least 1 background sample. After receipt of the soil samples, assuming table 915-1 levels are satisfactory, the operator will formulate a reclamation plan for the impacted area. The surface tenant has requested that the operator replace the windbreak. The operator will replace top soil and conduct seeding operations at the impacted site prior to erecting the replacement windbreak, which will be constructed using metal pipe.

Is the described reclamation complete? No _____

Does the reclamation described herein constitute interim or final reclamation of the Oil and Gas Location?

Interim? Final?

Did the Surface Owner approve the seed mix? _____

If NO, does the seed mix comply with local soil conservation district recommendations? _____

IMPLEMENTATION SCHEDULE

PRIOR DATES

Date of Surface Owner notification/consultation, if required. 04/05/2021

Actual Spill or Release date, if known. 09/12/2020

SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 04/06/2021

Date of commencement of Site Investigation. _____

Date of completion of Site Investigation. _____

REMEDIAL ACTION DATES

Date of commencement of Remediation. 04/06/2021

Date of completion of Remediation. _____

SITE RECLAMATION DATES

Date of commencement of Reclamation. 04/06/2021

Date of completion of Reclamation. _____

OPERATOR COMMENT

The operator has attached the soil results provided by WSP from the Ma State 3 site with the Table 915-1 analytes identifying the footnote in the Table stating that the results that are above the Table 915-1 standard are within 25% of background and thus compliant per Table 915-1's footnote 11. If these results are acceptable, the operator will proceed to haul in top soil and seed the location prior to building a windbreak for the surface tenant.

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

Signed: Linda Boone

Title: Agent

Submit Date: 04/30/2021

Email: ldboonepar@aol.com

Based on the information provided herein, this Application for Site Investigation and Remediation Workplan complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: Jason Kosola

Date: 05/05/2021

Remediation Project Number: 17504

Condition of Approval

<u>COA Type</u>	<u>Description</u>
Final Reclamation	8) COGCC staff will perform a final inspection to verify that the closure criteria have been satisfied after receiving the closure request.
Final Reclamation	7) The operator shall obtain written approval from the State Land Board accepting final reclamation prior to closure of this project. The written approval shall be submitted with the final closure request after closure criteria has been satisfied and all stormwater management controls have been removed.
Final Reclamation	6) The reclamation project shall meet closure criteria when all affected areas have a uniform vegetative cover that reflects pre-disturbance area forbs, shrubs and grasses with total percent plant cover of at least eighty percent (80%) of pre-disturbance levels, excluding noxious weeds.
Interim Reclamation	5) All required work to complete the planned reclamation shall be performed no later than May 31, 2021.

Interim Reclamation	4) If the location is currently used for cattle grazing or will be used during the project, the operator is required to install fencing as needed to protect the reclamation area from damage until vegetation can be established.
Interim Reclamation	3) Control noxious weeds throughout the reclamation process. Weed control measures shall be performed in compliance with the Colorado Noxious Weed Act C.R.S. §35-5.5-115.
Interim Reclamation	2) Comply with COGCC Rule 1002.f. Stormwater Management throughout the duration of the project. a. Perform and document stormwater inspections after any storm event that results in runoff. b. Verify that stormwater controls are properly maintained or replaced as needed throughout the duration of the project.
Interim Reclamation	1) Submit an annual report documenting reclamation work performed and status of vegetation no later than October 31st each year with the following information: a. Total volume of any amendments or fertilizer applied and the application rate per acre; b. Seed mixture and application rate; c. Site photographs depicting the completion of the work including erosion controls and seeding; d. Site photographs depicting the condition of the vegetation during the growing season; e. Copies of the any monitoring inspections conducted during the year. f. Future plans for additional amendments and seeding as needed based on success of the seeding performed in 2021.
8 COAs	

Attachment Check List

Upon approval, the approved Form 27 and all listed attachments will be indexed to the Remediation Project file. Only the approved Form 27 will also be indexed to the related Facilities.

Att Doc Num

Name

402676925	FORM 27-SUPPLEMENTAL-SUBMITTED
402676931	ANALYTICAL RESULTS
402676933	ANALYTICAL RESULTS
402676935	SOIL SAMPLE LOCATION MAP

Total Attach: 4 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)