FORM 27 Rev 5/22

State of Colorado
Energy & Carbon Management Commission

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Report taken by:

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 ECMC 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.
Closure request is not available for an Initial Site Investigation and Remediation Workplan.

OPERATOR INFORMATON

Name of Operator: SCOUT ENERGY MANAGEMENT LLC Operator No: 10779

Address: 13800 MONTFORT DRIVE SUITE 100

City: DALLAS State: TX Zip: 75240

Contact Person: Cody Christian

Phone Numbers

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PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 19156 Initial Form 27 Document #: 402649082

PURPOSE INFORMATION

- [ ] Rule 913.c.(1): Pit or Cuttings Trench closure.
- [ ] Rule 913.c.(2): Buried or partially buried vessel closure, which will be by removal.
- [X] Rule 913.c.(3): Remediation of Spill and Releases pursuant to Rule 912.
- [ ] Rule 913.c.(4): Land treatment of Oily Waste pursuant to Rule 905.e.
- [ ] Rule 913.c.(5): Closure of Centralized E&P Waste Management Facilities pursuant to Rule 907.h.
- [ ] Rule 913.c.(6): Remediation of impacted Groundwater pursuant to Rule 915.e.(3).D, and the contaminant concentrations in Table 915-1.
- [ ] Rule 913.c.(7): Investigation and remediation of natural gas in soil or Groundwater.
- [ ] Rule 913.c.(8): When requested by the Director due to any potential risk to soil, Groundwater, or surface water.
- [ ] Rule 913.c.(9): Decommissioning of Oil and Gas Facilities.
- [ ] Rule 913.g: Changes of Operator.
- [ ] Rule 915.b: Request to leave elevated inorganics in situ.
- [ ] Other:

SITE INFORMATION

No Multiple Facilities

Facility Type: LOCATION Facility ID: 315175 API #: County Name: RIO BLANCO

Facility Name: FEE-62N102W 19SESE Latitude: 40.121695 Longitude: -108.876738

** correct Lat/Long if needed: Latitude: Longitude:

QtrQtr: SESE Sec: 19 Twp: 2N Range: 102W Meridian: 6 Sensitive Area? No

SITE CONDITIONS

General soil type - USCS Classifications CH

Most Sensitive Adjacent Land Use Non Crop Land

Is domestic water well within 1/4 mile? No

Is surface water within 1/4 mile? No

Is groundwater less than 20 feet below ground surface? No

Other Potential Receptors within 1/4 mile

SITE INVESTIGATION PLAN

TYPE OF WASTE:

- [X] **E&P Waste**
  - [X] Produced Water
  - [ ] Oil
  - [ ] Condensate
  - [ ] Drilling Fluids
  - [ ] Drill Cuttings
- [ ] **Other E&P Waste**
  - [ ] Workover Fluids
  - [ ] Tank Bottoms
  - [ ] Pigging Waste
  - [ ] Rig Wash
  - [ ] Spent Filters
  - [ ] Pit Bottoms
  - [ ] Other (as described by EPA) _____
- [ ] **Non-E&P Waste** _____

DESCRIPTION OF IMPACT

Impacted?	Impacted Media	Extent of Impact	How Determined
Yes	SOILS	2692ft. x 1.5ft. x 0.5 ft	Field determined with tape measure
Yes	VEGETATION	Minor distressed vegetation noted.	Visual

INITIAL ACTION SUMMARY

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

A leak occurred on the 10 inch NW injection line at a ten inch to three inch spool that ties to a lateral injection line 530 feet North Northeast of Fee 113X. The leak was in a weld on the reducer that was internally coated. Approximately 164.4264 Bbls of brine water was released and 91.399 Bbls traveled into Stinking Wash Drainage. Vacuum trucks recovered approximately 159.6694 Bbls of brine water. Injection water line was isolated in approximately 50 minutes. The injection water was recovered, and dirt berm containment was utilized in Stinking Water drainage. The spill potentially contained a trace of crude oil, but there was no visible sheen at the time of the spill. (Note: Stinking Water Drainage was not flowing at the time of the spill.) The fluids were picked up by vacuum truck and recycled at the truck unloading facility at the Main Water Plant. A fresh water wash of the affected area was started at approximately noon on 2-27-11. The injection water traveled 2,692 feet into Stinking Water drainage where it was contained by dirt diking.

PROPOSED SAMPLING PLAN

Proposed Soil Sampling

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

Preliminary soil samples were collected late February and early March from the lower portion of the spill path. A total of five (5) grab samples analyzed for Table 910-1 parameters were collected at a depths from 0 to 6 inches below ground surface (ft-bgs). Results show elevated SAR, EC and PAH levels within the impacted area. Five (5) initial samples were collected from upper portion of the spill path on October 18, 2018 and results show one location, SS5, with elevated DRO, PAH and pH concentrations.
Subsequent soil samples analyzed for SAR and EC at the SS1 and UGSS sample locations were collected in May of 2011 and on October 18, 2018 to monitor natural attenuation. While SAR and EC concentrations have come within background range, there are still PAH impacts at SS1, SS, SS5 and DGSS sample locations. DRO and pH will be resampled at SS5 location and EC will be resampled at the SS2 sample location. These locations will be sampled during 2021 to further monitor natural att

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: 14

Number of soil samples exceeeding 915-1: 1

Was the areal and vertical extent of soil contamination delineated? No

Approximate areal extent (square feet): 4038

NA / ND

-- Highest concentration of TPH (mg/kg): 567

-- Highest concentration of SAR: 4.92

BTEX > 915-1: No

Vertical Extent > 915-1 (in feet): 0

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 915-1:

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 915-1

If surface water is impacted, other agency notification may be required.

OTHER INVESTIGATION INFORMATION

[ ] Were impacts to adjacent property or offsite impacts identified?

[X] Were background samples collected as part of this site investigation?

One background sample was collected as part of this investigation. A historical background from a nearby past release was also selected. Results may be found in the attached analytical results.

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

Volume of solid waste (cubic yards):

Volume of liquid waste (barrels):

[X] Is further site investigation required?

Confirmation samples will be collected following the removal of impacted soils at the ORIGIN.

REMEDIAL ACTION PLAN

Does this Supplemental Form 27A include changes to a previously approved Remedial Action Plan? Yes

SOURCE REMOVAL SUMMARY

Describe how source is to be removed.

TPH impacted soils will be removed from the area around sample location FEE113X-ORIGIN, an approximate area of 50 sq. ft. to a depth of 6 inches, using hand tools and equipment. TPH impacted soil will be taken to the Scout Rangely Landfarm.

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.

Organic impacts will be treated ex-situ by excavation. Any inorganic impacts will be treated in-situ by Natural Attenuation. After initial water wash seasonal precipitation events will be utilized.

Soil Remediation Summary

[X] **In Situ**

Bioremediation (or enhanced bioremediation)

[X] **Ex Situ**

Yes Excavate and offsite disposal

	Chemical oxidation	If Yes: Estimated Volume (Cubic Yards)	1
	Air sparge / Soil vapor extraction	Name of Licensed Disposal Facility or ECMC Facility ID #	
Yes	Natural Attenuation		Excavate and onsite remediation
	Other		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

Approved Reporting Schedule:

☐ Quarterly ☒ Semi-Annually ☐ Annually ☐ Other

☒ **Request Alternative Reporting Schedule:**

☐ Semi-Annually ☒ Annually ☐ Other

Rule 913.e:
After initial approval of a Form 27, the Operator will provide quarterly update reports in a Supplemental Form 27 to document progress of site investigation and remediation, unless an alternative reporting schedule has been requested by the Operator and approved by the Director. The Director may request a more frequent reporting schedule based on site-specific conditions.

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

☒ Other REM Progress Rpt.

Adequacy of Operator's General Liability Insurance and Financial Assurance

Describe the adequacy of the Operator's general liability insurance and Financial Assurance to fully address the anticipated costs of Remediation, including the estimated remaining cost for this project (below).
If this information has been provided on a Form 27 within the last 12 months, provide the Document Number of that form.

The policies described below afford industry standard terms and conditions for said policy types, noting that Scout's pollution coverage is broadened pollution legal liability which does not dictate cover based on gradual pollution or sudden or accidental pollution losses. The coverage is intended to respond if a loss occurs during the policy period as respects to a particular property (owned, leased, operated). Note that all layers of excess coverage shown act in excess of the general liability policy, and note that only the Lead $10M Umbrella Policy is afforded in excess of pollution coverage.

Operator anticipates the remaining cost for this project to be: $ 2000

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 _____

ECMC Disposal Facility ID #, if applicable: _____

Non-ECMC Disposal Facility: _____

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

E&P waste (liquid) description _____

ECMC Disposal Facility ID #, if applicable: _____

Non-ECMC Disposal Facility: _____

REMEDIATION COMPLETION REPORT

REMEDIATION COMPLETION SUMMARY

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

If YES:

☐ Compliant with Rule 913.h.(1).

☐ Compliant with Rule 913.h.(2).

☐ Compliant with Rule 913.h.(3).

Do all soils meet Table 915-1 standards? _____

Does the previous reply indicate consideration of background concentrations? _____

Does Groundwater meet Table 915-1 standards?

Is additional groundwater monitoring to be conducted?

Operator shall comply with the ECMC 1000-Series Reclamation Requirements for all impacted and disturbed areas.

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.

Site was reclaimed and seeded once repairs were completed.

Is the described reclamation complete? Yes

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

[X] Interim [ ] Final

Did the Surface Owner provide the seed mix?

If YES, does the seed mix comply with local soil conservation district recommendations?

Did the local soil conservation district provide the seed mix?

SITE RECLAMATION DATES

Proposed date of commencement of Reclamation.

Proposed date of completion of Reclamation.

IMPLEMENTATION SCHEDULE

Per Rule 913.d.(2): Any change from the approved implementation schedule will be requested at least 14 days in advance, and the Operator may not make the change without the Director's approval.

PRIOR DATES

Date of Surface Owner notification/consultation, if required.

Actual Spill or Release date, or date of discovery. 02/27/2011

SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 05/30/2017

Proposed site investigation commencement. 05/30/2017

Proposed completion of site investigation.

REMEDIAL ACTION DATES

Proposed start date of Remediation.

Proposed date of completion of Remediation.

Per Rule 913.d.(2): Any change from the approved implementation schedule will be requested at least 14 days in advance, and the Operator may not make the change without the Director's approval.

[ ] Change from approved implementation schedule per Rule 913.d.(2).

Basis for change in implementation schedule:

OPERATOR COMMENT

This form serves as an update to sampling activities for REM #19156 since the submittal of the Initial Form 27 (Doc #402649082).

On April 29, 2021 soil samples were collected at SS1, SS2, SS5 and DGSS and analyzed for a modified list of parameters which included TPH, PAH, pH and EC. Results indicated no exceedances to Table 915-1 above local background levels.

The spill was allowed to naturally attenuate and all nine (9) original locations as well as one new location at the spill origin (FEE113X-ORIGIN) were sampled on November 16, 2024 for past overages to Table 915-1 as well as analytical parameter gaps between Table 910-1 and Table 915-1. Results indicate the only current exceedance to Table 915-1 standards above local background levels is TPH at the origin. Please see the attached documents for sample locations, depths and analytical results.

A small scale cleanup of TPH at the ORIGIN is tentatively scheduled for 2025 and a confirmation sample will be collected. A reduced analyte list of TPH only is requested for all future samples at this sample location.

At the same time that the confirmation sample at the ORIGIN is collected, further delineation will be conducted around SS5. It is proposed that two sampling locations will be added, one to the east and one to the west of SS5. These samples will be analyzed for full Table 915-1 parameters.

A Form 19 Closure Request (Doc #404124708) has been submitted with work proceeding under this Remediation Project.

Scout requests an annual reporting schedule for this project moving forward.

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

Signed: Cody Christian Title: HSE Coordinator I

Submit Date: Email: cody.christian@scoutep.com

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

ECMC Approved: Date:

Remediation Project Number: 19156

COA Type	Description
0 COA	

ATTACHMENT 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
404125514	SOIL SAMPLE LOCATION MAP
404125515	ANALYTICAL RESULTS
404125517	ANALYTICAL RESULTS
404125518	ANALYTICAL RESULTS
404125524	ANALYTICAL RESULTS

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)