FORM 27 Rev 5/22

State of Colorado
Energy & Carbon Management Commission

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Report taken by: Kari Brown

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: KERR MCGEE OIL & GAS ONSHORE LP Operator No: 47120
Address: P O BOX 173779
City: DENVER State: CO Zip: 80217-3779
Contact Person: Maxwell Moran Email: DJRemediation_Forms@oxy.com

Phone Numbers
Phone: (720) 929-4307
Mobile: ( )

PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 37427 Initial Form 27 Document #: 403944418

PURPOSE INFORMATION

- [ ] Rule 913.c.(1): Pit or Cuttings Trench closure.
- [X] 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.
- [X] 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

Yes Multiple Facilities

Facility Type: TANK BATTERY Facility ID: 488190 API #: County Name: WELD
Facility Name: Mleynek 28-10M,U 28-15JI,10JI TB Latitude: 40.104388 Longitude: -105.005877
** correct Lat/Long if needed: Latitude: Longitude:
QtrQtr: SWSE Sec: 28 Twp: 2N Range: 68W Meridian: 6 Sensitive Area? Yes

Facility Type: SPILL OR RELEASE Facility ID: 489498 API #: County Name: WELD
Facility Name: Mleynek 28-10M, U 28-15JI, 10JI Latitude: 40.104470 Longitude: -105.005940
** correct Lat/Long if needed: Latitude: Longitude:
QtrQtr: SWSE Sec: 28 Twp: 2N Range: 68W Meridian: 6 Sensitive Area? Yes

SITE CONDITIONS

General soil type - USCS Classifications: SM

Most Sensitive Adjacent Land Use: crop land

Is domestic water well within 1/4 mile? Yes

Is surface water within 1/4 mile? Yes

Is groundwater less than 20 feet below ground surface? Yes

Other Potential Receptors within 1/4 mile

Domestic Water well: Approx. 1,077 feet northwest of the facility.
Surface water: Approx. 39 feet west of the facility.
Wetlands: An area with wetland characteristics approx. 948 feet southeast of the facility.
Springs: none
Livestock: No livestock pens within 1/4 mile of facility.
Occupied Building: Approx. 1180 feet southeast of the facility.
High Priority Habitat: This facility is not located within a High Priority Habitat.

SITE INVESTIGATION PLAN

TYPE OF WASTE:

- [X] **E&P Waste**
  - [X] Produced Water
  - [X] Oil
  - [X] 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
UNDETERMINED	GROUNDWATER	TBD	Groundwater samples/laboratory analytical results
Yes	SOILS	TBD	Inspection/soil samples/laboratory analytical results

INITIAL ACTION SUMMARY

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

Decommissioning activities were completed at the Mleynek 28-10M, U 28-15JI,10JI Facility on February 19, 2025. Groundwater was not encountered during excavation activities. Visual inspection and field screening of soils at one separator, one produced water vessel (PWV), and one above ground storage tank (AST) was conducted following removal activities and soil samples (AST-B01@3", PW-B01@5', PW-E01@2.5', SEP-B01@4', and SEP-B02@4') were submitted for laboratory analysis to determine if a release occurred. Laboratory analytical results indicated that pH and SAR in soil sample AST-B01@3", 1,2,4-TMB, 1-meth., and 2-meth. in soil sample PW-B01@5', and pH in soil samples PW-E01@2.5', SEP-B01@4', and SEP-B02@4' exceeded ECMC Table 915-1 and/or site specific background limits. As such, a Form 19-Initial/Supplemental Spill/Release Report (ECMC Document No. 04119176) was submitted on March 7, 2025, and the ECMC issued Spill/Release Point ID 489498. Verification soil samples AST-B01V@3", PW-E01V@2.5', SEP-B01V@4', and SEP-B02V@4' were collected to verify the pH and/or SAR exceedances. Laboratory analytical results indicated that the pH concentration in soil sample AST-B01V@3" exceeded ECMC Table 915-1 and/or site specific background limits and that the remaining constituent concentrations in the verification soil samples were compliant with Table 915-1 and/or site specific background limits. A topographic Site Location Map showing the geographic setting of the site location is provided as Figure 1. Soil sample location and field screening data is presented in Table 1. The facility soil sample and field screening locations are illustrated on Figure 2. The photographic log is provided as Attachment B.

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):

On February 19, 2025, soil samples were collected from the base (PW-B01@5') and sidewall (PW-E01@2.5') of the PWV excavation, the separator excavation (SEP-B01@4' and SEP-B02@4'), and beneath the former AST (AST-B01@3"). The soil samples were submitted for laboratory analysis of the full ECMC Table 915-1. Laboratory analytical results indicated that pH and SAR in soil sample AST-B01@3", 1,2,4-TMB, 1-meth., and 2-meth. in soil sample PW-B01@5', and pH in soil samples PW-E01@2.5', SEP-B01@4', and SEP-B02@4' exceeded ECMC Table 915-1 and/or site specific background limits. Verification soil samples AST-B01V@3", PW-E01V@2.5', SEP-B01V@4', and SEP-B02V@4' were collected to verify the pH and/or SAR exceedances and analytical results indicated that a pH exceedance in soil sample AST-B01V@3" remained. Additional excavation and assessment activities will be summarized in a forthcoming Form 27-Supplemental.

Proposed Groundwater Sampling

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

Groundwater has not been encountered during decommissioning activities to date. If groundwater is encountered during additional decommissioning activities, a minimum of one grab sample will be collected as soon as practical. Groundwater samples will be submitted to an accredited laboratory for all analytes listed in ECMC Table 915-1 Organic Compounds in Groundwater (benzene, toluene, ethylbenzene, total xylenes (BTEX), naphthalene, 1,2,4-trimethylbenzene (1,2,4 – TMB), and 1,3,5-tremethylbenzene (1,3,5 – TMB)) and Groundwater Inorganic Parameters (total dissolved solids (TDS), chloride, and sulfate) using standard methods appropriate for detecting the target analytes in ECMC Table 915-1.

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):

On February 19, 2025, visual inspections and field screening of soils was conducted at three sidewalls of the PWV excavation and one former AST location. Based on the inspection and screening results, hydrocarbon-impacted soils were not observed at the soil screening locations. As a result, no soil samples were submitted for laboratory analysis from these areas in accordance with the ECMC Operator Guidance for Oil & Gas Facility Closure document. Soil sample location and field screening data are presented in Table 1. Soil analytical results are summarized in Tables 2 through 5. The soil sample and field screening locations are illustrated on Figure 2. The photographic log is provided as Attachment B.

SITE INVESTIGATION REPORT

SAMPLE SUMMARY

Soil

Number of soil samples collected: 9
Number of soil samples exceeeding 915-1: 9
Was the areal and vertical extent of soil contamination delineated? No
Approximate areal extent (square feet): 135

NA / ND

-- Highest concentration of TPH (mg/kg): 199.2
-- Highest concentration of SAR: 32.7
BTEX > 915-1: No
Vertical Extent > 915-1 (in feet): 5

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?

☒ Were background samples collected as part of this site investigation?

Background soil samples (PW-BG01@3" - PW-BG08@3", PW-BG01@3' - PW-BG04@3', and PW-BG01@6' - PW-BG04@6') were collected from native non-impacted material near the tank battery. The background samples were submitted for laboratory analysis of the Soil Suitability for Reclamation Parameters and ECMC Table 915-1 Metals using standard methods appropriate for detecting target analytes in Table 915-1. Background soil analytical results are presented in Tables 3 and 5. Background soil sample locations are illustrated on Figure 2.

☐ 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?

Additional excavation and assessment activities to address the pH exceedance in soil sample AST-B01@3" and 1, 2, 4-TMB, 1-meth., and 2-meth. exceedances in soil sample PW-B01@5' will be summarized in a forthcoming Form 27-Supplemental.

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.

Additional excavation and assessment activities to address the pH exceedance in soil sample AST-B01@3" and 1, 2, 4-TMB, 1-meth., and 2-meth. exceedances in soil sample PW-B01@5' will be summarized in a forthcoming Form 27-Supplemental.

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.

Additional excavation and assessment activities to address the pH exceedance in soil sample AST-B01@3" and 1, 2, 4-TMB, 1-meth., and 2-meth. exceedances in soil sample PW-B01@5' will be summarized in a forthcoming Form 27-Supplemental.

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 ECMC 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

Approved Reporting Schedule:

[X] 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

[X] Other Progress Report

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.

KMOG has sufficient insurance and bonding to fully address the anticipated costs of Remediation, including the remaining estimated costs for this project. KMOG currently has over 40 million in bonds with the Energy and Carbon Management Commission. The cost for remediation is a preliminary estimate only, costs may change upwards or downward based on site-specific information. KMOG makes no representation or guarantees as to the accuracy of the preliminary estimate.

Operator anticipates the remaining cost for this project to be: $ 13500

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.

The site will be reclaimed in accordance with ECMC 1000 Series Reclamation Rules.

Is the described reclamation complete?

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

☐ 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. 08/06/2024

Actual Spill or Release date, or date of discovery. 03/07/2025

SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 02/19/2025

Proposed site investigation commencement. 02/19/2025

Proposed completion of site investigation. 12/31/2025

REMEDIAL ACTION DATES

Proposed start date of Remediation. 03/07/2025

Proposed date of completion of Remediation. 12/31/2025

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

Per COA on previous Form 19 submittal (Doc. No. 404119176), a quarterly reporting schedule will be adhered to for this project. The Spill ID associated with this form is included and Rule 913.c(3): Remediation of Spill and Releases pursuant to Rule 912 has been selected on this form.

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

Signed: Maxwell Moran Title: Environmental Advisor

Submit Date: 09/05/2025 Email: DJRemediation_Forms@oxy.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: Kari Brown Date: 01/21/2026

Remediation Project Number: 37427

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
404295354	FORM 27-SUPPLEMENTAL-SUBMITTED
404295532	SITE MAP
404295533	SOIL SAMPLE LOCATION MAP
404295536	PHOTO DOCUMENTATION
404295538	LABORATORY ANALYTICAL REPORT
404295540	LABORATORY ANALYTICAL REPORT
404295542	LABORATORY ANALYTICAL REPORT
404295543	LABORATORY ANALYTICAL REPORT
404310444	ANALYTICAL DATA SUMMARY TABLE(S)

Total Attach: 9 Files

General Comments

User Group	Comment	Comment Date
Environmental	ECMC selected Rule 913.c.(3): Remediation of Spill and Releases pursuant to Rule 912. in addition to the current selection.	01/21/2026

Total: 1 comment(s)