

State of Colorado
Energy & Carbon Management Commission

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Document Number:
404408348
Receive Date:
02/02/2026

Report taken by:
Nikki Graber

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 INFORMATION

Name of Operator: NOBLE ENERGY INC	Operator No: 100322	Phone Numbers
Address: 1099 18TH STREET SUITE 1500		Phone: (970) 304-5000
City: DENVER State: CO Zip: 80202		Mobile: ()
Contact Person: Lauren Hoff	Email: RBUEUF27@chevron.com	

PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 29328 Initial Form 27 Document #: 403397532

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.
- 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

Yes Multiple Facilities

Facility Type: WELL	Facility ID: _____	API #: 123-20939	County Name: WELD
Facility Name: ALEXANDER FEDERAL H 4-2JI	Latitude: 40.259572	Longitude: -104.665493	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: NWNE	Sec: 4	Twp: 3N	Range: 65W Meridian: 6 Sensitive Area? Yes

Facility Type: SPILL OR RELEASE	Facility ID: 492119	API #: _____	County Name: WELD
Facility Name: Alexander Federal H4-2JI	Latitude: 40.258539	Longitude: -104.666148	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: NWNE	Sec: 4	Twp: 3N	Range: 65W Meridian: 6 Sensitive Area? Yes

Facility Type: SPILL OR RELEASE Facility ID: 492120 API #: County Name: WELD
Facility Name: Alexander Federal H4-2JI Latitude: 40.259572 Longitude: -104.665508
** correct Lat/Long if needed: Latitude: Longitude:
QtrQtr: NWNE Sec: 4 Twp: 3N Range: 65W Meridian: 6 Sensitive Area? Yes

Facility Type: SPILL OR RELEASE Facility ID: 492811 API #: County Name: WELD
Facility Name: Alexander Federal H 4-2JI Latitude: 40.258638 Longitude: -104.665239
** correct Lat/Long if needed: Latitude: Longitude:
QtrQtr: NWNE Sec: 4 Twp: 3N Range: 65W Meridian: 6 Sensitive Area? Yes

Facility Type: SPILL OR RELEASE Facility ID: 492812 API #: County Name: WELD
Facility Name: Alexander Federal H 4-2JI Latitude: 40.259090 Longitude: -104.665423
** correct Lat/Long if needed: Latitude: Longitude:
QtrQtr: NWNE Sec: 4 Twp: 3N Range: 65W Meridian: 6 Sensitive Area? Yes

Facility Type: SPILL OR RELEASE Facility ID: 492813 API #: County Name: WELD
Facility Name: Alexander Federal H 4-2JI Latitude: 40.259382 Longitude: -104.665617
** correct Lat/Long if needed: Latitude: Longitude:
QtrQtr: NWNE Sec: 4 Twp: 3N Range: 65W Meridian: 6 Sensitive Area? Yes

SITE CONDITIONS

General soil type - USCS Classifications SW Most Sensitive Adjacent Land Use Grass 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? No

Other Potential Receptors within 1/4 mile

Riverine 0.03mi W, 0.07mi W, 0.09mi W, 0.24mi E
Freshwater Pond 0.21mi NE

SITE INVESTIGATION PLAN

TYPE OF WASTE:

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> E&P Waste | <input type="checkbox"/> Other E&P Waste | <input type="checkbox"/> Non-E&P Waste |
| <input checked="" type="checkbox"/> Produced Water | <input type="checkbox"/> Workover Fluids | _____ |
| <input checked="" type="checkbox"/> Oil | <input type="checkbox"/> Tank Bottoms | |
| <input checked="" 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
UNDETERMINED	GROUNDWATER	NA	Lab analysis and Field Screening if encountered
Yes	SOILS	Refer to Operator Comment	Lab analysis and Field Screening

INITIAL ACTION SUMMARY

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

Pursuant to ECMC Rule 911 a site investigation was conducted pertaining to the ALEX H FEDERAL 04-02JI wellhead cut and cap and flowline abandonment. The wellhead was cut and capped per ECMC rules. A soil sample was collected at the base of the excavation and field screens were collected at the N-E-S-W sides of the wellhead. On October 17, 2023, approximately 753 feet of flowline was removed and approximately 350 feet of flowline was abandoned-in-place (ABIP) due to agricultural operations (Form 44 Document Number 403628340). On January 14, 2026, the previously ABIP section of flowline was fully removed. Soil samples were taken along the flowline at any points of material change and/or hammer unions, at the bell holes on either side of a waterway, and at both ends of the abandoned-in-place section. A soil sample was collected at the separator flowline riser during the decommissioning of the associated Alexander Federal H4-2JI Tank Battery (REM #30894, ECMC Document #403658553).

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):

A grab soil sample was collected at the base of the excavation or the area showing the highest degree of impact during field screening activities at the wellhead excavation. Additionally, soil samples were field screened at the N-E-S-W sides of the wellhead. Soil samples were taken along the flowline at any points of material change and/or hammer unions, and at the bell holes on either side of a waterway. Soil samples were analyzed by a certified laboratory for TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons) organic compounds in soil per ECMC Table 915-1, and EC, SAR, pH, and boron. All samples collected were analyzed by a certified laboratory using approved ECMC laboratory analysis methods.

Proposed Groundwater Sampling

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

If groundwater is encountered, a grab groundwater sample will be collected and analyzed for all organic and inorganic compounds per ECMC Table 915-1; this sample analysis includes, but is not limited to BTEX, naphthalene, 1,2,4-trimethylbenzene (TMB), and 1,3,5-TMB, chloride and sulfate anions and total dissolved solids (TDS).

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):

Visual inspection of the wellhead and flowline areas occurred during decommissioning activities. Field personnel field screened all disturbed areas using visual and olfactory senses to determine if laboratory confirmation sampling was required. A detailed summary of wellhead decommissioning activities, including field notes, site photos, figures, and laboratory analytical results was attached to ECMC Document Number 403854637. The confirmation soil samples collected during wellhead cut and cap activities were determined to be outside of the required temperature preservation range when delivered to the laboratory. A detailed summary of wellhead resampling and flowline decommissioning activities will be included on a subsequent Form 27.

SITE INVESTIGATION REPORT

SAMPLE SUMMARY

Soil

Number of soil samples collected 0
Number of soil samples exceeding 915-1 _____
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 > 915-1 _____
Vertical Extent > 915-1 (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 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?

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?

Between January 14 and 21, 2026, flowline removal, supplemental site investigation, and remedial excavation activities were conducted at the Alexander Federal H4-2JI wellhead and flowline location. Final analytical results are pending at the time of this submittal. A detailed summary of January 2026 field activities will be submitted on a subsequent Form 27 as soon as possible upon the receipt of final analytical results, and further site investigation activities will be proposed as necessary.

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.

Flowline abandonment activities were completed on October 17, 2023. Analytical results indicated that the benzo(a)anthracene concentrations observed at FL01-A and FL01-E were in exceedance of the ECMC regulatory standard. Due to a clerical error, the results of flowline abandonment activities were not previously reported. The lab report was originally issued by Summit Scientific on October 26, 2023. Due to the shutdown of the Summit Scientific laboratory, an encrypted version of the lab report is unable to be obtained (as noted in the approved Form 19 Document Numbers 404408073 and 404407807). Spill ID Numbers 492120 (FL01-A) and 492119 (FL01-E) were generated for the releases on November 5, 2025.

REMEDICATION 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.

Between January 14 and 15, 2026, the entirety of the flowline was removed and samples were collected along the previously ABIP section of the flowline and on either side of the waterway. Additionally, the samples collected during the 2023 flowline abandonment activities (aside from FL01-A and FL01-E) were re-collected due to the lack of an encrypted lab report for those samples.

On January 15, 2026, remedial excavation activities were conducted in the vicinity of soil samples FL01-A and FL01-E to remove the organic exceedances observed during 2023 decommissioning activities. Soil samples were collected from the base and sidewalls of the final excavation extents.

Partial analytical results for samples collected along the ABIP section of flowline indicated that organic compound concentrations were in exceedance of ECMC standards at three additional locations (FL01-F-R, FL01-G, and FL01-J). Form 19 Document Numbers 404509620 (FL01-F-R), 404510039 (FL01-G), and 404510062 (FL01-J) were submitted on January 16, 2026, and Spill ID Numbers 492811 (FL01-F-R), 498812 (FL01-G), and 492813 (FL01-J) were generated for the releases.

Between January 20 and 21, 2026, remedial excavation activities were conducted in the vicinity of the aforementioned reportable locations. Soil samples were collected from the base and sidewalls of the final excavation extents.

All samples collected during the January 2026 flowline removal, supplemental site investigation, and remedial excavation activities were submitted for analysis of the full ECMC Table 915-1 suite.

Final analytical results are pending at the time of this submittal. A detailed summary of January 2026 field activities will be submitted on a subsequent Form 27 as soon as possible upon the receipt of final analytical results, and further site investigation activities will be proposed as necessary.

Soil Remediation Summary

In Situ

Ex Situ

_____ Bioremediation (or enhanced bioremediation)

Yes _____ Excavate and offsite disposal

_____ Chemical oxidation

_____ If Yes: Estimated Volume (Cubic Yards) _____ 160

_____ Air sparge / Soil vapor extraction

_____ Name of Licensed Disposal Facility or ECMC Facility ID # _____

_____ 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.

Groundwater was not encountered during decommissioning, site investigation, or remedial excavation activities.

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 First Quarter 2026 Timeline Update

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.

Noble intends to directly address the costs of remediation at the locations as part of our asset retirement obligation process and operations. Noble has general liability insurance (policies MWZZ316714 and MWZX316724) and financial assurance in compliance with ECMC rules. Records are available on the ECMC's website. The cost for remediation is an estimate only, costs may change upwards or downward based on site-specific information. Noble makes no representation or guarantees as to the accuracy of the estimate.

Operator anticipates the remaining cost for this project to be: \$ 50000

WASTE DISPOSAL INFORMATION

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

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

No beneficial use.

Volume of E&P Waste (solid) in cubic yards 160

E&P waste (solid) description Hydrocarbon impacted soil

ECMC Disposal Facility ID #, if applicable: _____

Non-ECMC Disposal Facility: Waste Management - Buffalo Ridge

Volume of E&P Waste (liquid) in barrels 0

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 reseeded program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing.

Following facility closure activities at the wellhead, the location was backfilled, compacted, and re-contoured to match pre-existing conditions. The location will be reclaimed in accordance with the ECMC 1000 series.

Is the described reclamation complete? Yes _____

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? No _____

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

Did the local soil conservation district provide the seed mix? No _____

SITE RECLAMATION DATES

Proposed date of commencement of Reclamation. 05/02/2024

Proposed date of completion of Reclamation. 12/31/2027

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. 03/29/2023

Actual Spill or Release date, or date of discovery. 10/26/2023

SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 10/17/2023

Proposed site investigation commencement. 01/14/2026

Proposed completion of site investigation. 01/21/2026

REMEDIAL ACTION DATES

Proposed start date of Remediation. 01/21/2026

Proposed date of completion of Remediation. 10/21/2026

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:

The implementation schedule has been changed due to the completion of decommissioning, site investigation, and remedial excavation activities at the site. Final analytical results are pending at the time of this submittal. A detailed summary of January 2026 field activities will be submitted on a subsequent Form 27 as soon as possible upon the receipt of final analytical results, and further site investigation activities will be proposed as necessary.

OPERATOR COMMENT

This Form 27 is being submitted as a first quarter 2026 timeline update for the completion of flowline removal, supplemental site investigation (SSI), and remedial excavation activities at the Alexander Federal H4-12JI wellhead and flowline location.

Flowline abandonment activities were completed on October 17, 2023. Analytical results indicated that the benzo(a)anthracene concentrations observed at FL01-A and FL01-E were in exceedance of the ECMC regulatory standard. Due to a clerical error, the results of flowline abandonment activities were not previously reported. The lab report was originally issued by Summit Scientific on October 26, 2023. Due to the shutdown of the Summit Scientific laboratory, an encrypted version of the lab report is unable to be obtained (as noted in the approved Form 19 Document Numbers 404408073 and 404407807). Spill ID Numbers 492120 (FL01-A) and 492119 (FL01-E) were generated for the releases on November 5, 2025.

Between January 14 and 15, 2026, the entirety of the flowline was removed and samples were collected along the previously ABIP section of the flowline and on either side of the waterway. Additionally, the samples collected during the 2023 flowline abandonment activities (aside from FL01-A and FL01-E) were re-collected due to the lack of an encrypted lab report for those samples.

On January 15, 2026, remedial excavation activities were conducted in the vicinity of soil samples FL01-A and FL01-E to remove the organic exceedances observed during 2023 decommissioning activities. Soil samples were collected from the base and sidewalls of the final excavation extents.

Partial analytical results for samples collected along the ABIP section of flowline indicated that organic compound concentrations were in exceedance of ECMC standards at three additional locations (FL01-F-R, FL01-G, and FL01-J). Form 19 Document Numbers 404509620 (FL01-F-R), 404510039 (FL01-G), and 404510062 (FL01-J) were submitted on January 16, 2026, and Spill ID Numbers 492811 (FL01-F-R), 498812 (FL01-G), and 492813 (FL01-J) were generated for the releases.

Between January 20 and 21, 2026, remedial excavation activities were conducted in the vicinity of the aforementioned reportable locations. Soil samples were collected from the base and sidewalls of the final excavation extents.

All confirmation samples collected during the January 2026 flowline removal, SSI, and remedial excavation activities were submitted for analysis of the full ECMC Table 915-1 suite.

Final analytical results are pending at the time of this submittal. A detailed summary of January 2026 field activities will be submitted on a subsequent Form 27 as soon as possible upon the receipt of final analytical results, and further site investigation activities will be proposed as necessary. The COCs for samples collected during January 2026 field sampling activities are attached to this Form 27 for reference.

All unaddressed COAs issued on previously submitted Form 19 and Form 27 documents associated with this remediation project will be addressed on the subsequent Form 27 immediately upon receipt of final analytical results.

Pursuant to Rule 913.e, Supplemental Form 27s will be submitted on a quarterly schedule to provide updates and progress of the remediation until closure criteria is met.

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

Signed: Jimmy Webster

Title: Environmental Consultant

Submit Date: 02/02/2026

Email: tas-chevron-2@tasman-geo.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: Nikki Graber

Date: 02/09/2026

Remediation Project Number: 29328

COA Type

Description

<u>COA Type</u>	<u>Description</u>
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

404408348	INVESTIGATION/REMEDATION WORKPLAN (SUPPLEMENTAL)
404527031	OTHER
404527032	OTHER
404527034	OTHER
404527035	OTHER
404527037	OTHER
404538592	FORM 27-SUPPLEMENTAL-SUBMITTED

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	ECMC has processed this form as an update; no analytical was attached thus approval of this form does not imply any agreement with comments on completion of site investigation. All ongoing/unaddressed comments/COAs from previous Forms remain applicable. A full report is due with the next Form 27.	02/09/2026

Total: 1 comment(s)