North Dakota Air Pollution Control General Permit Application Guidance for Oil and Gas Production Facilities

North Dakota Department of Environmental Quality

Division of Air Quality

Effective Date: July 1, 2025

Disclaimer: The North Dakota Department of Environmental Quality (Department) is issuing this guidance to assist owners and operators of oil and gas production facilities with the application and compliance requirements as described in the Air Pollution Control General Permit for Oil and Gas Production Facilities (GP-OG). This document is not intended to supersede any regulatory requirements, or the permit conditions as described in the GP-OG. The Department does not assume liability for any omissions or errors regarding the information provided within this guidance.

Through the guidance, several third-party resources are provided to help strengthen the readers understanding of regulatory text. These resources incorporate artificial intelligence (AI) tools and may contain errors or omissions. Anything noted to be generated through AI will be marked as such in this guidance. These resources are not legal advice. Additionally, the Department does not guarantee the accuracy or endorse the reliability or completeness of third-party material(s).

Table of Contents

1. Introduction

This guidance document identifies eligible air pollution stationary sources which may be granted coverage under the North Dakota Air Pollution Control General Permit for Oil and Gas Production Facilities (GP-OG). In addition, this document outlines: the appropriate methodology for submitting a complete permit application to the North Dakota Department of Environmental Quality (Department), summarizes information regarding all necessary GP-OG recordkeeping and reporting, and discusses topics that may assist owners / operators in ensuring they maintain compliance with state rules and federal regulations. Applicants are strongly encouraged to read the GP-OG and this document prior to completing any permitting and / or compliance actions. If any discrepancies are noted between this guidance, the Department's online database system's (CERIS-ND) submission forms, and the GP-OG; the GP-OG prevails.

2. Eligibility

The GP-OG has been developed for North Dakota oil and gas production facilities in non-Indian Country. An oil and gas production facility is defined as "all equipment, wells, flow lines, separators, treaters, tanks, flares, gathering lines, and auxiliary non transportation-related equipment used in the exploration, development, or subsequent production or handling of oil and gas from an oil or gas well or wells which are located on one or more contiguous or adjacent surface properties, and are under the control of the same person (or persons under common control)." Oil and gas production facilities that are in the process of completing a new well or recompleting an existing well will become eligible for the GP-OG upon submission of a complete and satisfactory *Air Oil and Gas General Permit Application / Well Registration*. Upon verification of a complete and satisfactory submission, the Department will issue the GP-OG via the facility's CERIS-ND site page.

Existing oil and gas production facilities that have previously registered a well(s) or modified a facility's registration, through CERIS-ND, will be eligible for the GP-OG after administrative review by the Department. Upon verification that the information submitted in the most recent registration / registration modification satisfactorily meets all permit conditions, the Department will issue the GP-OG via the facility's CERIS-ND site page. <u>This issuance will not require any action on behalf of the owner / operator of the facility unless otherwise stated by the Department</u>.

Existing oil and gas production facilities that have not previously submitted a registration or registration modification to the Department, through CERIS-ND, will become eligible for the GP-OG upon successful completion of the *Air Oil and Gas Facility Potential to Emit (PTE) Report* as subscribed by the Department. The Department reserves the right to issue the GP-OG to existing oil and gas production facilities through alternative means.

<u>Facilities owned or operated by applicants that have not paid all fees owed to the Department or that are not in substantial compliance with the North Dakota Administrative Code (NDAC), state rules, federal regulations, and / or the terms of any existing Department permits and orders, are not eligible for this permit.</u>

3. GP-OG - Standard Processes

3.1 New or Existing Facilities with New Well Completion(s) / Recompletion(s)

No later than two days prior to any planned well completion activities, the owner / operator will submit an "*Air Oil & Gas General Permit Application / Well Registration*" (GP-OG Application, Appendix A) through CERIS-ND. Upon receiving the application, the Department will review the information for completeness and accuracy. If deemed acceptable, a GP-OG will be issued to the owner / operator of the corresponding facility. By submitting a complete GP-OG Application, an owner / operator fulfills the registration and reporting requirements of NDAC 33.1-15-20-02(1) as well as the Well Completion Notification requirement of 40 CFR 60.5420b(a)(2).

Once the GP-OG is obtained, the owner / operator must notify the Department within 30 days following the startup of production of the facility by completing and submitting the "*Air Oil & Gas Startup of Production Notification*" (startup notification, Appendix B) in CERIS-ND. This startup notification prompts Department staff to assign an *Air Oil & Gas Facility Potential to Emit (PTE) Report* form (PTE Report, Appendix C). For additional information regarding startup notification, please refer to the Startup of Production in the Compliance Notification section below.

To fulfill the final requirement of the application process (Figure 1), the permittee shall submit the PTE Report to the Department within 90 days following startup of production of the facility. The PTE Report should be used to submit initial PTE data for the permitted facility. The submittal of this form satisfies Condition 4.A.5 of the General Permit for Oil and Gas Production Facilities (GP-OG v1.0). This form also supplements the previously submitted GP-OG Application to satisfy Section 33.1-15-20-02.1. of the ND Air Pollution Control Rules.

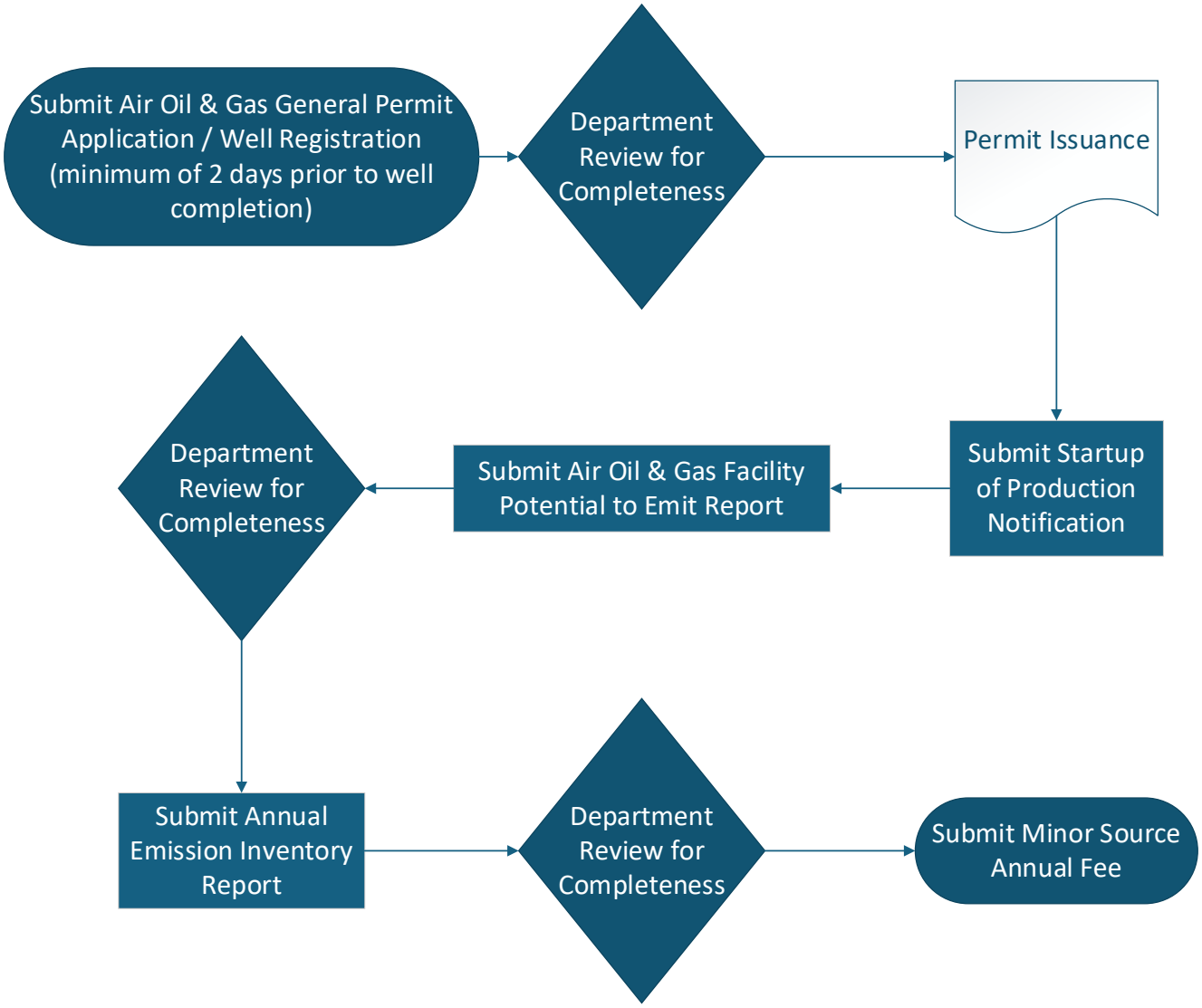


Figure 1: GP-OG Obtainment Process Flowchart for New or Existing Facilities with New Well Completion(s) / Recompletion(s)

3.2 Existing Facilities Previously Registered in CERIS-ND

The Department has reviewed all registrations and registration modifications for existing facilities submitted into CERIS-ND to ensure the affected facilities (equipment) at the existing oil and gas production facilities meet all applicable regulatory requirements. In addition, the Department has reviewed facility emissions on an initial and continuous basis to ensure all existing facilities registered through CERIS-ND do not exceed the prevention of significant deterioration (PSD) major source thresholds. Taking this into consideration, it is the Department's expectation that all facilities in this category will meet the permit conditions as described in the GP-OG. Therefore, the Department will conduct an administrative review of all facilities in this category and issue the GP-OG upon verification that the information submitted in the most recent registration / registration modification satisfactorily meets all permit conditions. This issuance will not require an application submittal on behalf of the owner / operator of the facility unless otherwise stated by the Department (Figure 2).

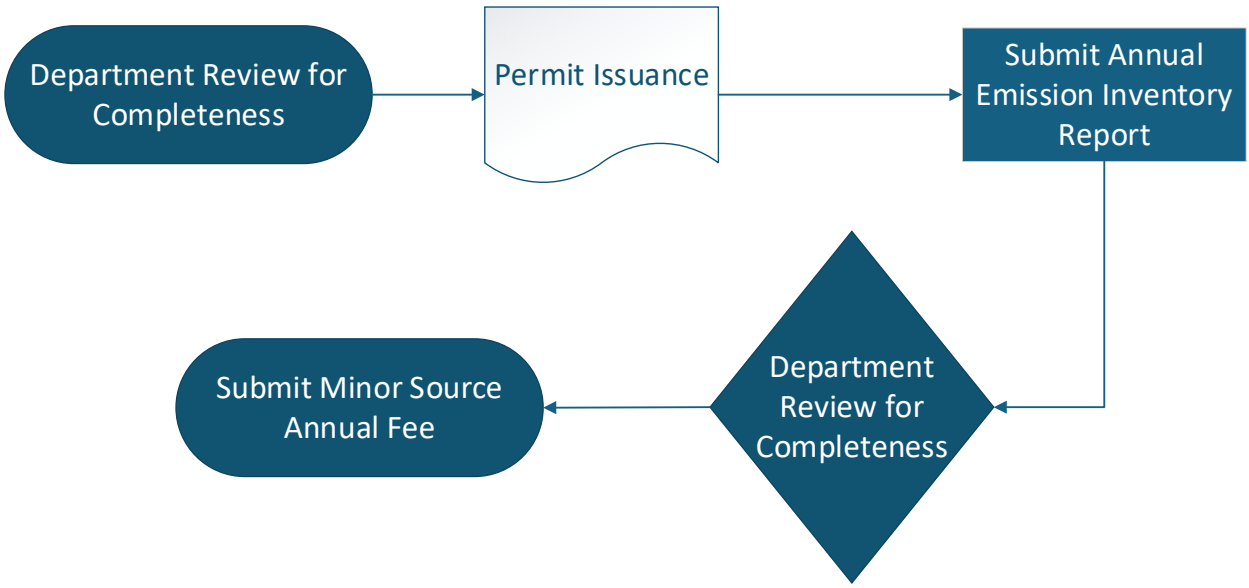


Figure 2: GP-OG Obtainment Process Flowchart for Existing Facilities Previously Registered in CERIS-ND

3.3 Existing Facilities Not Previously Registered in CERIS-ND

Prior to the implementation of CERIS-ND, the Department did not have a formal review process for registration submittals. In addition, due to industry volatility and significant changes in the regulatory climate, it is the Department's expectation that many of the registrations submitted prior to the implementation of CERIS-ND deviate significantly from the current status of the represented facility. As a result of this uncertainty, a determination on GP-OG compliance cannot be made for facilities in this category without additional information. To obtain the necessary information, the Department will be issuing "*Air Oil & Gas Facility Potential to Emit (PTE) Report*" forms (Appendix C) on a case-by-case basis to facilities in this category. Successful completion of this form will result in the Department issuance of the GP-OG (Figure 3).

The Department is aware of the large number of sources that exist in this category and the extent of the work necessary to achieve eligibility for all facilities through this mechanism. Therefore, the Department reserves the right to issue the GP-OG to existing oil and gas production facilities through alternative means as new methods of review are developed.

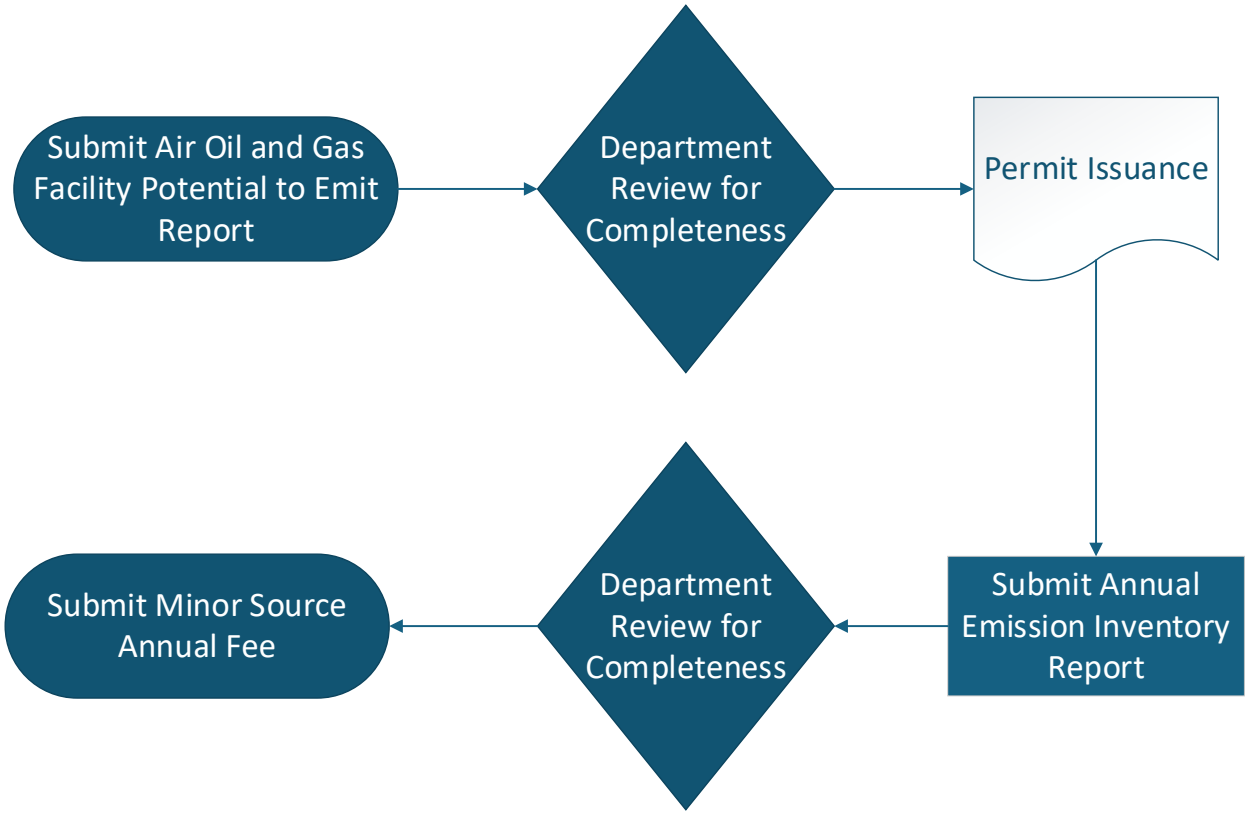


Figure 3: GP-OG Obtainment Process Flowchart for Existing Facilities Not Previously Registered in CERIS-ND

4. Air Oil and Gas General Permit Application / Well Registration

The Department has developed the "*Air Oil & Gas General Permit Application / Well Registration*" form (GP-OG Application, Appendix A) as the preliminary mechanism for obtainment of the GP-OG. This form shall be submitted by all new oil and gas production facilities or any existing oil and gas production facility with a new well(s) or recompleted well(s) through CERIS-ND at the facility site level on or after July 1, 2025. As stated previously, this submission also fulfills the registration and reporting requirements of NDAC 33.1-15-20-02(1) as well as the Well Completion Notification requirement of 40 CFR 60.5420b(a)(2). Within this submission, the applicant is expected to supply the Department with the following elements regarding the facility:

1. Company Information
    a. Owner / Operator Name
    b. Company Address
    c. Responsible Official
    d. Contact Person for Air Pollution Matters
2. Facility Information
    a. Facility Name
    b. Facility County Location
    c. Facility GPS Coordinates
    d. Facility PLSS Location
3. Well(s) Information
    a. NDIC Well File Number(s)
    b. Well API Number(s)
    c. Well Name(s)
    d. Well Status(es)
    e. Anticipated Well Completion Dates(s)
    f. Anticipated Well Flowback Date(s)
    g. Anticipated Start-up of Production Date(s)
    h. Well(s) GPS Coordinates
    i. Well PLSS Locations
4. Applicable Air Programs
    a. Federal Air Programs
        i. New Source Performance Standards Applicability
        ii. National Emissions Standards for Hazardous Air Pollutants Applicability
    b. North Dakota State Rules
5. Acceptance of GP-OG Specific Conditions

The GP-OG Application should be submitted two days prior to well completion / recompletion at the applicable facility to ensure regulatory compliance with 40 CFR 60.5420b(a)(2).

5. Standard Compliance Notifications / Reports

It is the Department's expectation that all new and existing facilities with new or recompleted wells will submit the compliance notifications / reports included in this section through CERIS-ND. Existing facilities who are issued the GP-OG will be assigned the necessary compliance notifications / reports in this section through CERIS-ND on a case-by-case basis, as determined by the Department.

5.1 Startup of Production

As defined in 40 CFR 60, Subpart OOOOb, startup of production means the beginning of initial flow following the end of flowback when there is continuous recovery of salable quality gas and separation and recovery of any crude oil, condensate, or produced water, except as otherwise provided in this definition. For the purposes of the fugitive monitoring requirements of § 60.5397b, *startup of production* means the beginning of the continuous recovery of salable quality gas and separation and recovery of any crude oil, condensate, or produced water.

Owners / operators must notify the Department within 30 days following the startup of production of the facility or well(s). If more than one well has been completed / recompleted, notification must be provided within 30 days following the startup of production of the final well. Notification must be provided via CERIS-ND by completing the "*Air Oil & Gas Startup of Production Notification"* form (Appendix B) at the facility site level.

5.2 Oil and Gas Facility Potential to Emit (PTE) Report

Permit Condition 4.A.2 of the GP-OG states the permittee shall determine the sitewide potential to emit projection for the facility. In accordance with Condition 4.A.5, this emission data must be submitted to the Department within 90 days following the startup of production of the facility. These Conditions have been put in place to ensure permitted facilities achieve compliance with NDAC 33.1-15-20-02(1). If more than one well at a facility has achieved startup of production within a two-month time period, the emissions data should be supplied to the Department within 90 days of the startup of production of the final well.

To ensure the emissions data contains sufficient information to determine facility compliance with the GP-OG and regulatory requirements, the Department has developed the "*Air Oil & Gas Facility Potential to Emit (PTE) Report*" form (Appendix C). The permittee must submit the following information for the Department to make a completeness and accuracy determination and to satisfy NDAC 33.1-15-20-02(1):

1. Facility Information
    a. Facility Name
    b. Contact Person for Air Pollution Matters
2. Well Information
    a. Well NDIC File Number(s)
    b. Well Startup of Production Date(s)

3. Facility Potential to Emit Estimate
    a. Tons per Year Without Fugitive Emissions for the Following Pollutants:
        i. NOx, CO, VOCs, SO_2, PM_{tot}, PM_{10}, $PM_{2.5}$, Total HAPs
    b. Tons per Year with Fugitive Emissions for the Following Pollutants:
        i. NOx, CO, VOCs, SO_2, PM_{tot}, PM_{10}, $PM_{2.5}$, Total HAPs
    c. Supporting Calculations
4. Facility Process Equipment Information and Production Information
    a. Oil Production
    b. Produced Water Production
    c. Gas Production
    d. Anticipated Produced Gas Volume(s) Sent to Flare
    e. Control Device Type / Efficiency
    f. Facility Equipment Counts
5. High Pressure Gas Specifications
    a. Permit Number
    b. Gas Sample ID Number
    c. Sample Methodology
    d. Sample Date
    e. Laboratory Analysis Methodology
    f. Analysis Date
    g. Gas Molecular Weight
    h. Gas Higher Heating Value
    i. Gas Lower Heating Value
    j. Percent Weight Composition of VOCs in Gas Sample
    k. Percent Weight Composition of HAPs in Gas Sample
    l. Percent Weight Composition of the Following Individual Components:
        i. Methane
        ii. Ethane
        iii. Propane
        iv. Butane (s) (Combined)
        v. Pentane Plus Hydrocarbons
    m. Supporting Laboratory Analysis
6. Low Pressure / Flash Gas Specifications
    a. Process Simulation Specifications
        i. Tank Vapor Emission Factor
        ii. Percent Weight Composition of the Following Individual Components:
        iii. Methane
        iv. Ethane
        v. Propane
        vi. Butane (s) (Combined)
        vii. Pentane Plus Hydrocarbons

OR

b. Laboratory Analysis
    i. Tank Vapor Emission Factor
    ii. Permit Number
    iii. Gas Sample ID Number
    iv. Sample Methodology
    v. Sample Date
    vi. Laboratory Analysis Methodology
    vii. Analysis Date
    viii. Gas Molecular Weight
    ix. Gas Higher Heating Value
    x. Gas Lower Heating Value
    xi. Percent Weight Composition of VOCs in Gas Sample
    xii. Percent Weight Composition of HAPs in Gas Sample
    xiii. Percent Weight Composition of the Following Individual Components:
        1. Methane
        2. Ethane
        3. Propane
        4. Butane (s) (Combined)
        5. Pentane Plus Hydrocarbons
    xiv. Supporting Laboratory Analysis

    OR

c. Bakken Default Emission Factor Verification / Agreement.

5.3 Annual Emission Inventory Report

Permit Condition 4.B of the GP-OG states the permittee shall submit an annual emission inventory report (AEIR) for all onsite equipment. Furthermore, this AEIR must be submitted on a Department approved form. To accomplish this, the Department has developed an AEIR template which shall be used by all oil and gas production facilities permitted under the GP-OG. This document should be submitted as supporting documentation within the "*Air Oil & Gas Bulk Annual Emissions Inventory Report"* form (Appendix D) at the company's general file via CERIS-ND.

6. Exceptional Compliance Notifications / Reports

The compliance notifications / reports included in this section shall be submitted, or will be assigned, on a case-by-case basis to address exceptional compliance requirements that are outside of the standard compliance requirements.

6.1 Title V Emission Threshold Exceedance

If an oil and gas production facility exceeds the Title V emissions threshold (≥100 TPY of any criteria pollutant, ≥25 TPY of combined HAPs or ≥10 TPY of a single HAP), the permittee must notify the Department within 60 days of the date the exceedance occurred. Notification must be provided via CERIS-ND by completing the "*Air Oil & Gas Title V PTO Program: Notification, Application, or Rescindment"* form (Appendix E) at the facility site level. A complete Title V application (Permit Application Form) must be submitted within 12 months of the date the exceedance occurred unless the Title V Source status has been successfully rescinded. A Title V application can be submitted via CERIS-ND by completing the "*Air Oil & Gas Title V PTO Program: Notification, Application, or Rescindment"* form (Appendix F), if not submitted with the initial notification of exceedance.

While operating as a Title V major source, the permittee must meet the monthly emissions tracking requirements as detailed in Condition 4.B.1 of the GP-OG.

6.2 Title V Source Status Rescindment

If an oil and gas production facility, that has previously submitted a Title V application, falls below the Title V emissions threshold (≤100 TPY of any criteria pollutant, ≤25 TPY of combined HAPs or ≤10 TPY of a single HAP), notification must be provided via CERIS-ND by completing the "*Air Oil & Gas Title V PTO Program: Notification, Application, or Rescindment"* form (Appendix G) at the facility site level. Documentation in support of the rescindment request, including emissions data, must be attached to the form.

If an oil and gas production facility, that has not previously submitted a Title V application, falls below the Title V emission threshold, notification must be provided via CERIS-ND by completing the "*Air Oil & Gas Title V PTO Program: Notification, Application, or Rescindment"* form (Appendix H) at the facility site level. The rescindment request must be submitted within 12 months of the date the Title V threshold exceedance occurred. Documentation in support of the rescindment request, including emissions data, must be attached to the form.

6.3 PSD Exceedance

If an oil and gas production facility exceeds the PSD thresholds (≥250 TPY of any air contaminant regulated under North Dakota Century Code Chapter 23-25 or ≥100,000 TPY of greenhouse gases), then the permittee must notify the Department the first business day following the date the exceedance was determined using the "*Air General Compliance Submittal"* form (Appendix I) at the facility site level in CERIS-ND.

Immediate action must be taken at the facility to reduce emissions and shut in the facility until necessary preconstruction approvals or permits are received by the permittee from the Department.

6.4 Notification of Malfunction

Per NDAC 33.1-15-01-13(2)(a), the permittee must notify the Department as soon as possible when a malfunction of any equipment (i.e., control device, storage vessel, auxiliary equipment, etc.) occurs that is expected to last longer than twenty-four hours and may cause excess emissions in violation of any applicable rule or regulation. Notification shall be provided via CERIS-ND by completing the "*Air General Compliance Submittal"* form (Appendix I) at the facility site level.

Per NDAC 33.1-15-01-13(2)(b), the permittee must immediately notify the Department of any malfunction that would threaten health or welfare or pose imminent danger. During normal working hours the Department can be contacted at 701-328-5188. After hours the Department can be contacted through the twenty-four-hour state radio emergency number 1-800-472-2121. If calling from out of state, the twenty-four-hour number is 701-328-9921.

In the event of an unavoidable malfunction resulting in excess emissions, the permittee shall submit a written report as outlined in NDAC 33.1-15-01-13(2)(c) to the Department within 30 days of the end of the calendar quarter in which the malfunction occurred or within 30 days of request by the Department. The Department will use the information provided, and any supporting documentation supplied by the owner / operator, to make a determination on a case-by-case basis regarding the validity of the unavoidable equipment malfunction and the potential pursuit of further enforcement action. Notification shall be provided via CERIS-ND by completing the "*Air Unavoidable Malfunction Notification"* form (Appendix J) at the facility site level.

6.5 Change of Ownership Notification

The Department shall be notified within 30 days following any change of ownership. Notification must be provided by the NEW owner via CERIS-ND by completing the "*Air Oil & Gas Change of Ownership Notification"* form (Appendix K) under the company's general file. The notification must include the buyer / transferee company information, seller / transferor company information, effective date of transfer of permit responsibility, coverage, and liability, and a complete list of assets changing ownership. Upon review of the notification, the Department will determine whether to approve the transfer of the GP-OG to the new owner.

6.6 Stack Test Notifications & Reporting

The Department shall be notified, and a test protocol must be submitted at least 30 days prior to engine stack testing to allow sufficient time for the Department to review the test protocol, schedule a pre-test meeting (if necessary), and arrange for a Department representative to observe the test. Both the notification and protocol must be provided via CERIS-ND by completing the "*Air Stack / RATA Test Protocol Submission"* form (Appendix L) at the facility site level.

The final test report must be submitted within 60 days of test completion through CERIS-ND by completing the "*Air Stack Test Report Submittal"* form (Appendix M), at the facility site level.

6.7 Change of Facility or Well Status (i.e., shut in, plugged / abandoned, etc.)

The Department has issued a Control of Storage Tanks at Shut-In Upstream Production Facilities memo (Appendix N) dated August 23, 2021, which exempts oil and gas production facilities from

the control requirements of NDAC 33.1-15-07-02.1 if the conditions of the memo are achieved. To apply for this exemption, the permittee shall submit a notification to the Department by completing the "*Air General Compliance Submittal"* form (Appendix I) at the facility site level in CERIS-ND. This notification shall be submitted within 15 calendar days after control of storage tank emissions has ceased. Subsequently, the permittee shall notify the Department within 15 calendars days of the return to service of the storage tanks and therefore the return to service of the emission control device(s) using the "*Air General Compliance Submittal"* form (Appendix I) at the facility site level in CERIS-ND.

7. Effective Date

This guidance is effective as of July 1, 2025. This guidance does not supersede any applicable state or federal rule, regulation or law.

Any questions about this document should be addressed to:

North Dakota Department of Environmental Quality (NDDEQ)
Division of Air Quality
4201 Normandy Street, 2nd Floor
Bismarck, ND 58503-1324
Phone: (701) 328-5188

Approval: Matthew J. Bingert Date: June 30, 2025

Matthew Bingert
Manager, Oil & Gas Program
Division of Air Quality
North Dakota Department of Environmental Quality

Appendix A

Oil & Gas General Permit Application / Well Registration

Instructions:

Use this form to:

- Register a new Oil and Gas Production Facility and its associated new well(s), in accordance with NDAC 33.1-15-20-02.1; or
- Register new or recompleted well(s) at an existing Oil and Gas Production Facility, in accordance with NDAC 33.1-15-20-02.1; and
- Submit Notification of Well Completion no later than 2 days prior to commencement of well completion operation, in accordance with 40 CFR 60.5420b(2)
- Additionally, this form is the application for a General Permit for Oil and Gas Production Facilities (GP-OG v1.0)

❖ The Department has enabled a feature in CERIS-ND which allows for some auto-population capabilities within the application form(s). If a facility has previously submitted a general permit application, the reference number can be entered into the submission to make use of this feature.

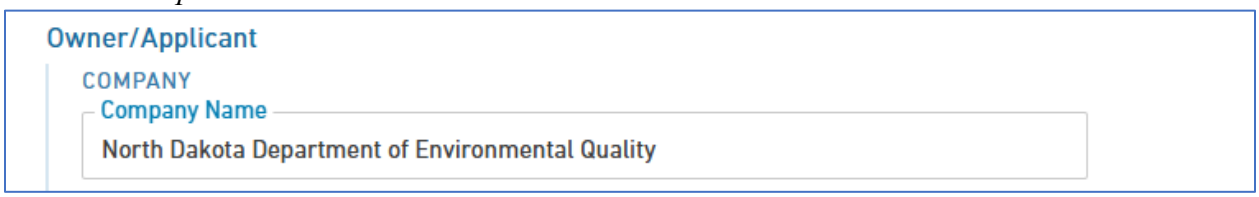
Section A - Company Information

Company Name: Provide the owner / operator name of the facility as described in the Department of Mineral Resources - Oil and Gas Division Well Index

Example

Company: North Dakota Department of Environmental Quality

CERIS-ND Input:

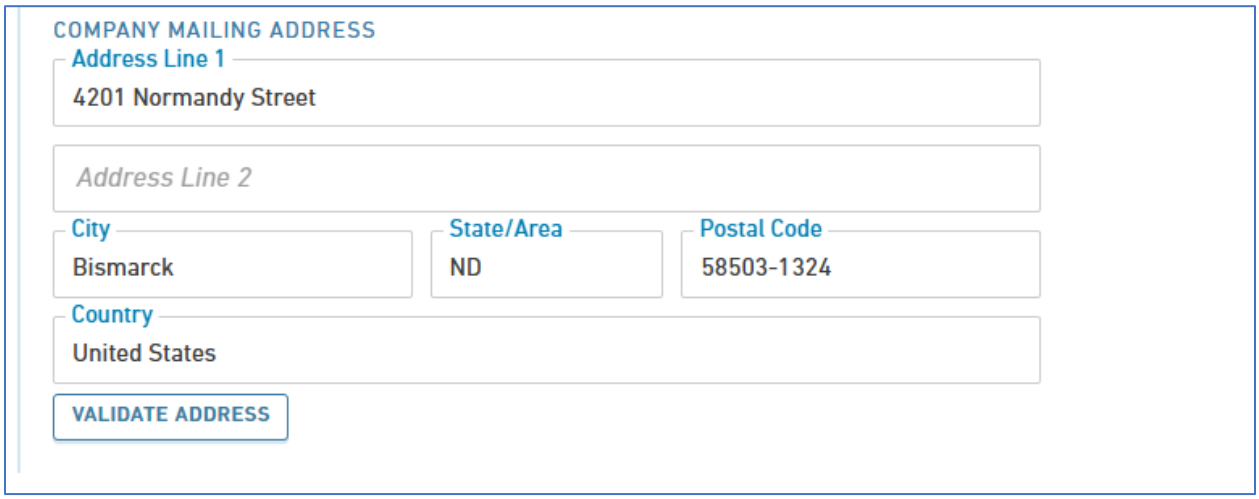


Company Mailing Address: This address should be representative of the primary office to which the company / operator would like regulatory correspondence addressed and mailed.

Example

Address: 4201 Normandy Street
Bismarck, ND 58503-1324
United States

CERIS-ND Input:

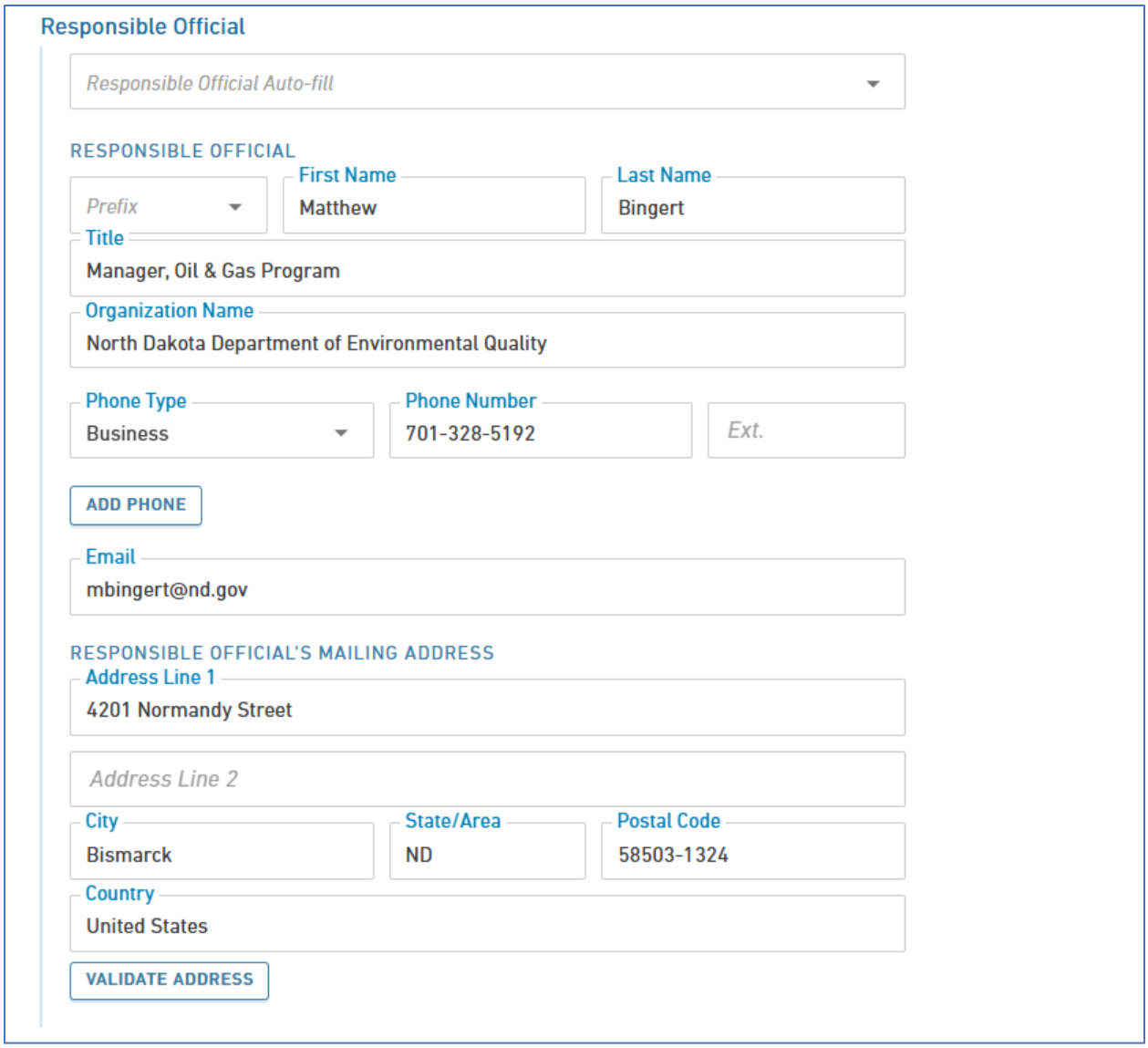


Responsible Official Information: As part of the application process, the company / operator must provide information regarding the chosen responsible official for air pollution compliance. The individual in this role should be able to document and verify the compliance of all information submitted to both obtain and maintain the general permit.

Example

Contact: Matthew Bingert
Manager, Oil & Gas Program
North Dakota Department of Environmental Quality
(701) 328-5192, mbingert@nd.gov
4201 Normandy Street, Bismarck, ND 58503-1324

CERIS-ND Input:



Contact Person for Air Pollution Matters: In addition to the responsible official described above, the applicant must provide a contact person for air pollution matters. This individual will be considered the point of contact for all application correction requests, compliance reports, inspection findings, and general correspondence. Note: The responsible official and the contact person for air pollution matters can be the same individual.

Example

Contact: Wyatt Peterson
Environmental Engineer
North Dakota Department of Environmental Quality
(701) 328-5184
wyatt.peterson@nd.gov

CERIS-ND Input:

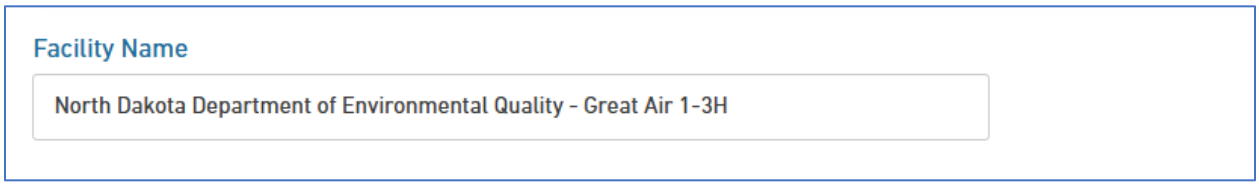
Section B - Facility Information

Facility Name: Provide the formal name of the facility as determined by the company / owner / operator.

Example

Company Name: North Dakota Department of Environmental Quality
Facility Name: Great Air 1-3H

CERIS-ND Input:



Facility County: Provide the name of the county in which the facility is located. In the rare circumstance where the facility is composed of several well pads that exist in separate counties, please provide the county in which the majority of the process equipment is located.

Example

County: Burleigh

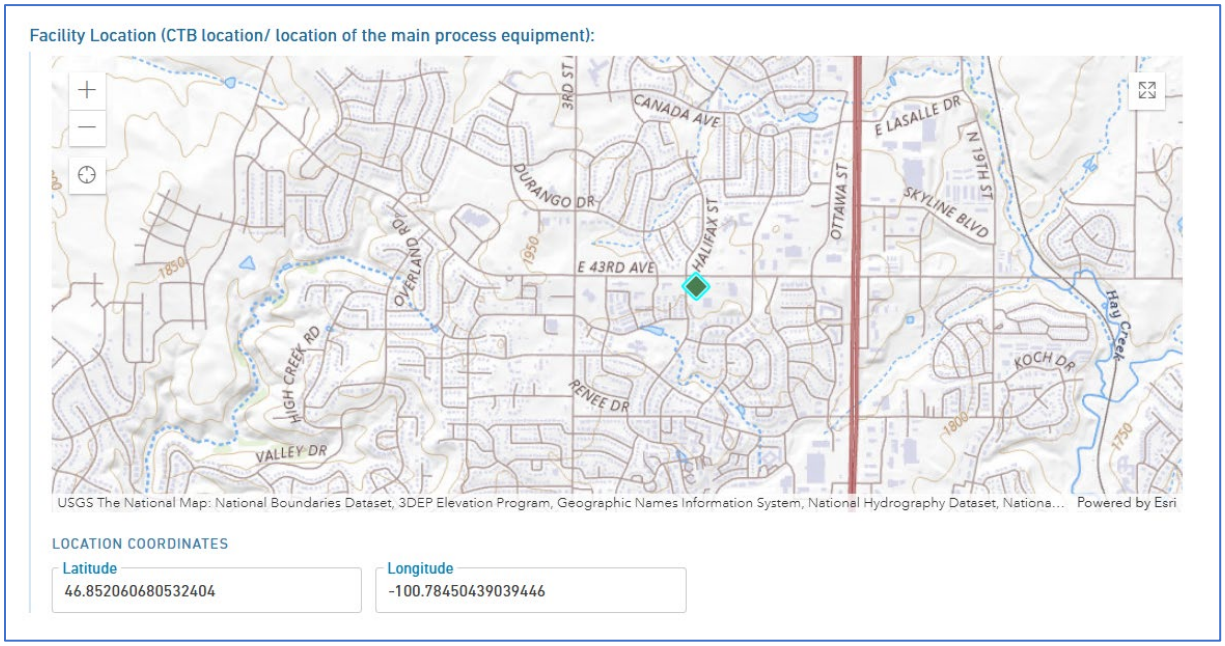
CERIS-ND Input:

Facility Location (GPS Coordinates): Provide the GPS Coordinates of the facility. If the facility is composed of several well pads, please provide the location in which the majority of the process equipment is located.

Example

Latitude: 46.85206
Longitude: -100.78450

CERIS-ND Input:

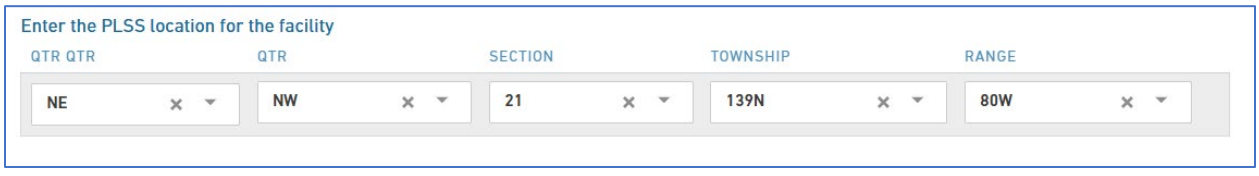


Public Land Survey System (PLSS) Location: Please provide the location of the facility as described in the PLSS. Please note, the location specific to the quarter is not a requirement.

Example

Location: Township: 139N
Range: 80W
Section: 21
Quarter: NW
Quarter Quarter: NE

CERIS-ND Input:



Section C – Well Information

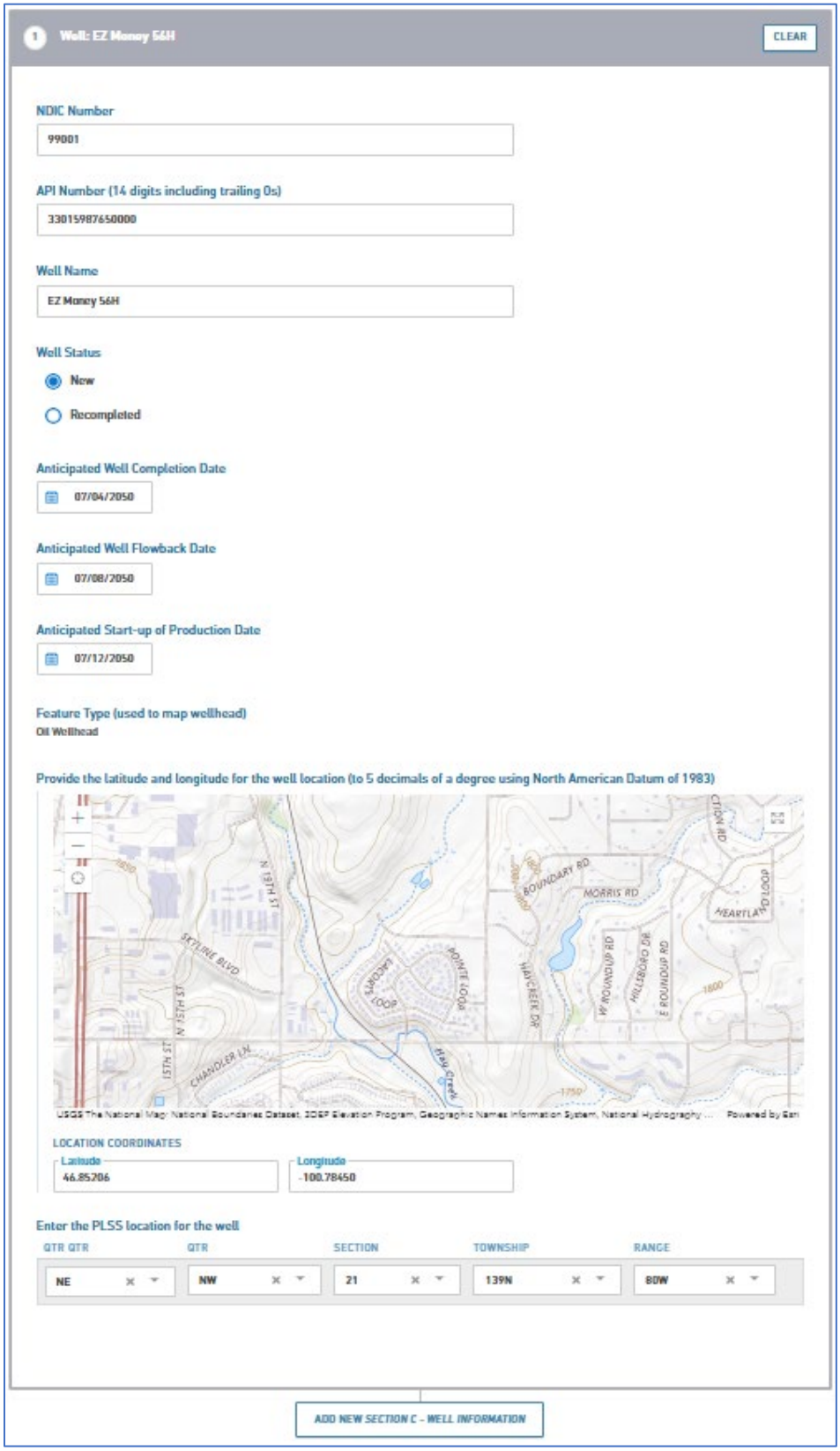
DMR Well File Number: Each new or recompleted well must be included in the registration. The information required for this section includes the following:

1. DMR Well File Number
2. API Number – please list the full number, including the trailing zeroes to allow for data integrity in the CERIS-ND database.
3. Well Name (as listed in the Department of Mineral Resources- Oil and Gas Division Well Index)
4. Well Status
5. Anticipated Well Completion Date
6. Anticipated Well Flowback Date
7. Anticipated Start-up of Production Date
8. GPS Location / Coordinates
9. Well Public Land Survey System (PLSS) Location

Example

Well File: 99,001
API Number: 33-015-98765-00-00 (33015987650000)
Well Name: EZ Money 56H
Well Status: New
Anticipated Well Completion Date: 07/04/2050
Anticipated Well Flowback Date: 07/08/2050
Anticipated Start-up of Production Date: 07/12/2050
GPS Coordinates: (46.85206, -100.78450)
PLSS Location: NENW 21-139-80

CERIS-ND Input:



Section D – Facility-Wide Applicable Regulations

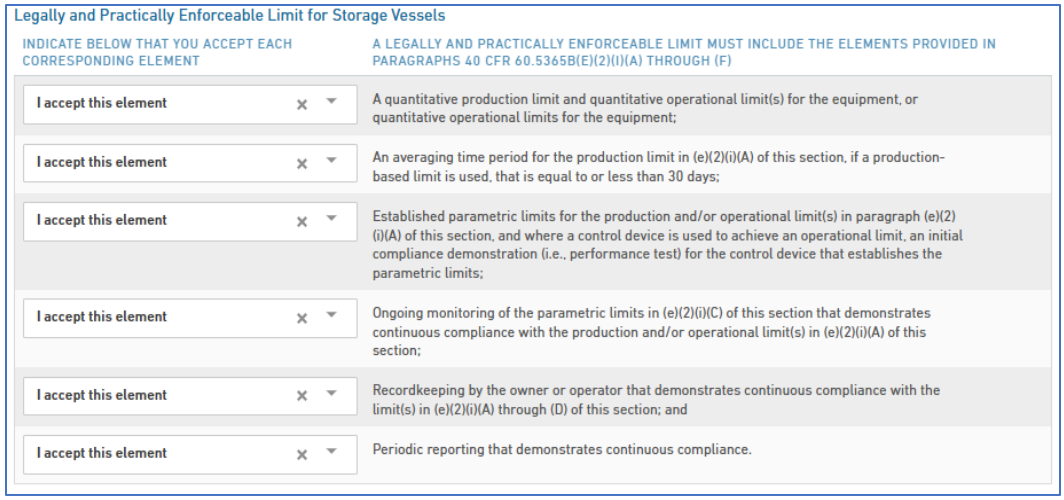
Several regulations applicable to affected facilities at upstream oil and gas production are specifically referenced in the GP-OG. However, due to various construction dates and on-site equipment the full scale of regulatory applicability for each facility applying for the GP-OG is expected to vary. To account for this, all applicants are expected to do a regulatory review prior to registration and note all applicable regulations for the facility. The form has presented all regulations in a "Yes or No" format. Please complete the form to accurately represent each individual facility. Information is provided below for each applicable New Source Performance Standard (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP) subpart, along with the applicable North Dakota regulations.

Federal Air Programs

NSPS Air Program Subparts

- *40 CFR 60, Subpart A* (General Provisions)
  - Google AI Summary (Disclaimer)
- *40 CFR 60, NSPS Subpart IIII* (Standards for Stationary Compression Ignition Internal Combustion Engines)
  - Google AI Summary (Disclaimer)
- *40 CFR 60, NSPS Subpart JJJJ* (Standards for Stationary Spark Ignition Internal Combustion Engines)
  - Google AI Summary (Disclaimer)
- *40 CFR 60, NSPS Subpart OOOO* (Standards of Performance for Crude Oil and Natural Gas Facilities for Which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or Before September 18, 2015)
  - Google AI Summary (Disclaimer)
- *40 CFR 60, NSPS Subpart OOOOa* (Standards of Performance for Crude Oil and Natural Gas Facilities for Which Construction, Modification or Reconstruction Commenced After September 18, 2015, and On or Before December 6, 2022)
  - Google AI Summary (Disclaimer)
- *40 CFR 60, NSPS Subpart OOOOb* (Standards of Performance for Crude Oil and Natural Gas Facilities for Which Construction, Modification, or Reconstruction Commenced After December 6, 2022)
  - Google AI Summary (Disclaimer)

- A facility may elect to take legally and practically enforceable limits (LAPEL) for storage vessels as part of the 40 CFR 60, NSPS Subpart OOOOb regulation under the GP-OG. For facilities that elect to take the LAPEL, several additional requirements / equipment limits will be necessary. All elements of the LAPEL must be accepted in order to successfully submit the application. An example of the successful completion of this section is presented below.



  - LAPEL Google AI Summary (Disclaimer)

- *40 CFR 60, NSPS Subpart OOOOc* (Emissions Guidelines for Greenhouse Gas Emissions from Existing Crude Oil and Natural Gas Facilities)
  - Google AI Summary (Disclaimer)

NESHAP Air Program Subparts

- *40 CFR 63, Subpart A* (General Provisions)
  - Google AI Summary (Disclaimer)

- *40 CFR 63, Subpart HH* (National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities)
  - Google AI Summary (Disclaimer)

- *40 CFR 63, Subpart ZZZZ* (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines)
  - Google AI Summary (Disclaimer)

North Dakota Air Pollution Control Rules

33.1-15-01. *General Provisions*
- Google AI Summary (Disclaimer)

33.1-15-02-04. *Ambient Air Quality Standards*
- Google AI Summary (Disclaimer)

33.1-15-03-03.1. *Visible Emissions. Restrictions applicable to flares.*
- Google AI Summary (Disclaimer)

33.1-15-07-01.3. *Requirements for construction of organic compounds facilities. Submerged fill pipes required.*
- Google AI Summary (Disclaimer)

33.1-15-07-02. *Requirements for organic compounds gas disposal.*
- Google AI Summary (Disclaimer)

33.1-15-16-02. *Emissions of Odorous Substances Restricted.*
- Google AI Summary (Disclaimer)

33.1-15-17-04. *Restriction of Fugitive Gaseous Emissions.*
- Google AI Summary (Disclaimer)

33.1-15-20-02. *Control of Emissions from Oil and Gas Well Production Facilities. Registration and Reporting Requirements.*
- Google AI Summary (Disclaimer)

33.1-15-20-03. *Control of Emissions from Oil and Gas Well Production Facilities. Prevention of significant deterioration applicability and source information requirements.*
- Google AI Summary (Disclaimer)

33.1-15-20-04. *Requirements for control of production facility emissions.*
- Google AI Summary (Disclaimer)

33.1-15-23. *Fees.*
- Google AI Summary (Disclaimer)

Section E – Facility-Wide Permit Conditions

Prior to issuance of the GP-OG, each facility is required to ensure compliance can be achieved with several permit conditions. This section of the registration is also presented in a "Yes or No" format. Any "No" responses will require further permit review and may prevent the issuance of the GP-OG. The list below summarizes all permit conditions agreements found in the registration form and is meant to accurately reflect the GP-OG. This list is subject to change upon revision of the GP-OG and may be expanded upon to account for changes in future regulatory requirements.

- Gas fired process heaters, engines, and control device pilots will combust only gaseous fuel containing no more than 500 ppmv of H2S (~31.3 grains per standard cubic foot).
    - Summary: This permit condition has been included to ensure compliance with sulfur restrictions as described in NDAC 33.1-15-06

- Diesel fired engines will combust only distillate oil containing no more than 0.0015 percent sulfur by weight.
    - Summary: This permit condition has been included to ensure compliance with sulfur restrictions as described in NDAC 33.1-15-06

- All facility control devices subject to a New Source Performance Standard (NSPS) will meet the requirements specified in 40 CFR 60.18(b) and the requirements for control of production facility emissions as described in NDAC 33.1-15-20-04.
    - Summary: As part of both NSPS Subpart OOOO/a/b/c series and the North Dakota Administrative Code, upstream oil and gas facilities must implement and maintain various levels of emission control from their affected facilities. These regulations are in place to prevent significant contribution to air pollution from upstream production facilities.

- Facility wide potential to emit for new source review pollutants (criteria pollutants) will be below 250 tons per year
    - Summary: The GP-OG has been created as a synthetic minor permit under the Prevent of Significant Deterioration of air quality program, via federally enforceable restrictions of regulated new sources review pollutants to below 250 tons per year (excluding fugitives). Any facility with potential emissions in exceedance of 250 TPY is not eligible for the GP-OG and is subject to site specific pre-construction permitting review as a major source of air pollutants.

- Will this facility operate any sweetening units?
    - Summary: Though sweetening units are an affected facility under the NSPS Subpart OOOO/a/b/c series, they are not covered under the GP-OG and will require site specific permitting.

Appendix B

Startup of Production Notification

Instructions:

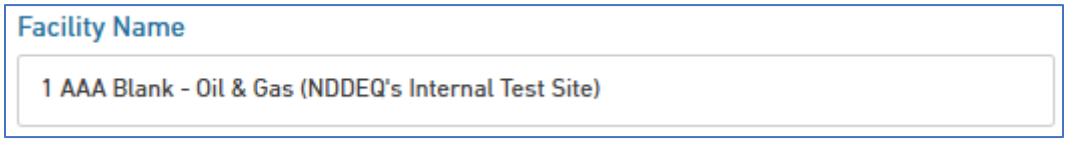
Use this form to:

- Submit a startup of production notification for permitted wells in accordance with Permit Condition 4.A.1 of the GP-OG.

Section A – Facility Information

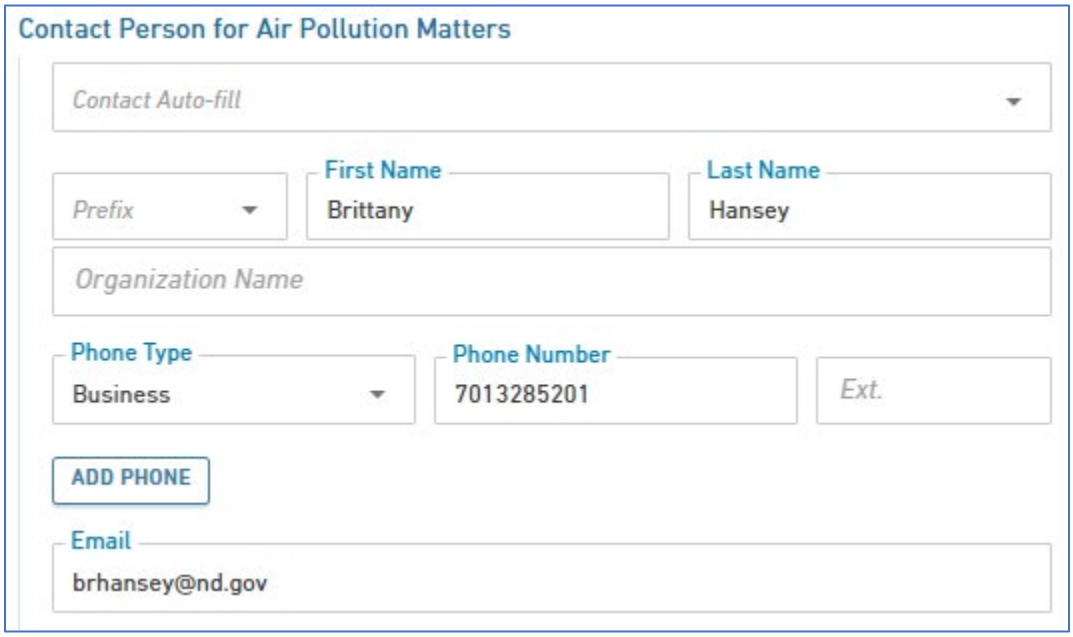
Facility Name: Provide the formal name of the facility as determined by the company / owner / operator.

CERIS-ND Input:



Contact Person for Air Pollution Matters: Provide a contact person for air pollution matters. This individual will be considered the point of contact for correction requests associated with this form.

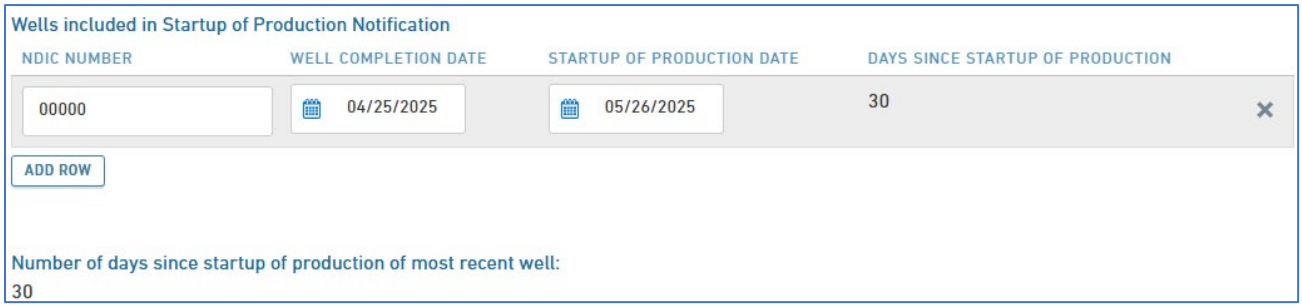
CERIS-ND Input:



Section B – Well Information

Wells included in Startup of Production Notification: Provide the well information for each new or recompleted well reported in the General Permit Application / Well Registration.

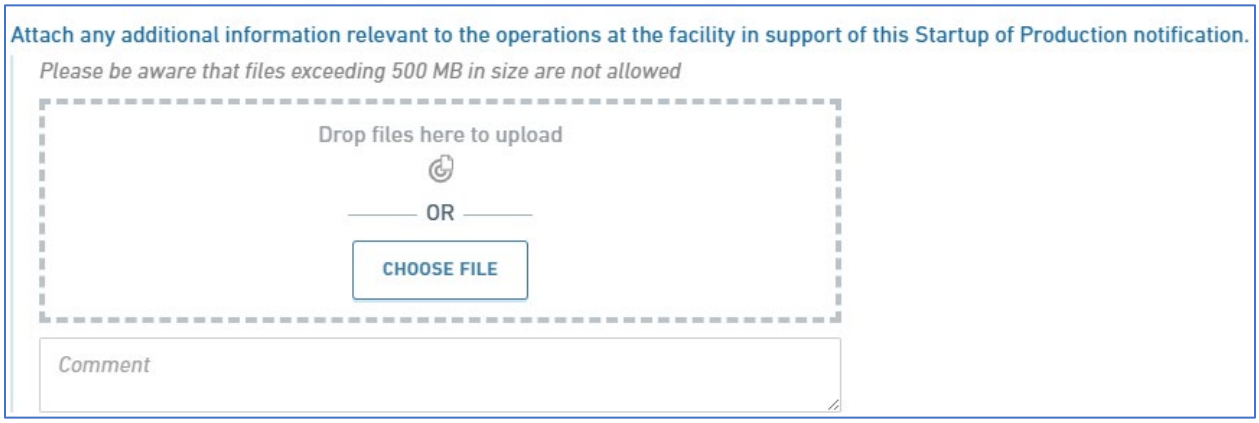
CERIS-ND Input:



Section C – Additional Information

File Attachment(s): Provide any additional pertinent information as a file attachment (optional).

CERIS-ND Input:



Appendix C

Facility Potential to Emit (PTE) Report

Instructions:

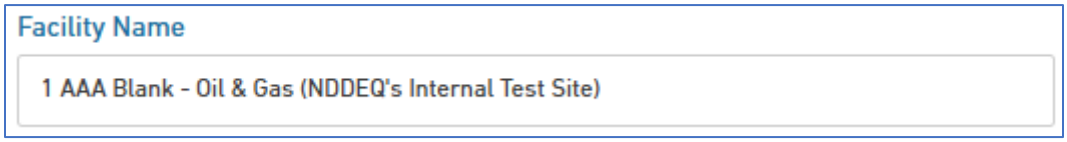
Use this form to:

- Submit the initial Potential to Emit (PTE) data for new well completions / recompletions in accordance with NDAC 33.1-15-20-02.1 and GP-OG Permit Condition 4.A.5.
- Supply a facility PTE in response to a Department information request.

Section A – Facility Information

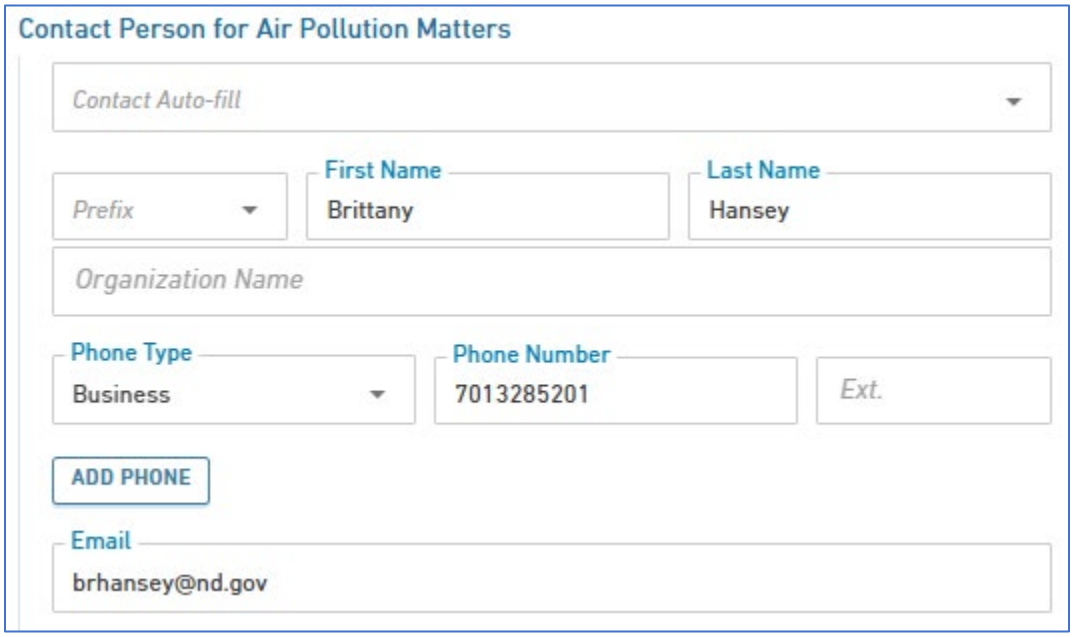
Facility Name: Provide the formal name of the facility as determined by the company / owner / operator.

CERIS-ND Input:



Contact Person for Air Pollution Matters: Provide a contact person for air pollution matters. This individual will be considered the point of contact for correction requests associated with this form.

CERIS-ND Input:



Section B – Well Information

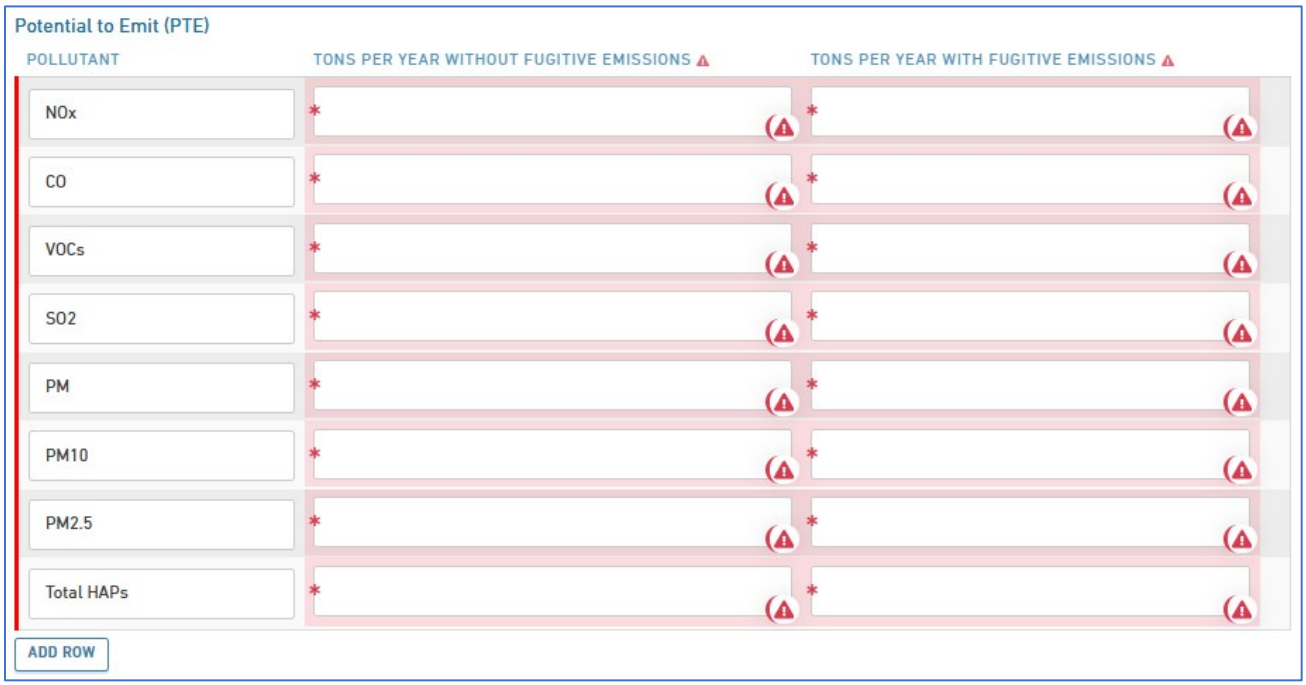
Wells included in Facility PTE Calculation: Provide the well information for each new or recompleted well reported in the General Permit Application / Well Registration.

CERIS-ND Input:

Section C – Sitewide Potential to Emit (PTE)

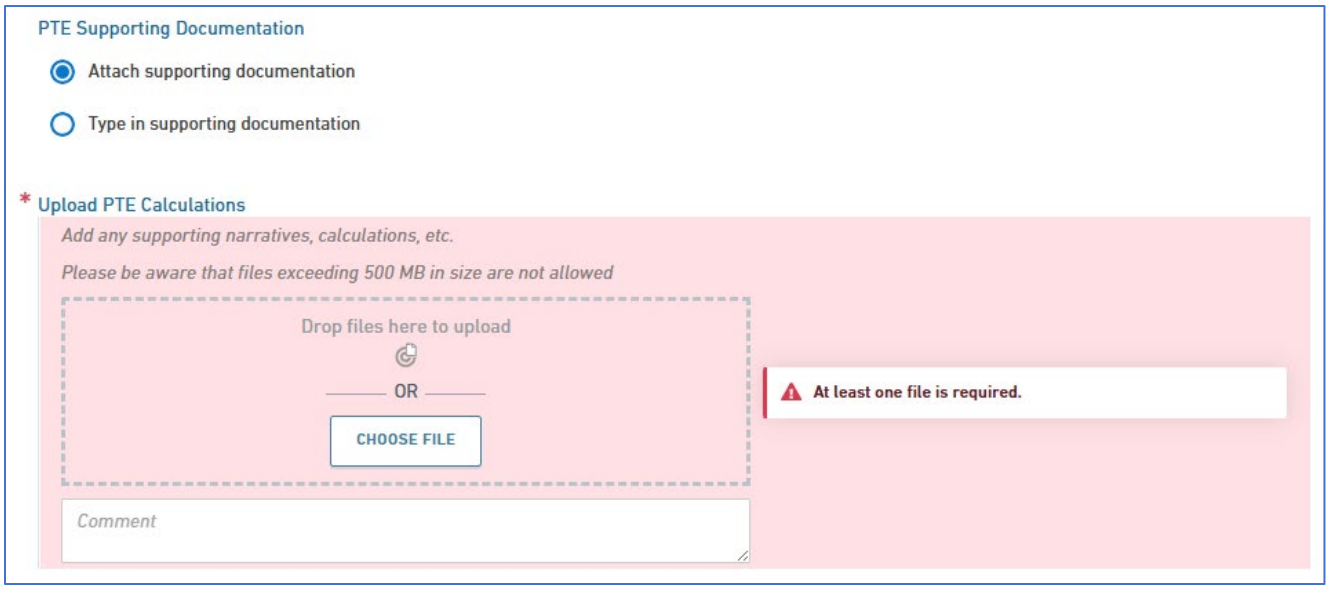
Potential to Emit (PTE): Provide the potential emissions in tons per year, including and excluding fugitive emissions, for all applicable pollutants.

CERIS-ND Input:



PTE Supporting Documentation: Provide supporting PTE calculations by uploading a file attachment or typing in calculations.

CERIS-ND Input:



Section D – Process Equipment Information

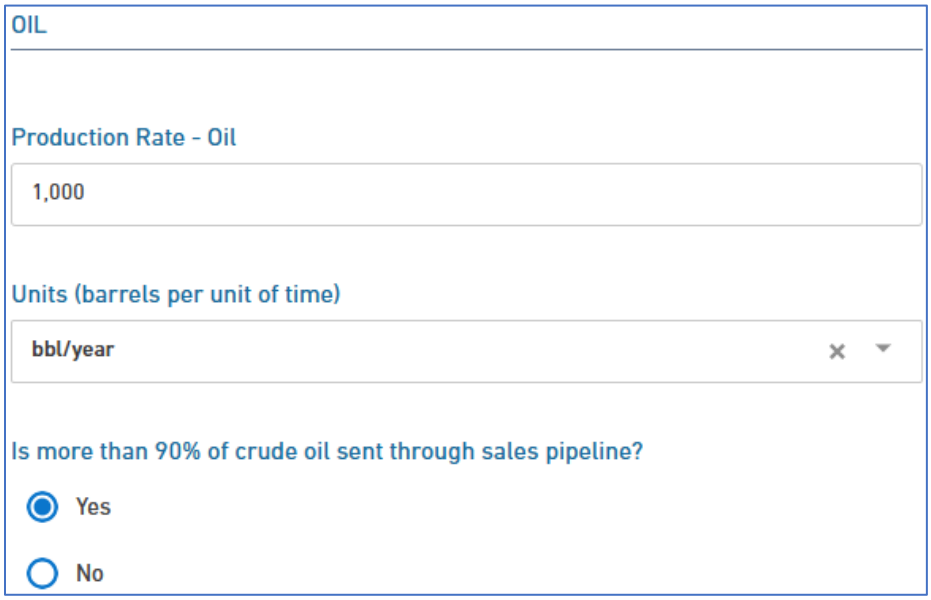
Oil

Production Rate – Oil: Provide the predicted production rate of oil.

Units (barrels per unit of time): Select the units for the predicted production rate of oil from the dropdown menu.

Is more than 90% of crude oil sent through sales pipeline: Select "Yes" or "No". Note: If "No" is selected, Section G – Oil Properties (API Gravity, True Vapor Pressure, and Reid Vapor Pressure) must be filled out.

CERIS-ND Input:



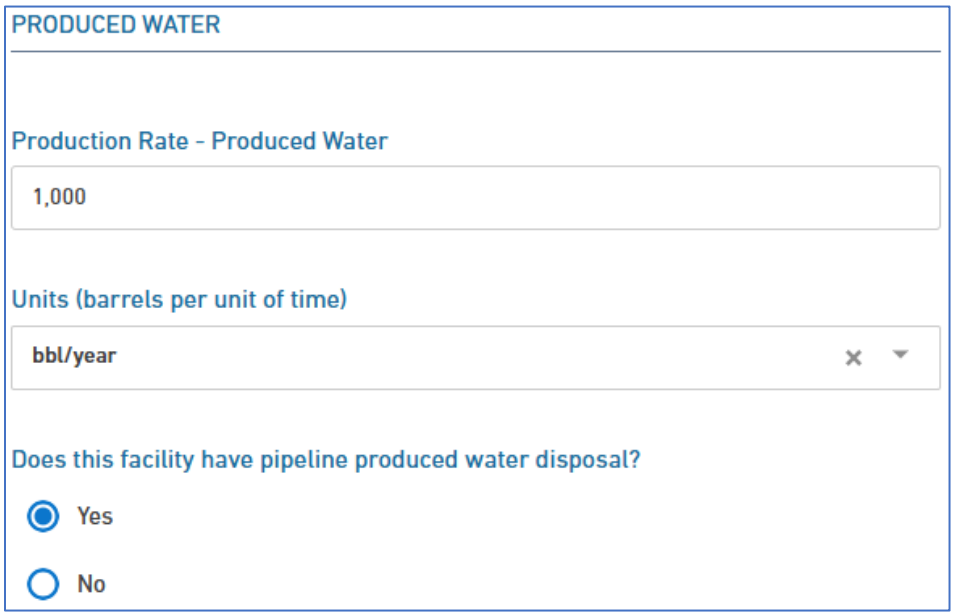
Produced Water

Production Rate – Produced Water: Provide the predicted production rate of produced water.

Units (barrels per unit of time): Select the units for the predicted production rate of produced water from the dropdown menu.

Does this facility have pipeline produced water disposal: Select "Yes" or "No".

CERIS-ND Input:



Associated Gas

Production Rate – Gas: Provide the predicted production rate of gas.

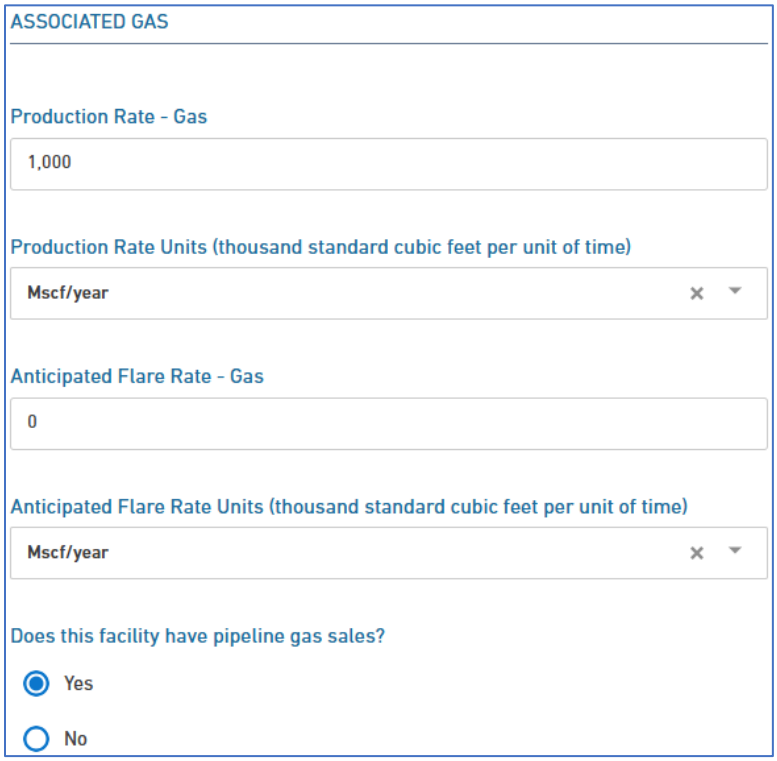
Production Rate Units (thousand standard cubic feet per unit of time): Select the units for the predicted production rate of gas from the dropdown menu.

Anticipated Flare Rate – Gas: Provide the predicted flare rate of gas.

Anticipated Flare Rate Units (thousand standard cubic feet per unit of time): Select the units for the predicted flare rate of gas from the dropdown menu.

Does this facility have pipeline gas sales: Select "Yes" or "No".

CERIS-ND Input:



What type of control device does this facility have: Select the control device from the dropdown menu.

CERIS-ND Input:

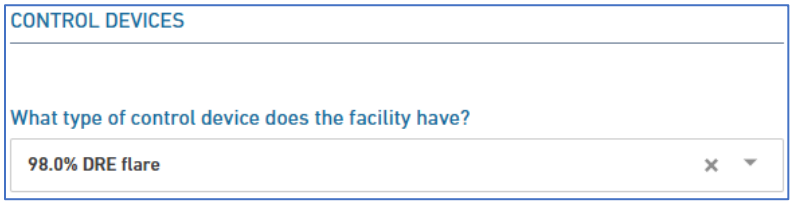


Table 1-1: Potential Onsite Emission Units and Typical Control Equipment: Enter the number of emission units for each emission unit type.

CERIS-ND Input:

EMISSION UNITS

Complete the table below to indicate the type and quantity of emission units located at the facility.

Table 1-1: Potential Onsite Emission Units and Typical Control Equipment

NUMBER OF EMISSION UNITS	EMISSION UNIT DESCRIPTION	EMISSION UNIT (EU)	EMISSION POINT (EP)	AIR POLLUTION CONTROL EQUIPMENT
1	Wellhead	WELL	N/A	None
1	High pressure (HP) flare	HPFL	HPFL	--
1	Low pressure (LP) flare	LPFL	LPFL	--
0	Enclosed combustion devices (ECD)	ECD	ECD	--
1	Gas fired heaters (HTR)	HTR	HTR	None
0	Stationary reciprocating internal combustion engines (RICE)	RICE	RICE	Catalyst
0	Gas fired combustion turbines (CT)	CT	CT	None
0	Centrifugal and reciprocating compressors	CMPR	CMPR	None
1	Hydrocarbon liquid storage vessel	HCTK	VRU/CD	VRU/combustion device (CD)
1	Produced water storage vessel	PWTK	VRU/CD	VRU/CD
1	Hydrocarbon liquid loadout	HCL	HCL	Submerged loading arm
1	Produced water loadout	PWL	PWL	None
1	Methanol storage vessels and injection	MeTK	MeTK	None
Various	Gas driven pneumatic/process controllers (GDPC)	GDPC	GDPC	None
Various	Gas driven pneumatic pumps (GDPP)	GDPP	GDPP	None
1	Vapor recovery unit (VRU)	VRU	N/A	--
0	Glycol dehydration unit (GDU)	GDU	VRU/CD	VRU/CD
Various	Fugitive components	FUG-LDAR	FUG-LDAR	Leak detection and repair (LDAR)
Various	Fugitive dust	FUG-A	FUG-A	None
Various	Maintenance - other (Misc)	FUG-Misc	FUG-Misc	None
0	Saltwater injection equipment	SALT	N/A	None

Section E – Gas Analysis – High Pressure Gas

Sample Collection Information

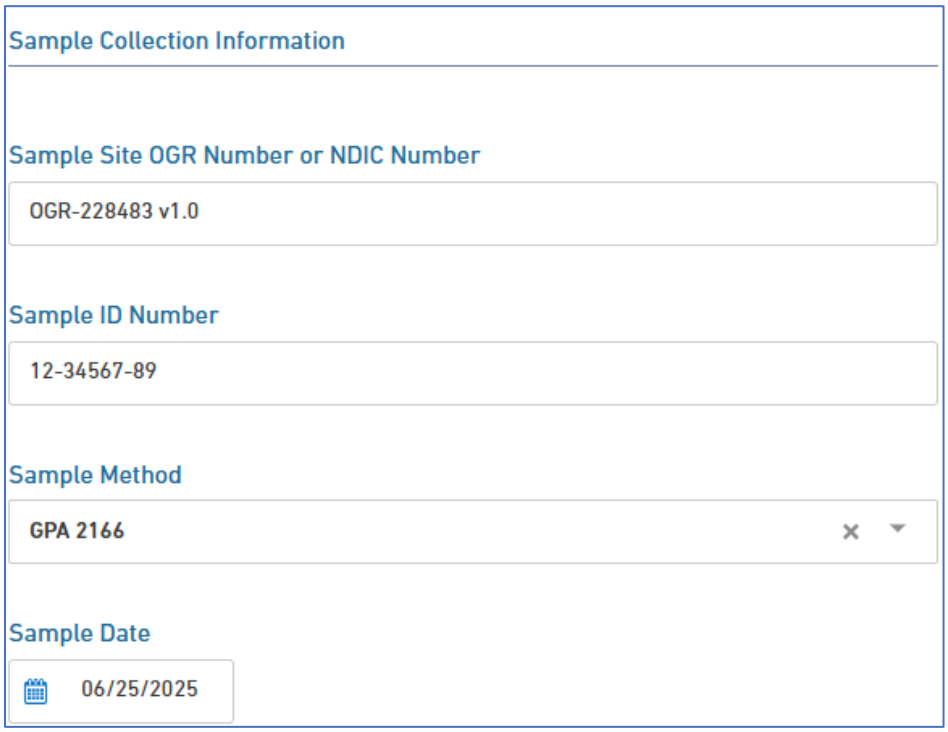
Sample Site OGR Number of NDIC Number: Provide the facility's OGR-GP number or well's NDIC number in which the gas sample was collected.

Sample ID Number: Provide the Sample ID Number as indicated in the lab report.

Sample Method: Select the sample collection method from the dropdown menu.

Sample Date: Provide the sample date as indicated in the lab report.

CERIS-ND Input:



Lab Analysis Information

Analysis Method: Select the lab analysis method from the dropdown menu.

Analysis Date: Provide the analysis date as indicated in the lab report.

Average Gas Molecular Weight: Provide the average gas molecular weight as indicated in the lab report.

Higher Heating Value (HHV) (Btu/scf @ 14.73 PSIA): Provide the HHV as indicated in the lab report.

Lower Heating Value (LHV) (Btu/scf @ 14.73 PSIA): Provide the LHV as indicated in the lab report.

% Weight Total VOC (non-methane, non-ethane): Provide the % weight VOC total as indicated in the lab report.

% Weight Total HAPs: Provide the % weight HAPs total as indicated in the lab report.

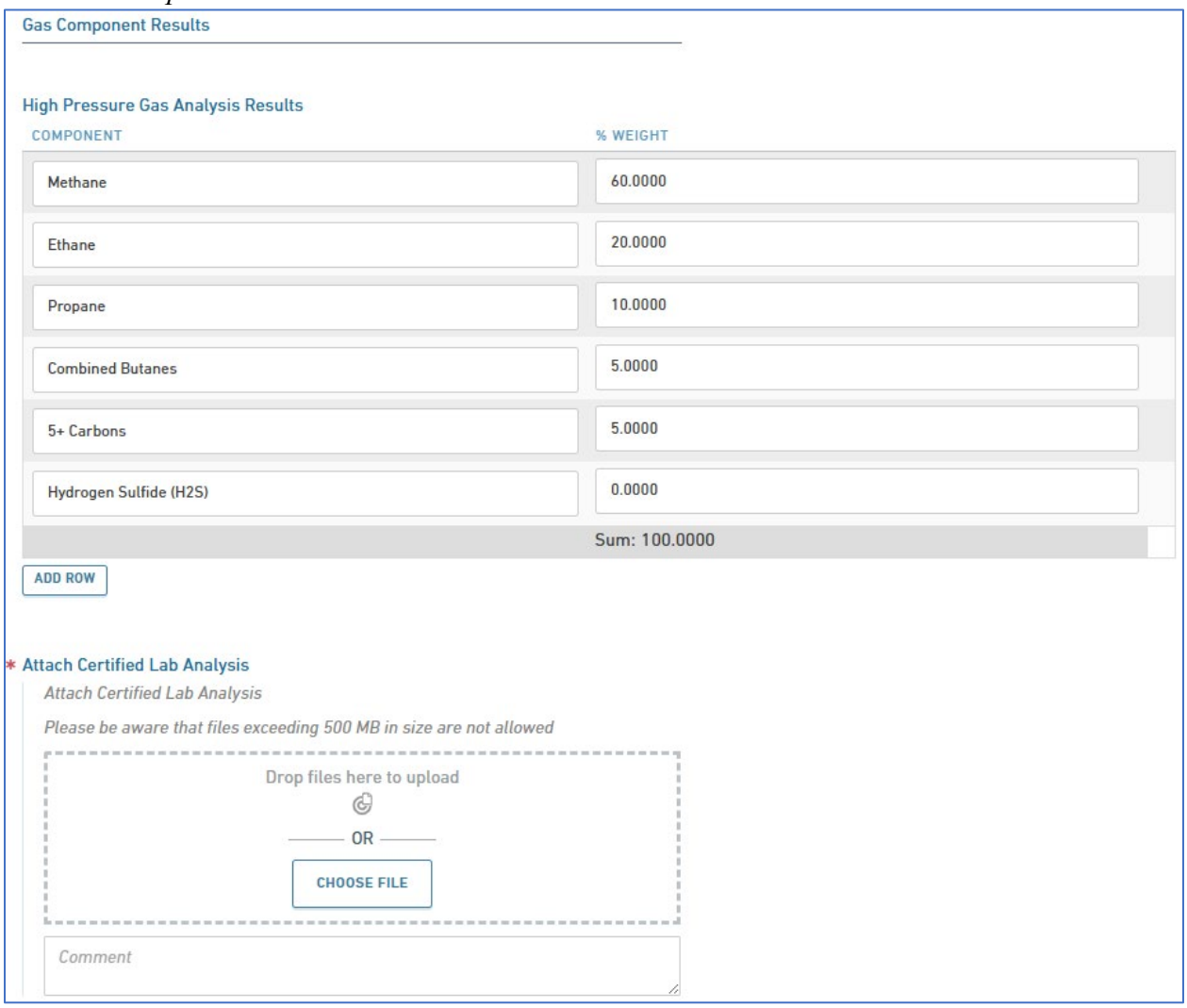
Is this a dry gas analysis: Select "Yes" or "No".

CERIS-ND Input:

Gas Component Results

High Pressure Gas Analysis Results: Provide the % weight for each applicable gas component and attach the lab analysis results.

CERIS-ND Input:



Section F – Gas Analysis – Low Pressure / Flash Gas

What method was used to determine flash gas: Select "Process Simulation", "Lab Analysis / Flash Liberation", or "Bakken Default".

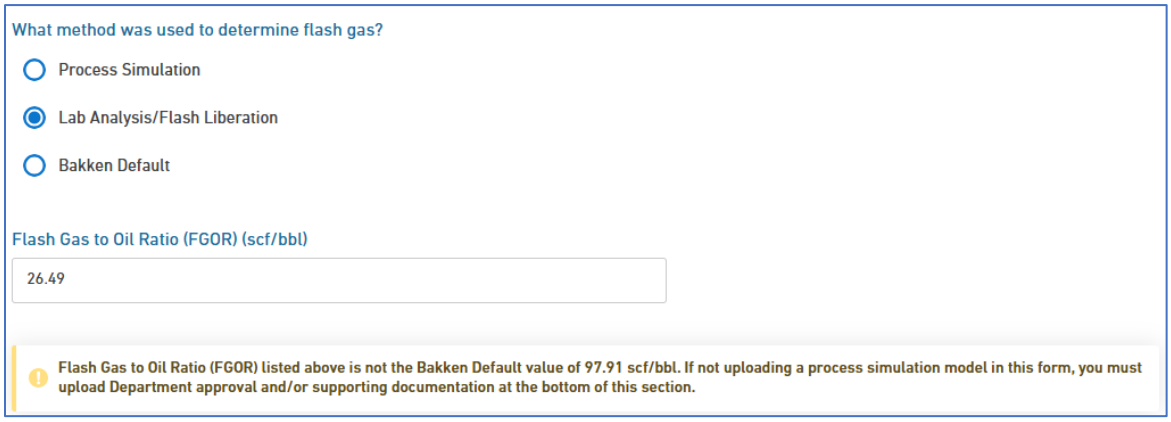
If "Process Simulation" is selected, provide the tank vapor emission factor (scf/bbl) and upload the process simulation report.

If "Lab Analysis / Flash Liberation" is selected, provide the sample collection and lab analysis information as directed in Section E, and the flash gas to oil ratio (scf/bbl). CERIS-ND input example is shown below.

If "Bakken Default" is selected, no further information will be required within this section.

Flash Gas to Oil Ratio (FGOR): Provide the flash gas to oil ratio as determined in the laboratory analysis. Note: Do not include working and breathing factors or safety factors as part of this input.

CERIS-ND Input:



Sample Collection Information

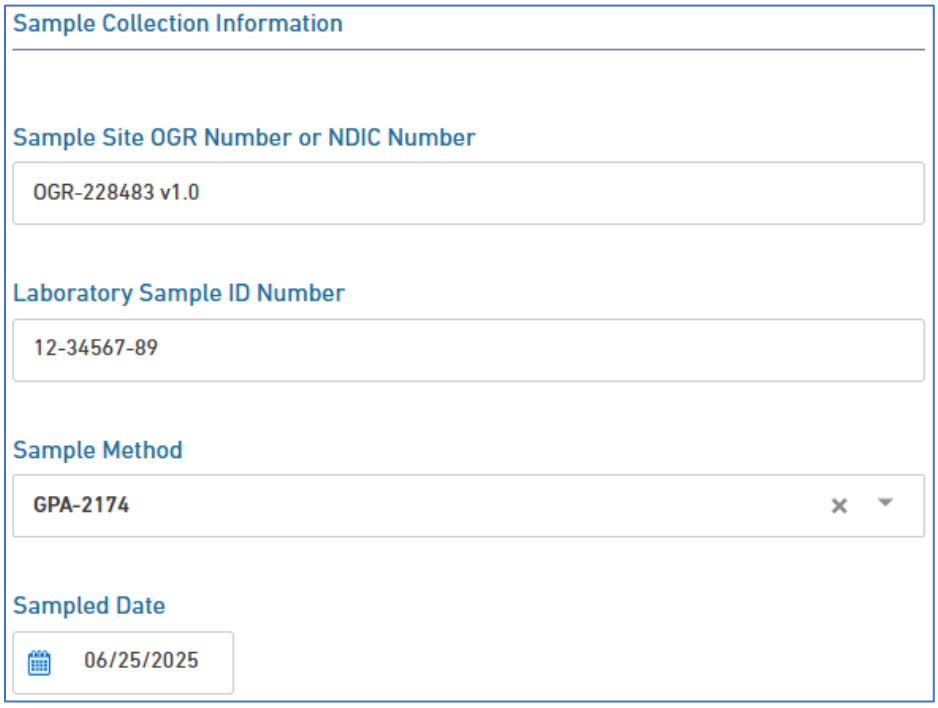
Sample Site OGR Number of NDIC Number: Provide the facility's OGR-GP number or well's NDIC number in which the gas sample was collected.

Sample ID Number: Provide the Sample ID Number as indicated in the lab report.

Sample Method: Select the sample collection method from the dropdown menu.

Sample Date: Provide the sample date as indicated in the lab report.

CERIS-ND Input:



Lab Analysis Information

Analysis Method: Select the lab analysis method from the dropdown menu.

Analysis Date: Provide the analysis date as indicated in the lab report.

Average Gas Molecular Weight: Provide the average gas molecular weight as indicated in the lab report.

Higher Heating Value (HHV) (Btu/scf @ 14.73 PSIA): Provide the HHV as indicated in the lab report.

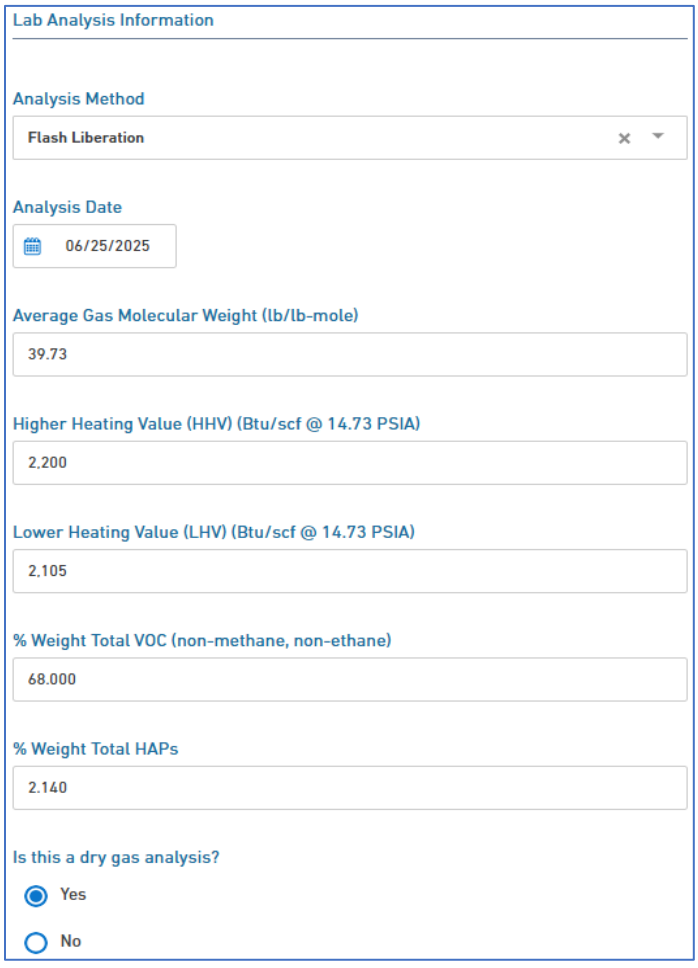
Lower Heating Value (LHV) (Btu/scf @ 14.73 PSIA): Provide the LHV as indicated in the lab report.

% Weight Total VOC (non-methane, non-ethane): Provide the % weight VOC total as indicated in the lab report.

% Weight Total HAPs: Provide the % weight HAPs total as indicated in the lab report.

Is this a dry gas analysis: Select "Yes" or "No".

CERIS-ND Input:

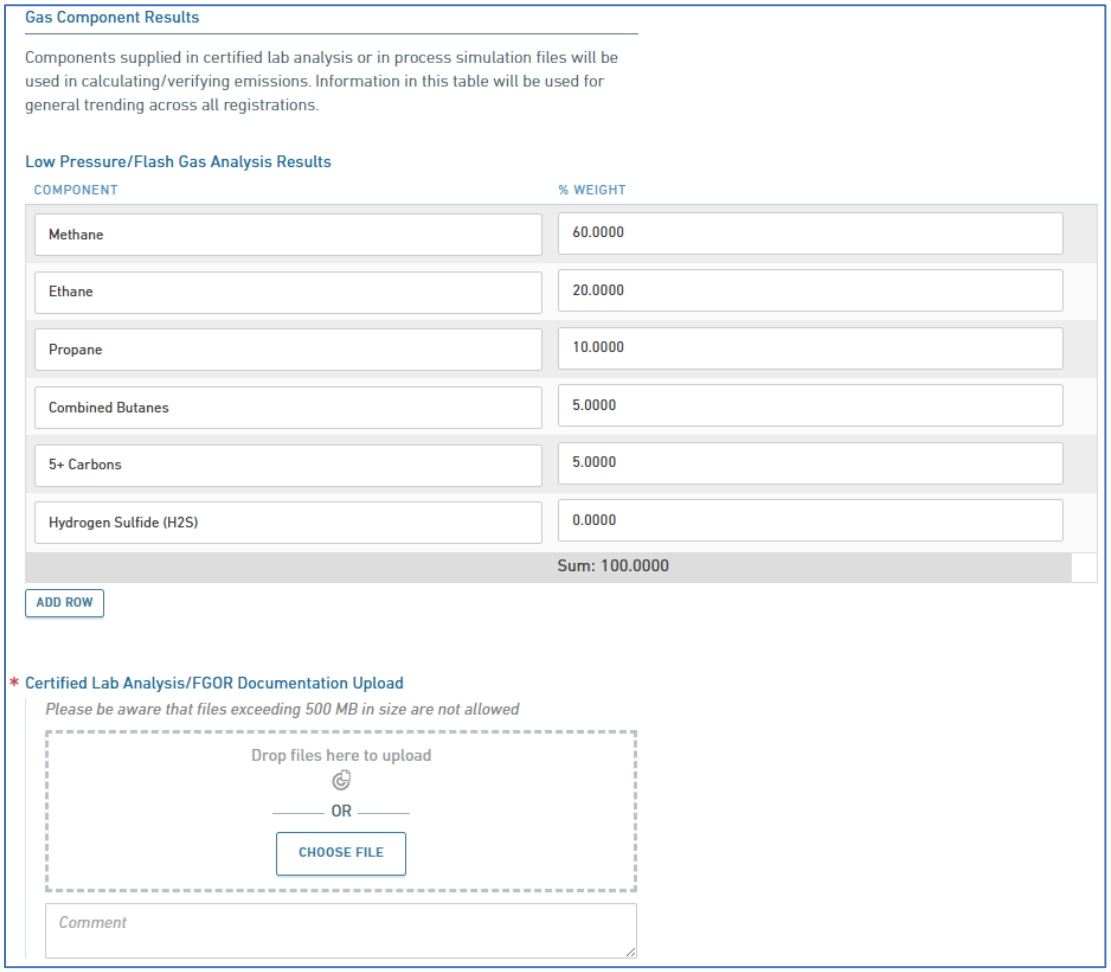


Gas Component Results

Low Pressure / Flash Gas Analysis Results: Provide the % weight for each applicable gas component.

Certified Lab Analysis / FGOR Documentation Upload: Attach lab results. Note: Only required if "Lab Analysis / Flash Liberation" is selected as the method used to determine flash gas.

CERIS-ND Input:



Section G – Oil Properties

API Gravity @ 60F: Provide the API Gravity value of the oil at 60 degrees Fahrenheit.

True Vapor Pressure @ 100F, PSIA: Provide the stock true vapor pressure of the oil extrapolated to 100 degrees Fahrenheit in pounds per square inch absolute.

Reid Vapor Pressure (RVP): Provide the Reid vapor pressure of the oil.

Note: All oil properties should be supported by laboratory analysis within the submission. This section is only required if 10 percent or more of the facility oil is transported via truck.

CERIS Input:

Appendix D

Annual Emissions Inventory Report

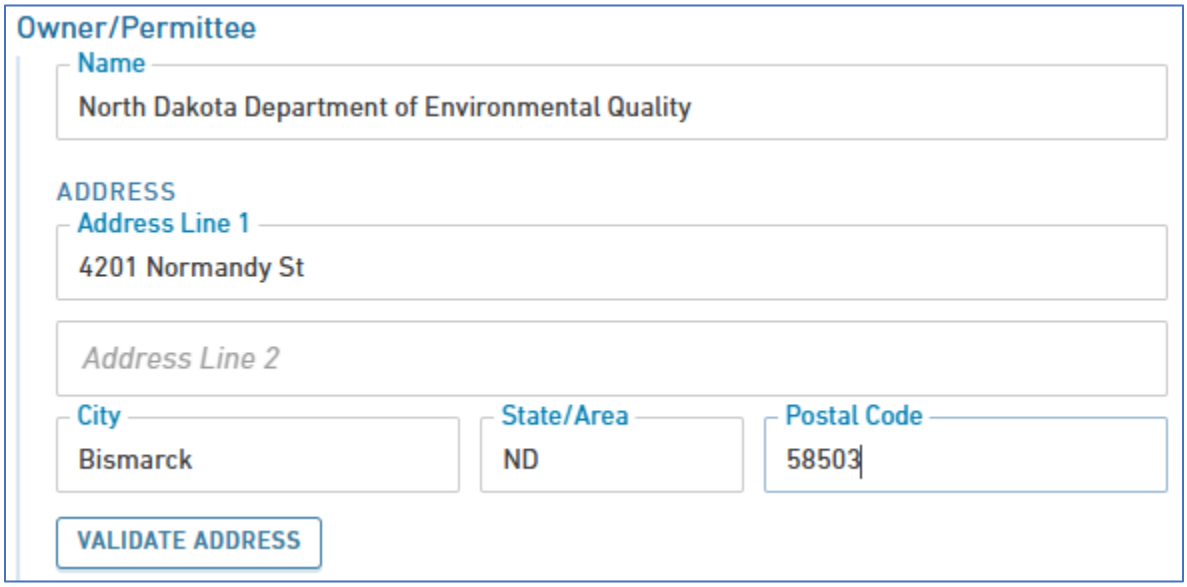
Instructions:

Use this form to submit the Annual Emissions Inventory Report (AEIR) for all oil and gas production facilities operated by your company. Submit the form under the company's General File.

Section A – Company Information

Owner / Permittee: Provide the owner / operator name of the facility as described in the Department of Mineral Resources- Oil and Gas Division Well Index and the owner / operator's address. This address should be representative of the primary office in which the owner / operator would like regulatory correspondence addressed and mailed.

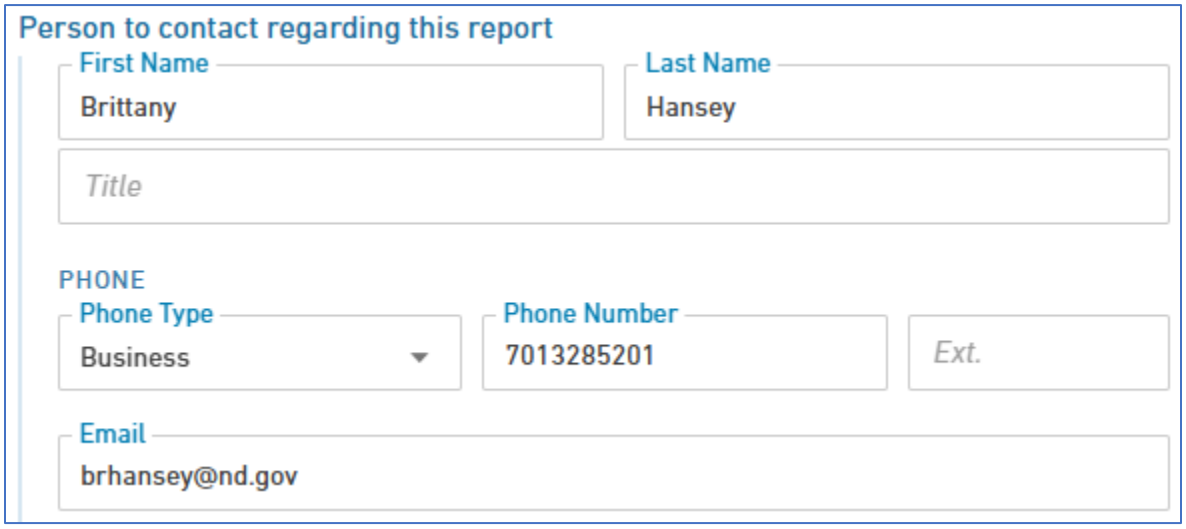
CERIS-ND Input:



Section B – Contact Information

Person to contact regarding this report: Provide a contact person for air pollution matters. This individual will be considered the point of contact for correction requests associated with this form.

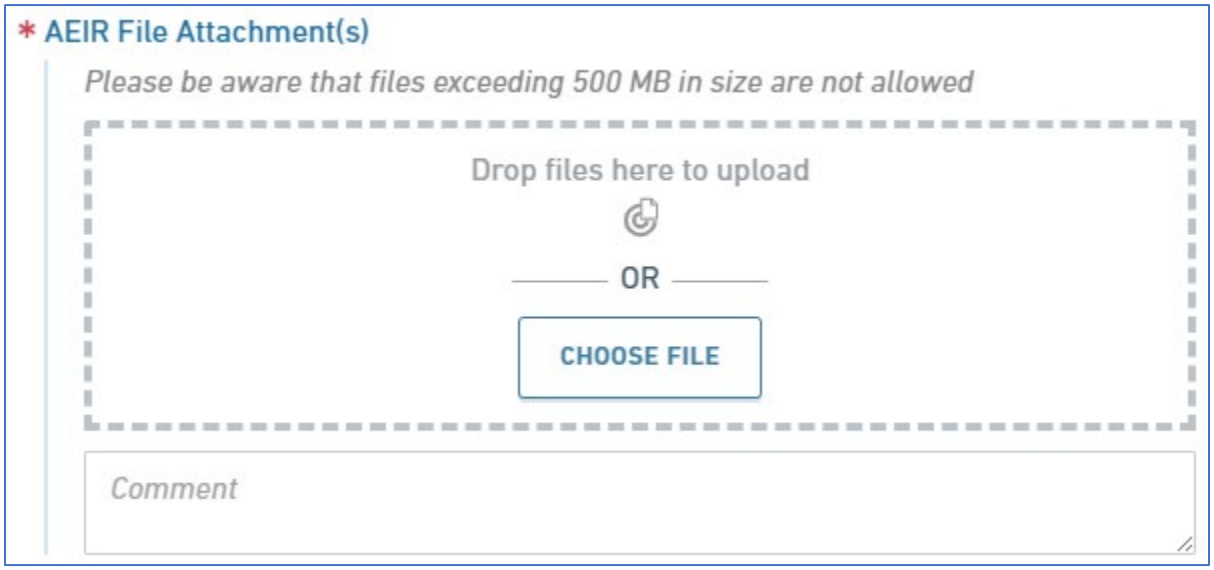
CERIS-ND Input:



Section C – Attached Documentation

AEIR File Attachment(s): Upload AEIR and any supporting documentation. The excel template is available on NDDEQ's Oil & Gas website.

CERIS-ND Input:



Appendix E

Title V Emission Threshold Exceedance Notification

Instructions:

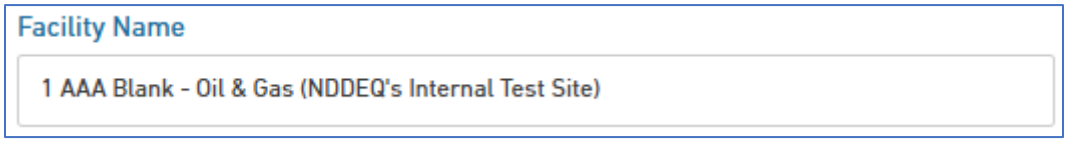
This form has been developed as a multipurpose tool for submitting Title V notifications, applications, and application rescindment requests. The instructions in this appendix pertain to the following:

- Submit a notification of Title V applicability due to major source threshold exceedance.

Section A – Facility Information

Facility Name: Provide the formal name of the facility as determined by the company / owner / operator.

CERIS-ND Input:



Contact Person for Air Pollution Matters: Provide a contact person for air pollution matters. This individual will be considered the point of contact for correction requests associated with this form.

CERIS-ND Input:

Section B – Notification Information

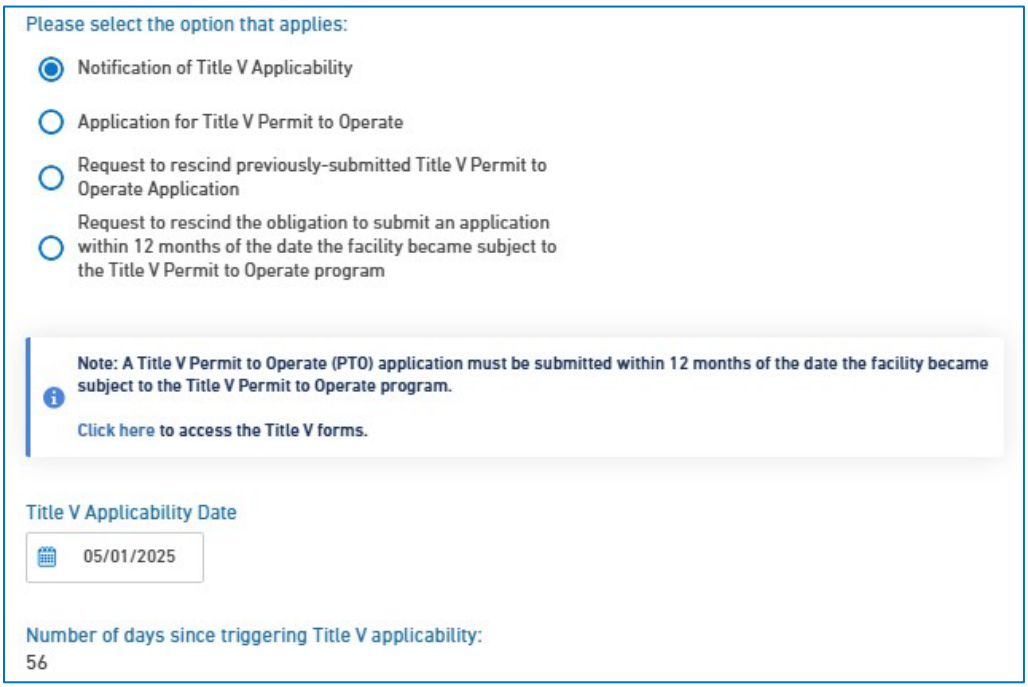
Please select the option that applies: Select "Notification of Title V Applicability" to provide notification of Title V emission threshold exceedance.

Title V Applicability Date: Provide the date on which the exceedance occurred.

Would you like to submit a Title V Permit to Operate Application at this time: Select "Yes" or "No". If "Yes" is selected, then an application must be uploaded to this form.

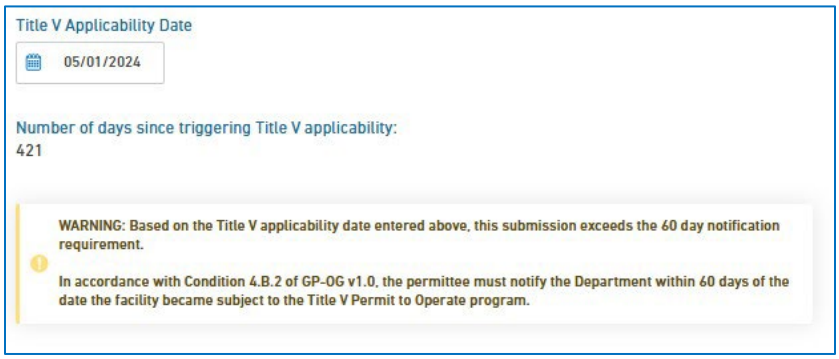
CERIS-ND Input:

Example: Title V Applicability Date: 05/01/2025 (<60 days)

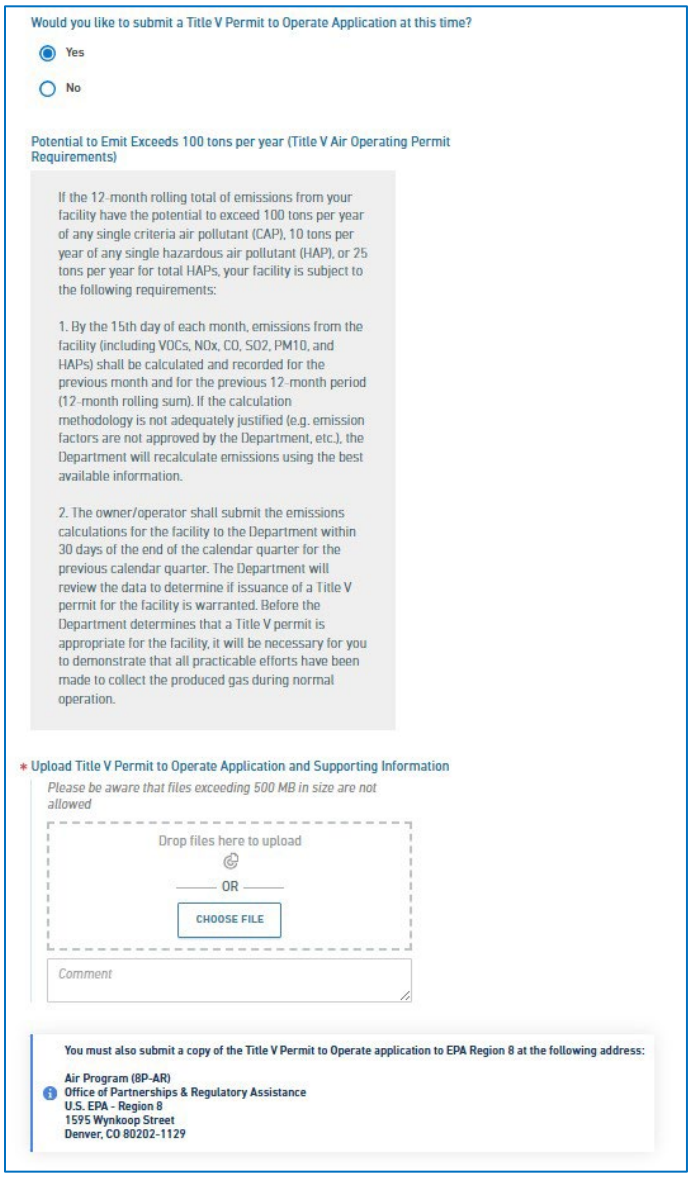


- The Department has enabled a feature in this form which tracks the number of days since the facility exceeded Title V thresholds, based upon the date entered. When the number of days exceeds 60, an automatic notification will appear on the form, denoting a failure to notify the Department within the time specified in 4.B.2 of GP-OG v1.0. The form will still be able to be completed and submitted if this note is present.

Example: Title V Applicability Date: 05/01/2024 (>60 days)



Example: ("Yes" Selection)



Example: (“No” Selection)

Note: The application must be submitted by the calculated due date.

Appendix F

Title V Permit to Operate Application Submittal

Instructions:

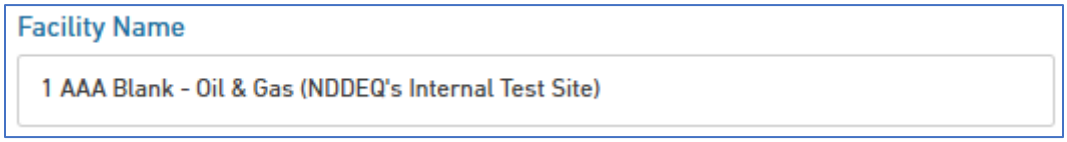
This form has been developed as a multipurpose tool for submitting Title V notifications, applications, and application rescindment requests. The instructions in this appendix pertain to the following:

- Submit a Title V major source application.

Section A – Facility Information

Facility Name: Provide the formal name of the facility as determined by the company / owner / operator.

CERIS-ND Input:



Contact Person for Air Pollution Matters: Provide a contact person for air pollution matters. This individual will be considered the point of contact for correction requests associated with this form.

CERIS-ND Input:

Section B – Notification Information

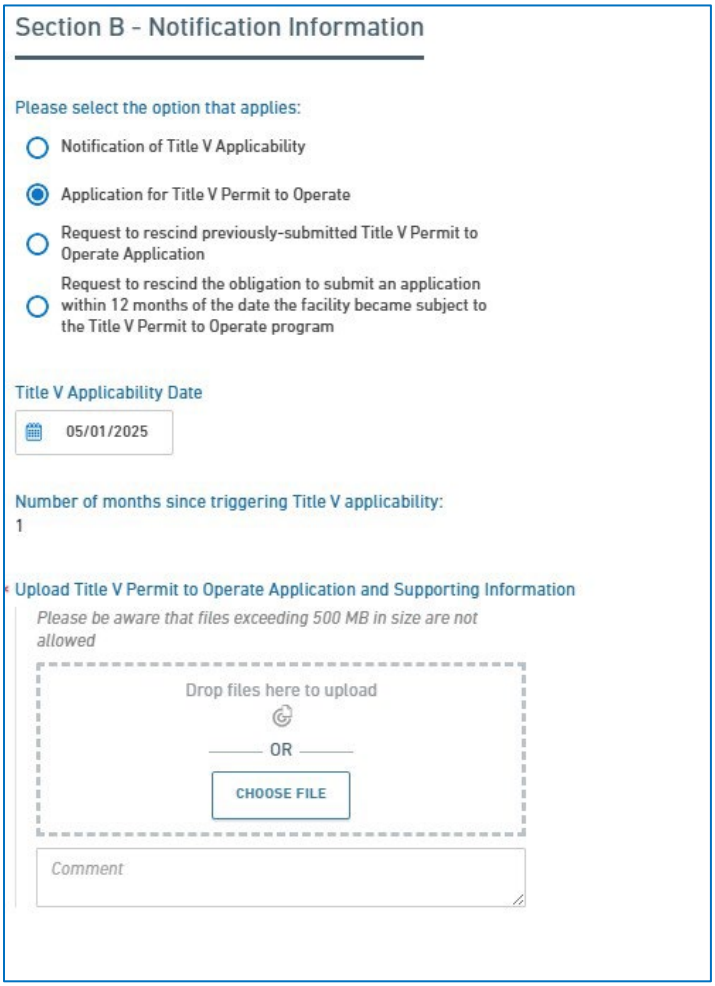
Please select the option that applies: Select "Application for Title V Permit to Operate".

Title V Applicability Date: Provide the date on which the exceedance occurred.

File Attachment(s): Upload Title V Application and any supporting information.

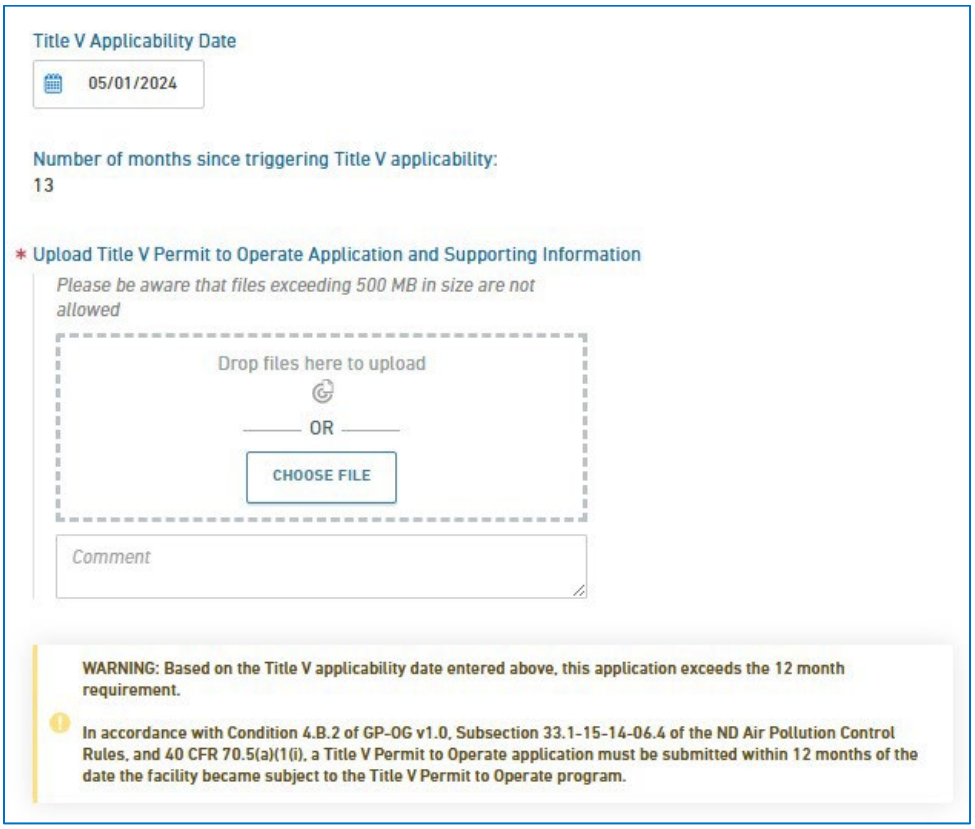
CERIS-ND Input:

Example: Title V Applicability Date: 05/01/2025 (<12 months)



- The Department has enabled a feature in this form which tracks the number of months since the facility exceeded Title V thresholds, based upon the date entered. When the number of months exceeds 12 (1 year), an automatic notification will appear on the form, denoting a failure to submit a Title V application to the Department within the time specified in 4.B.2 of GP-OG v1.0, NDAC Subsection 33.1-15-14-06.4, and 40 CFR 70.5(a)1(i). The form will still be able to be completed and submitted if this note is present.

Example: Title V Applicability Date: 05/01/2024 (> 12 months)



Appendix G

Title V Source Status Rescindment for Previously-Submitted Applications

Instructions:

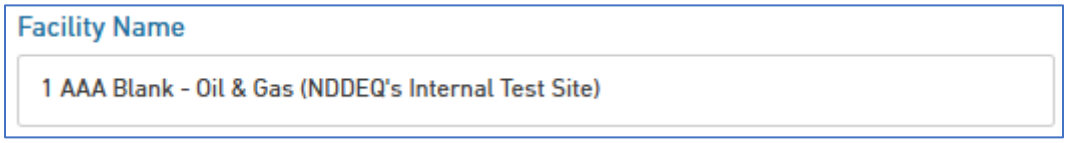
This form has been developed as a multipurpose tool for submitting Title V notifications, applications, and application rescindment requests. The instructions in this appendix pertain to the following:

- Request a rescindment of a previously-submitted application.

Section A – Facility Information

Facility Name: Provide the formal name of the facility as determined by the company / owner / operator.

CERIS-ND Input:



Contact Person for Air Pollution Matters: Provide a contact person for air pollution matters. This individual will be considered the point of contact for correction requests associated with this form.

CERIS-ND Input:

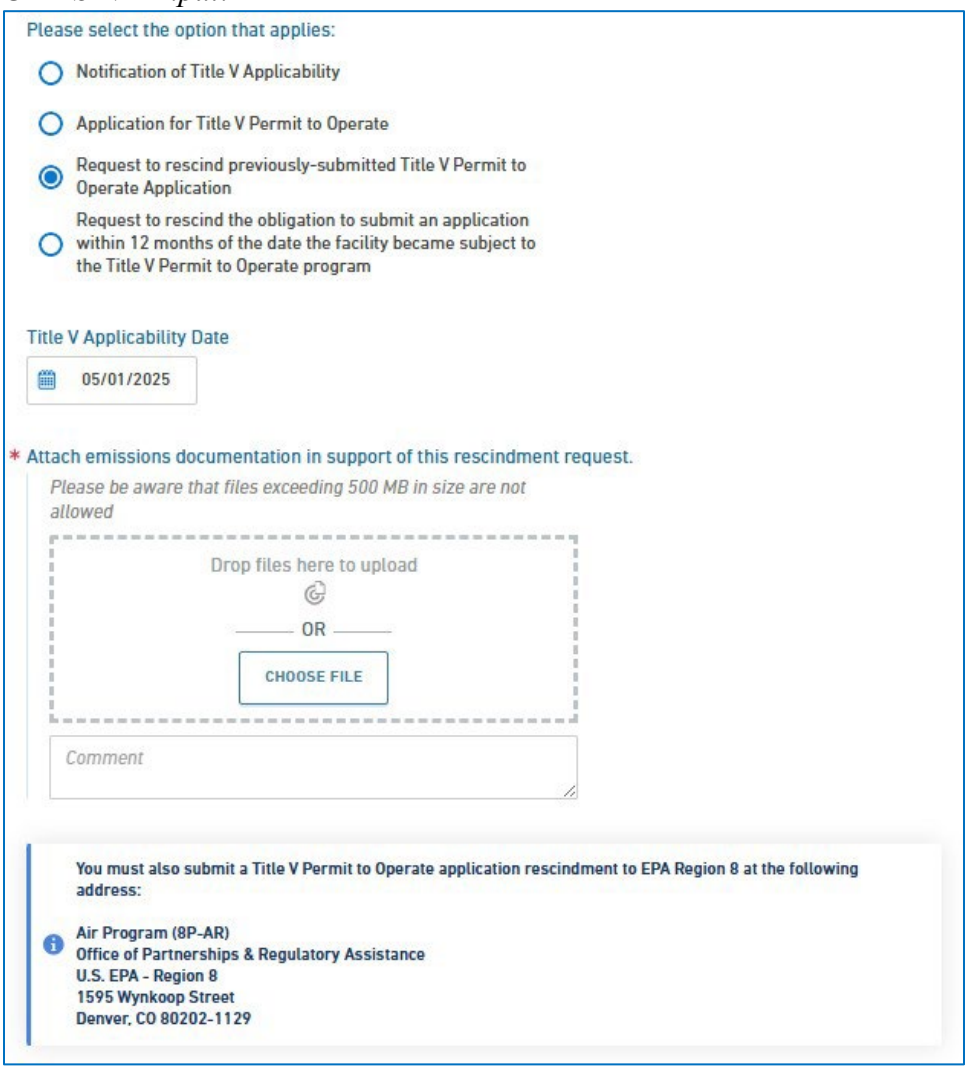
Section B – Notification Information

Please select the option that applies: Select "Request to rescind previously-submitted Title V Permit to Operate Application".

Title V Applicability Date: Provide the date on which the exceedance occurred.

File Attachment(s): Upload supporting documentation indicating that emissions have gone below Title V thresholds.

CERIS-ND Input:



Appendix H

Title V Source Status Rescindment of Obligation to Submit Application

Instructions:

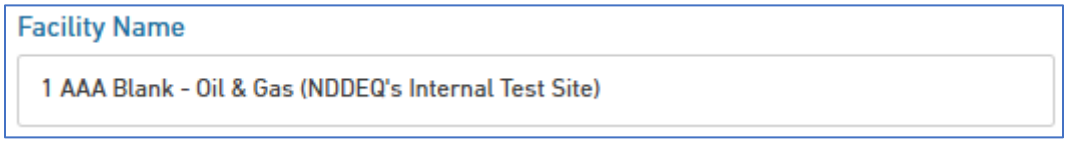
This form has been developed as a multipurpose tool for submitting Title V notifications, applications, and application rescindment requests. The instructions in this appendix pertain to the following:

- Request a rescindment of the obligation to submit an application due to emissions falling below major source thresholds prior to an application being due.

Section A – Facility Information

Facility Name: Provide the formal name of the facility as determined by the company / owner / operator.

CERIS-ND Input:



Contact Person for Air Pollution Matters: Provide a contact person for air pollution matters. This individual will be considered the point of contact for correction requests associated with this form.

CERIS-ND Input:

Section B - Notification Information

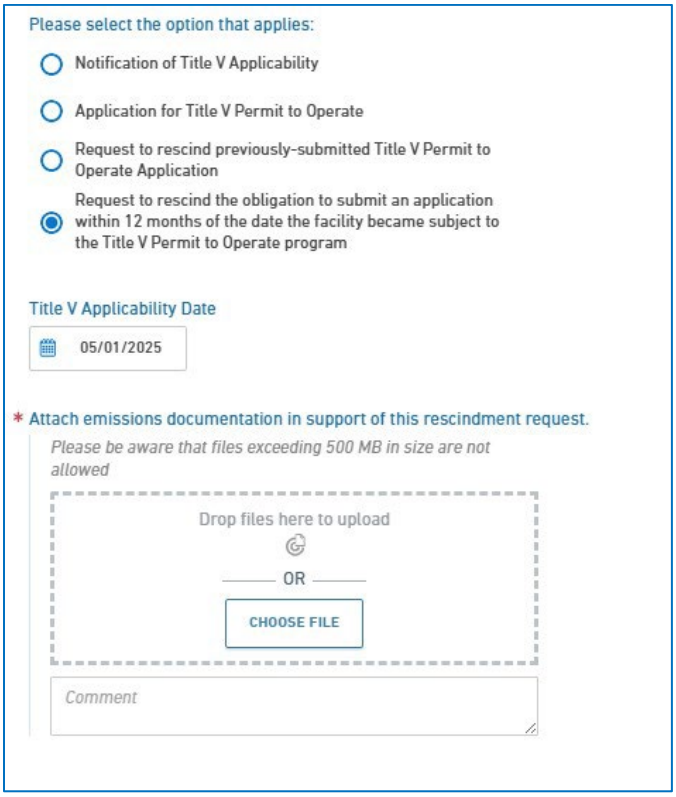
Please select the option that applies: Select "Request to rescind the obligation to submit an application within 12 months of the date the facility became subject to the Title V Permit to Operate program".

Title V Applicability Date: Provide the date on which the exceedance occurred.

File Attachment(s): Upload supporting documentation indicating that emissions have gone below Title V thresholds.

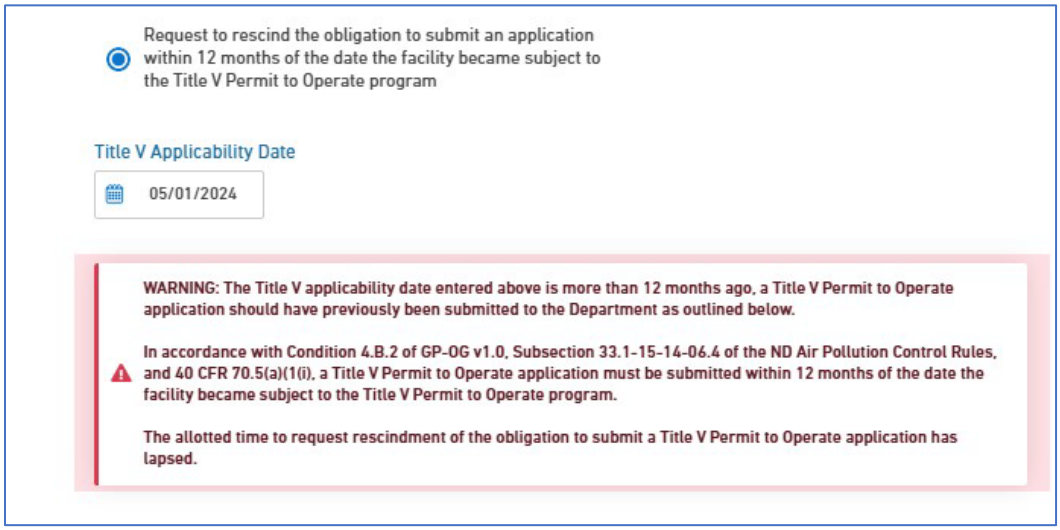
CERIS-ND Input:

Example: Title V Applicability Date: 05/01/2025 (< 12 months)



- The Department has enabled a feature in this form which tracks the number of months since the facility exceeded Title V thresholds, based upon the date entered. When the number of months exceeds 12 (1 year), an automatic warning will appear on the form, denoting a failure to submit a Title V application to the Department within the time specified in 4.B.2 of GP-OG v1.0, NDAC Subsection 33.1-15-14-06.4, and 40 CFR 70.5(a)1(i). The form will not be able to be completed and submitted if this note is present, as the time allowed to request rescindment has been exceeded.

Example: Title V Applicability Date: 05/01/2024 (> 12 months)



Appendix I

Prevention of Significant Deterioration (PSD) Threshold Exceedance Notification

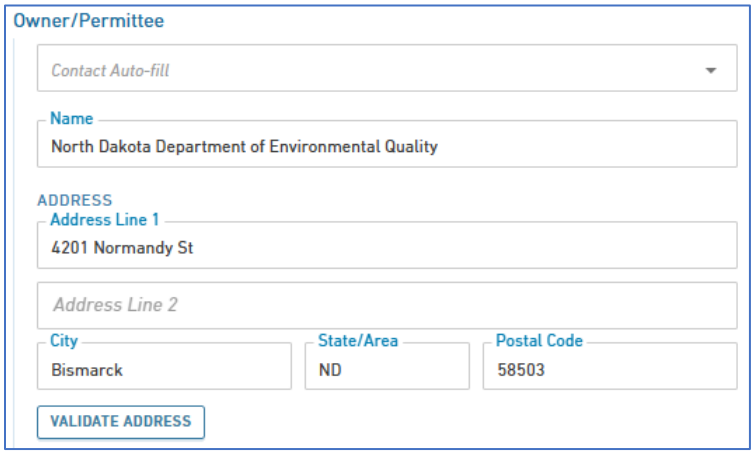
Instructions:

- This notification should be submitted using the *"Air General Compliance Submittal"* form.
- This method of notification can be used to fulfill Condition 4.C of GP-OG.
- NOTE: To maintain compliance with Permit Condition 4.C.1 of the GP-OG, notification of the PSD exceedance must be submitted to the Department within one business day of discovery.

Section A – General Information

Owner / Permittee: Provide the owner / operator name of the facility as described in the Department of Mineral Resources- Oil and Gas Division Well Index and the owner / operator's address. This address should be representative of the primary office in which the owner / operator would like regulatory correspondence addressed and mailed.

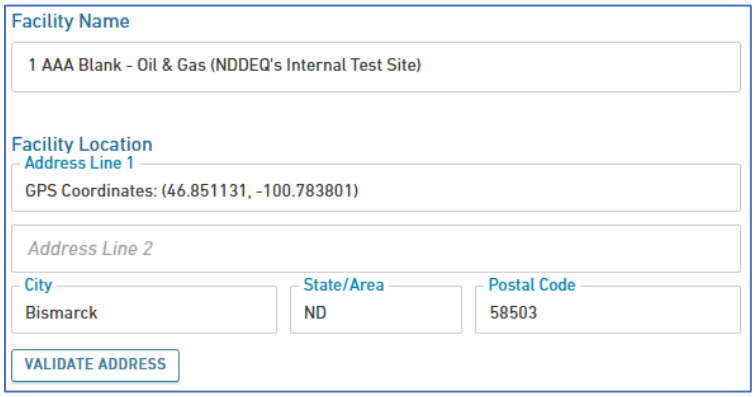
CERIS-ND Input:



Facility Name: Provide the formal name of the facility as determined by the company / owner / operator.

Facility Location (GPS Coordinates): Provide the GPS Coordinates of the facility. If the facility is composed of several well pads, provide the location in which the majority of the process equipment is located.

CERIS-ND Input:



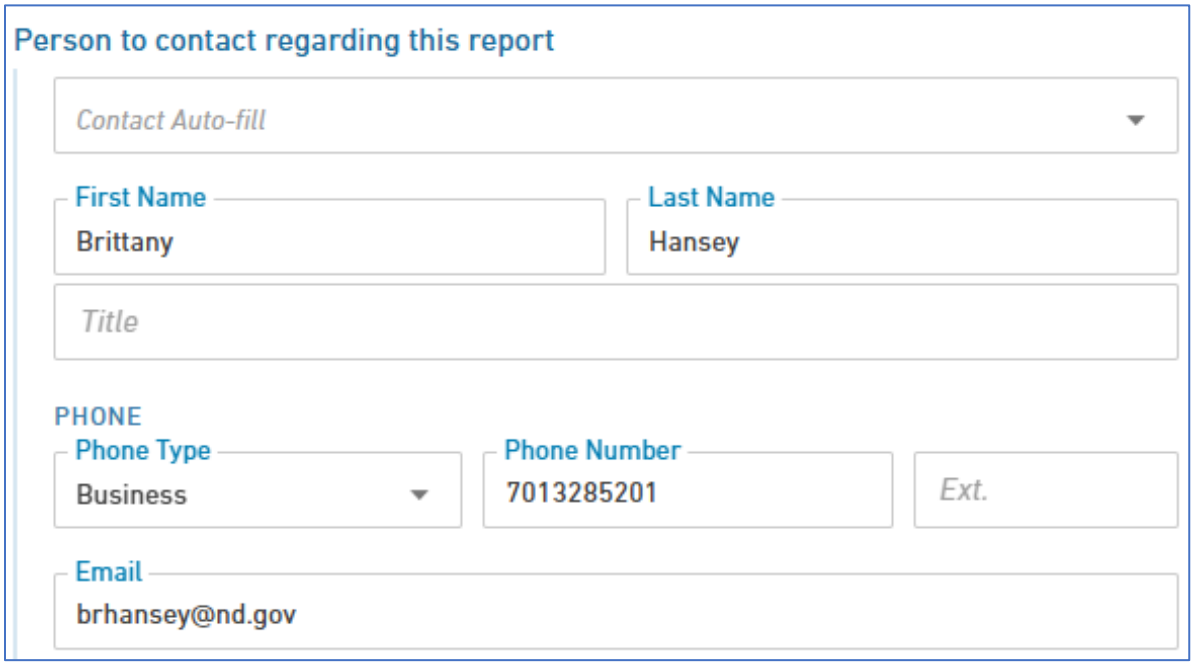
Subject: Provide a brief description of the cause of the PSD exceedance.

CERIS-ND Input:

Section B – Contact Information

Person to contact regarding this report: Provide a contact person for air pollution matters. This individual will be considered the point of contact for correction requests associated with this form.

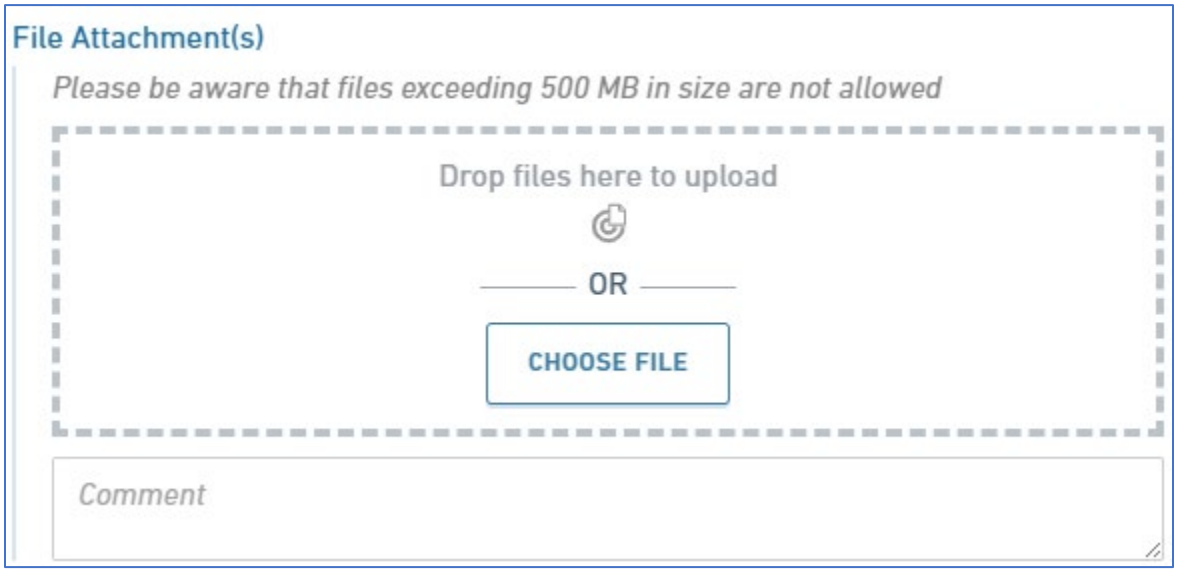
CERIS-ND Input:



Section C – Attached Documentation

File Attachment(s): Upload a file attachment including an in-depth description of the cause of the PSD exceedance, date the exceedance occurred, duration of the exceedance, emissions calculations, and corrective actions.

CERIS-ND Input:



Appendix J

Unavoidable Malfunction Notification

Instructions:

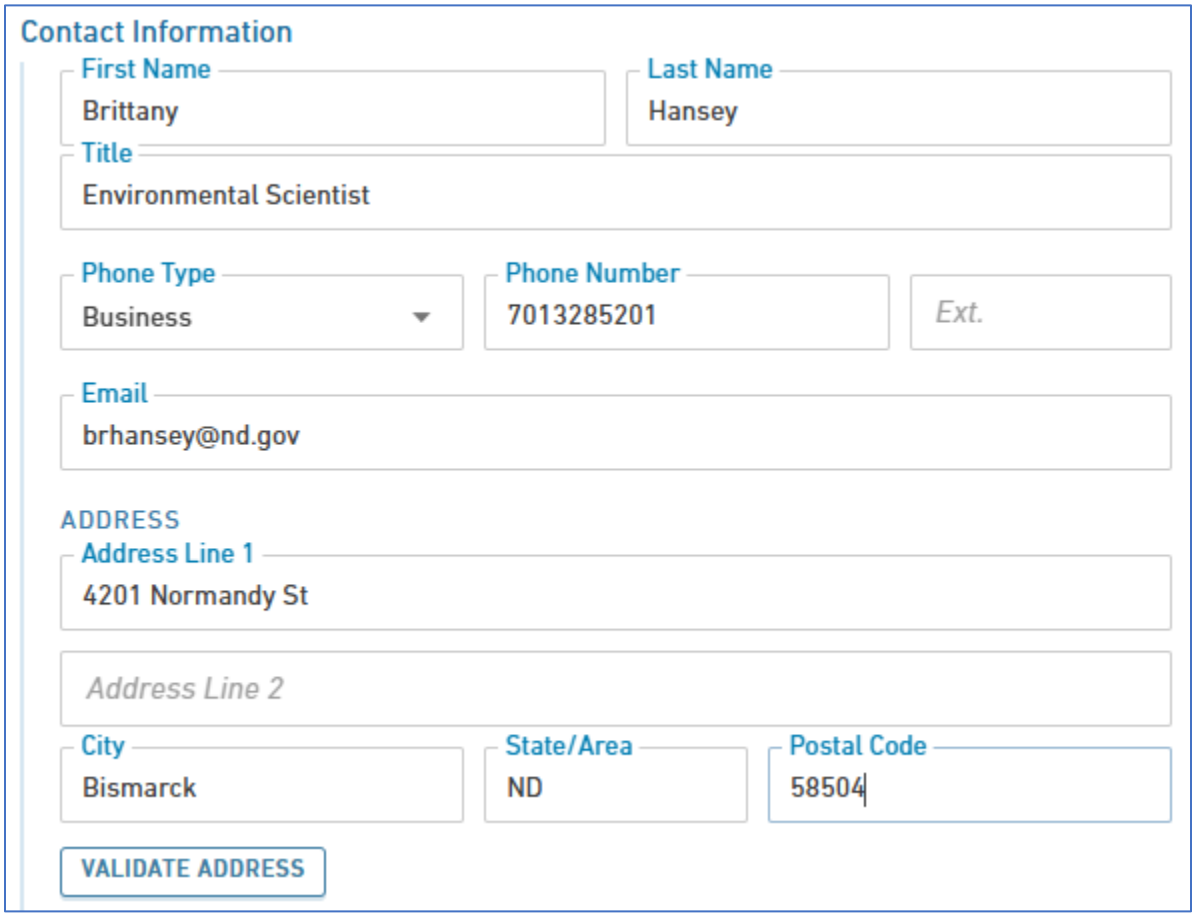
This form has been developed to provide a template for upstream oil & gas production facilities to submit the necessary follow-up information as described in NDAC 33.1-15-01-13 (2)(c). The Department will use the information provided, and any supporting documentation supplied by the owner or operator, to make a determination on a case-by-case basis regarding the validity of the unavoidable equipment malfunction and the potential pursuit of further enforcement action.

Though this form does cover all necessary requirements as detailed in NDAC 33.1-15-01-13 (2)(c), please be aware that the burden of proof relies on the owner or operator of the source. This may result in the Department requesting further information to ensure there is sufficient demonstration that the equipment malfunction was unavoidable.

Section A – Contact Information

Contact Information: Provide a contact person for air pollution matters. This individual will be considered the point of contact for correction requests associated with this form.

CERIS-ND Input:



Section B – Malfunction Description

Subject: Select the subject(s) of the malfunction from the dropdown menu.

Comment: Provide a description of the malfunction.

Estimated Duration: Provide the estimated duration of the malfunction as described in the initial notification submitted per NDAC 33.1-15-01-13(2)(a).

CERIS-ND Input:

Section C – Unavoidable Malfunction Determination

The excess emissions were caused by a sudden, unavoidable breakdown of technology that was beyond the reasonable control of the owner or operator: Comment is required. N/A is not an acceptable comment, unless uploading comment as a file attachment.

The excess emissions could not have been avoided by better operation and maintenance, did not stem from an activity or event that could have been foreseen and avoided or planned for: Comment is required. N/A is not an acceptable comment, unless uploading comment as a file attachment.

To the extent practicable, the source maintained and operated the air pollution control equipment and process equipment in a manner consistent with good practice for minimizing emissions, including minimizing any bypass emissions: Comment is required. N/A is not an acceptable comment, unless uploading comment as a file attachment.

Any necessary repairs were made as quickly as practicable, using off-shift labor and overtime as needed and possible: Comment is required. N/A is not an acceptable comment, unless uploading comment as a file attachment.

All practicable steps were taken to minimize the potential impact of the excess emissions on ambient air quality: Comment is required. N/A is not an acceptable comment, unless uploading comment as a file attachment.

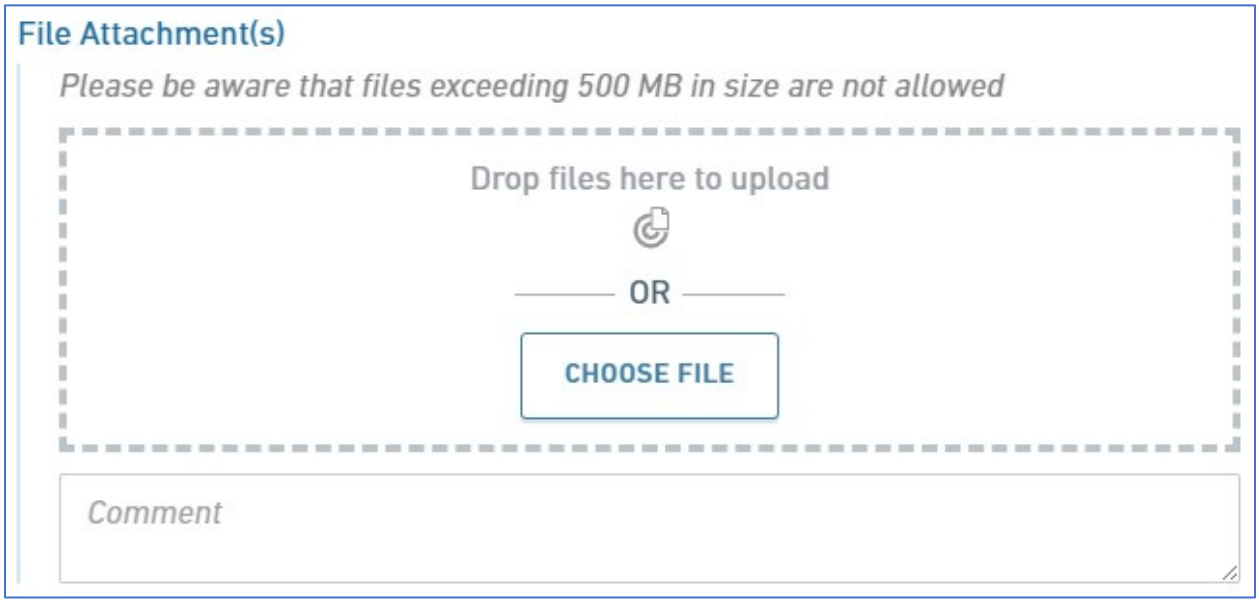
The excess emissions are not part of a recurring pattern that may have been caused by inadequate operation or maintenance or inadequate design of the malfunctioning equipment: Comment is required. N/A is not an acceptable comment, unless uploading comment as a file attachment.

CERIS-ND Input:

Section D – Attached Documents

File Attachment(s): Provide any additional pertinent information (optional).

CERIS-ND Input:



Appendix K

Oil & Gas Change of Ownership Notification

Instructions:

Per GP-OG Condition 7.G., the Department must be notified within 30 days following any change of ownership. Notification must be provided by the NEW owner via CERIS-ND by completing this form under the company's general file. The notification must include the buyer / transferee company information, seller / transferor company information, effective date of transfer of permit responsibility, coverage, and liability, and a complete list of assets changing ownership.

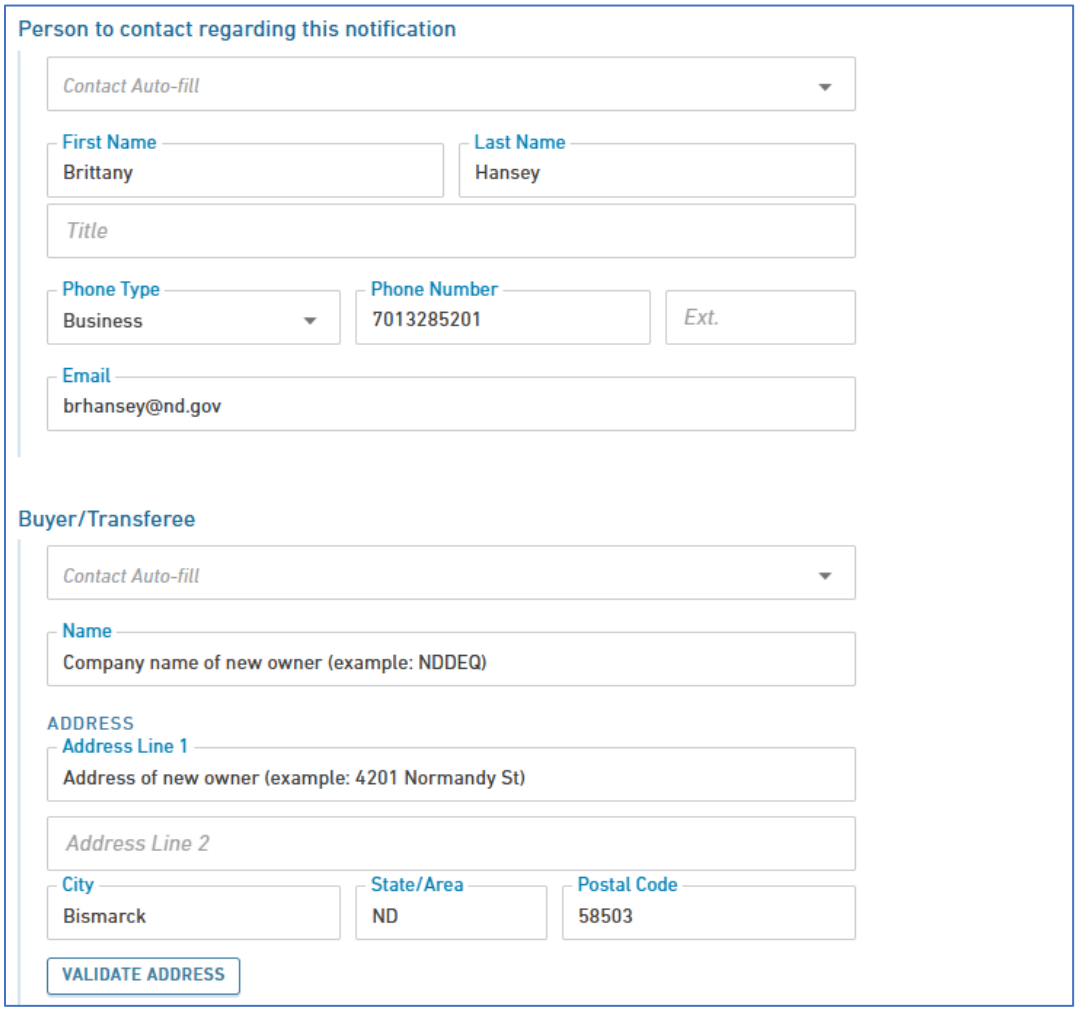
Upon review, the Department will determine whether to approve the transfer of the general permit(s) to the new owner.

Section A – Buyer / Transferee Information

Person to contact regarding this notification: Provide a contact person for air pollution matters. This individual will be considered the point of contact for correction requests associated with this form.

Buyer / Transferee: Provide the company information for the new owner of the assets changing ownership.

CERIS-ND Input:



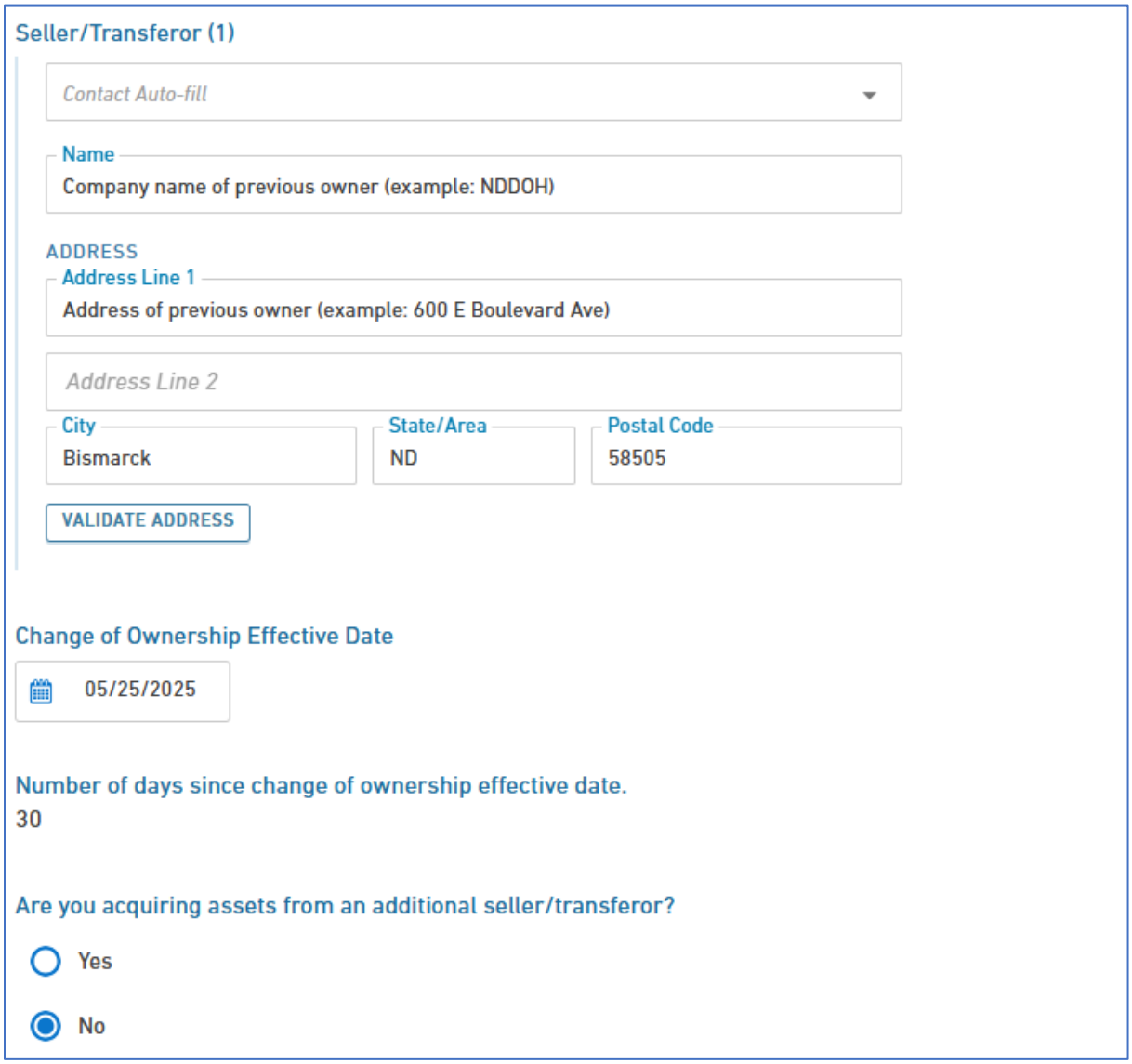
Section B (1) – Seller / Transferor Information

Seller / Transferor: Provide the company information for the previous owner of the assets changing ownership.

Change of Ownership Effective Date: Provide the date of transfer of permit responsibility, coverage, and liability.

Are you acquiring assets from an additional seller / transferor: If acquiring assets from additional companies, select "Yes" and complete Sections B(2) and B(3) if applicable.

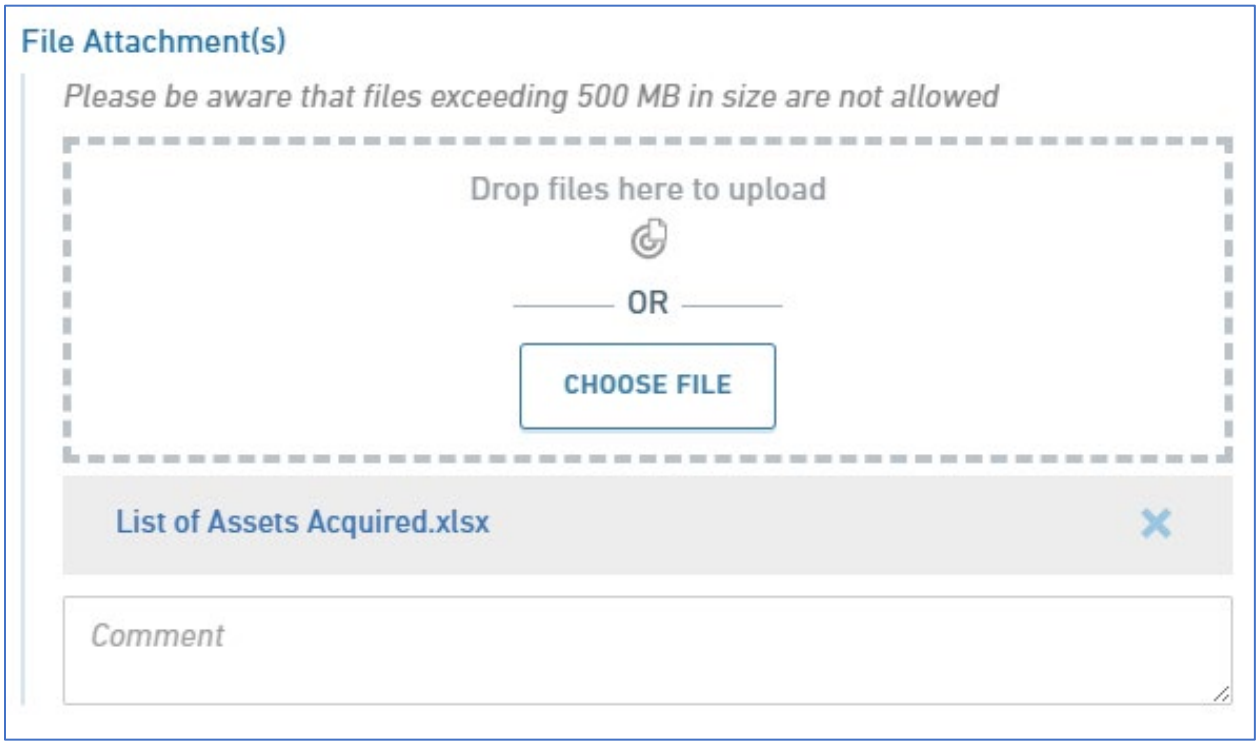
CERIS-ND Input:



Section C – Attached Documentation

File Attachment(s): Upload a complete list of assets changing ownership.

CERIS-ND Input:



Appendix L

Stack Test Protocol Submission

Instructions:

This form should be used for attaching and submitting documents for an Emissions Test Protocol Submission as required by GP-OG Condition 5.A.

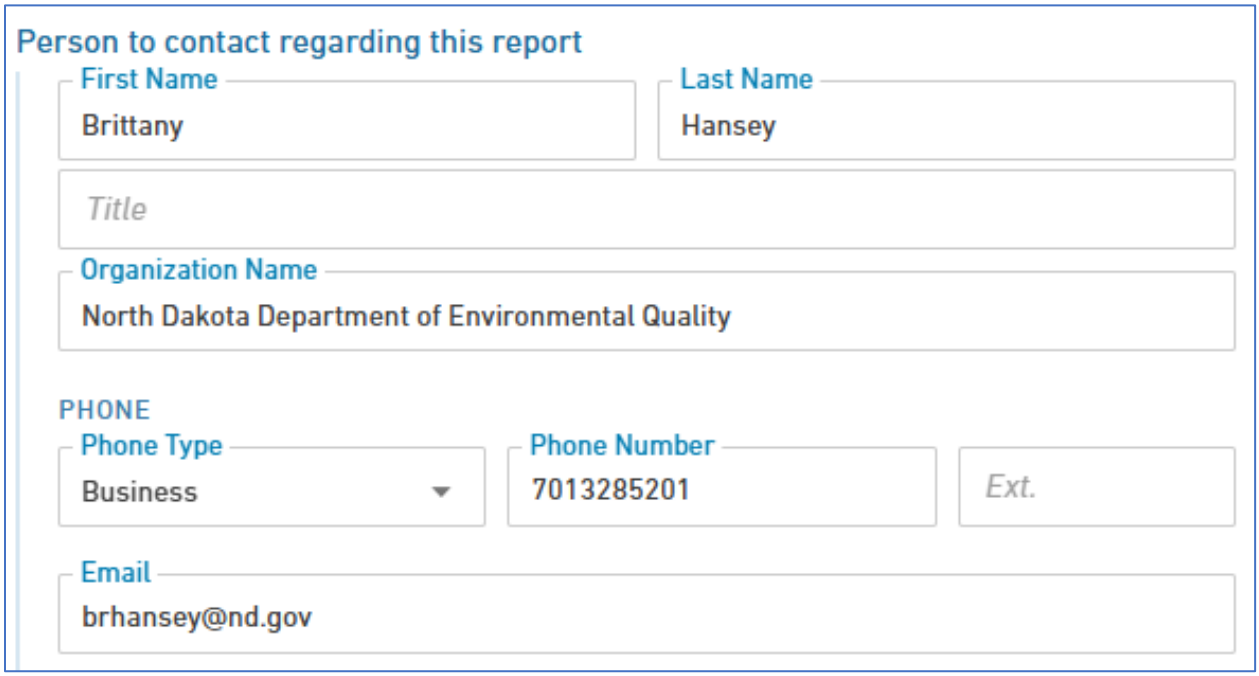
Tests are normally performed by independent testing companies with expertise in the applicable test method(s) being conducted. The Department must be notified at least 30 days prior to testing to allow sufficient time for:

- A Department review of the proposed test procedures and, if necessary, a test site inspection
- A pre-test meeting with Department staff, (if necessary).
- Scheduling a Department representative to observe the performance test.

Section A – Contact Information

Person to contact regarding this report: Provide a contact person for air pollution matters. This individual will be considered the point of contact for correction requests associated with this form.

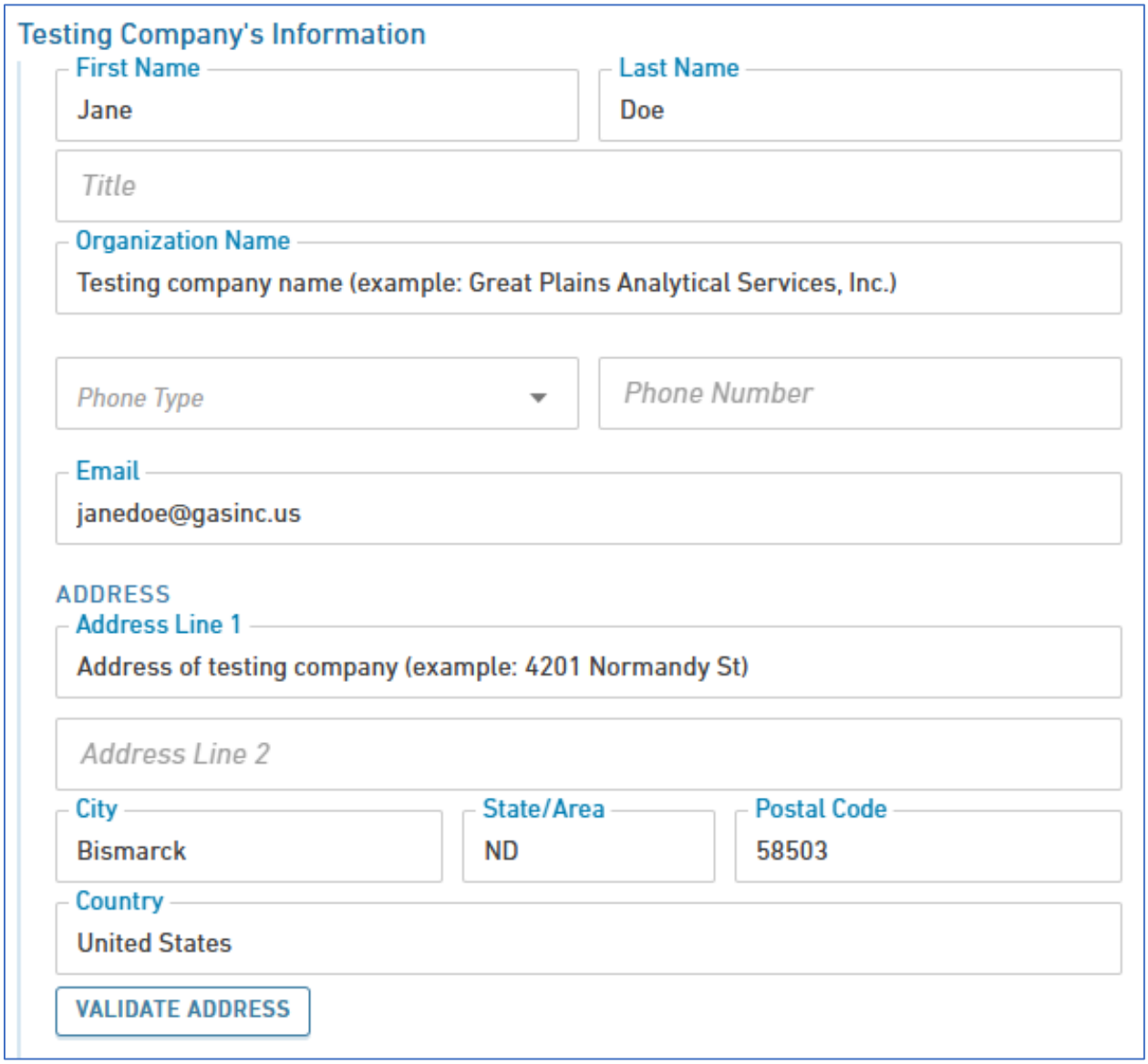
CERIS-ND Input:



Section B – Testing Company

Testing Company's Information: Provide a point of contact from the testing company for correction requests associated with this form.

CERIS-ND Input:



Section C – Test Units and Dates

Testing Reason: Select which option applies from the dropdown menu.

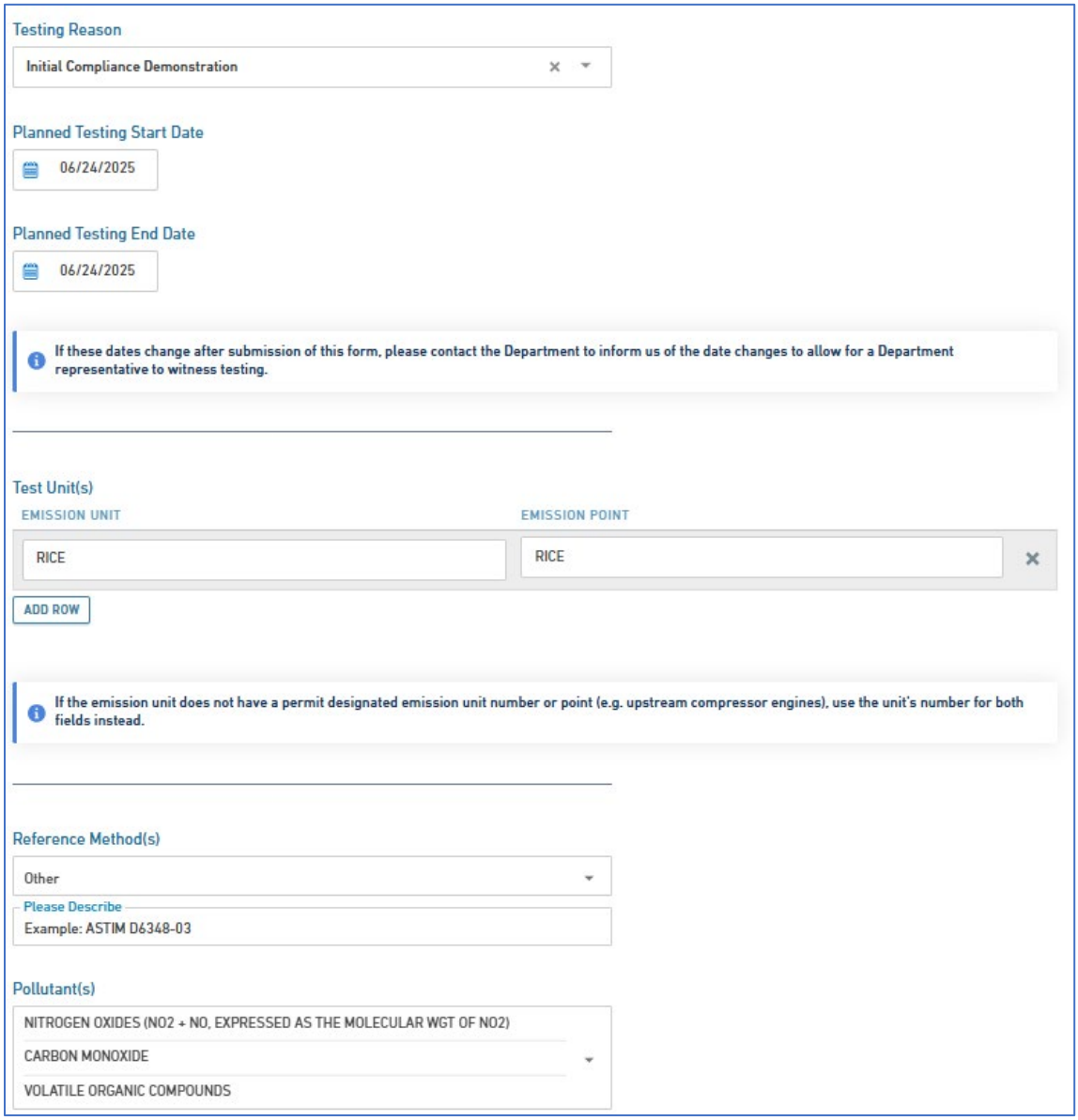
Planned Testing Start and End Dates: Provide the scheduled start and end dates of the testing.

Test Unit(s): Enter all emission units and associated emission points for each unit to be tested.

Reference Method(s): Select all applicable reference methods planned for the testing.

Pollutant(s): Select all pollutants to be tested.

CERIS-ND Input:



Section D – Test Protocol Upload

File Attachment(s): Upload the test protocol provided by the testing company.

CERIS-ND Input:

Appendix M

Air Stack Test Reports

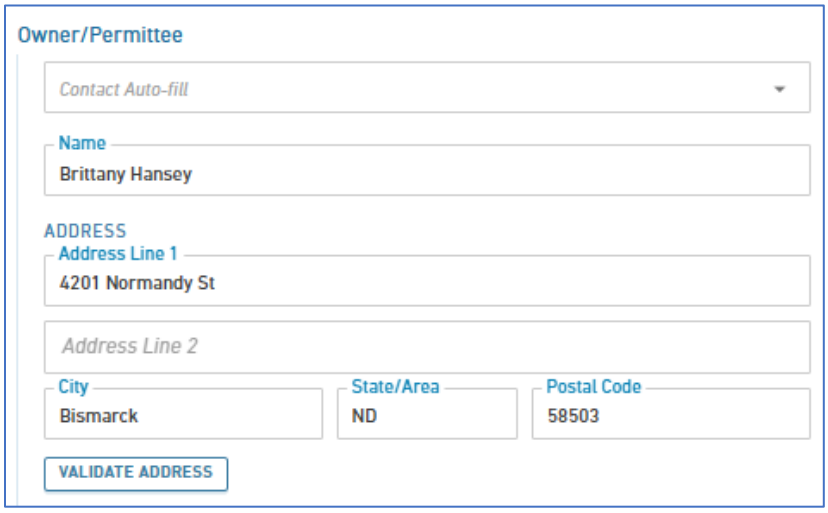
Instructions:

This form should be used to report information about a stack test conducted as required by GP-OG Condition 5, and as required under applicable state and federal regulations.

Section A – General Information

Owner / Permittee: Provide the owner / operator name of the facility as described in the Department of Mineral Resources- Oil and Gas Division Well Index and the owner / operator's address. This address should be representative of the primary office in which the owner / operator would like regulatory correspondence addressed and mailed.

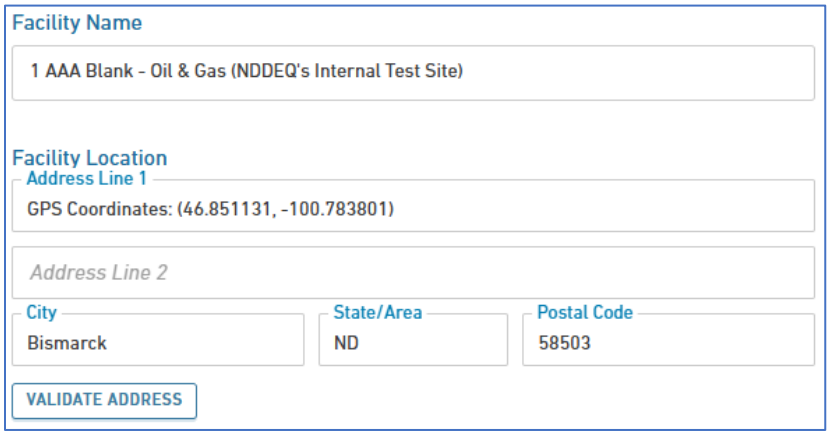
CERIS-ND Input:



Facility Name: Provide the formal name of the facility as determined by the company / owner / operator.

Facility Location (GPS Coordinates): Provide the GPS Coordinates of the facility. If the facility is composed of several well pads, provide the location in which the majority of the process equipment is located.

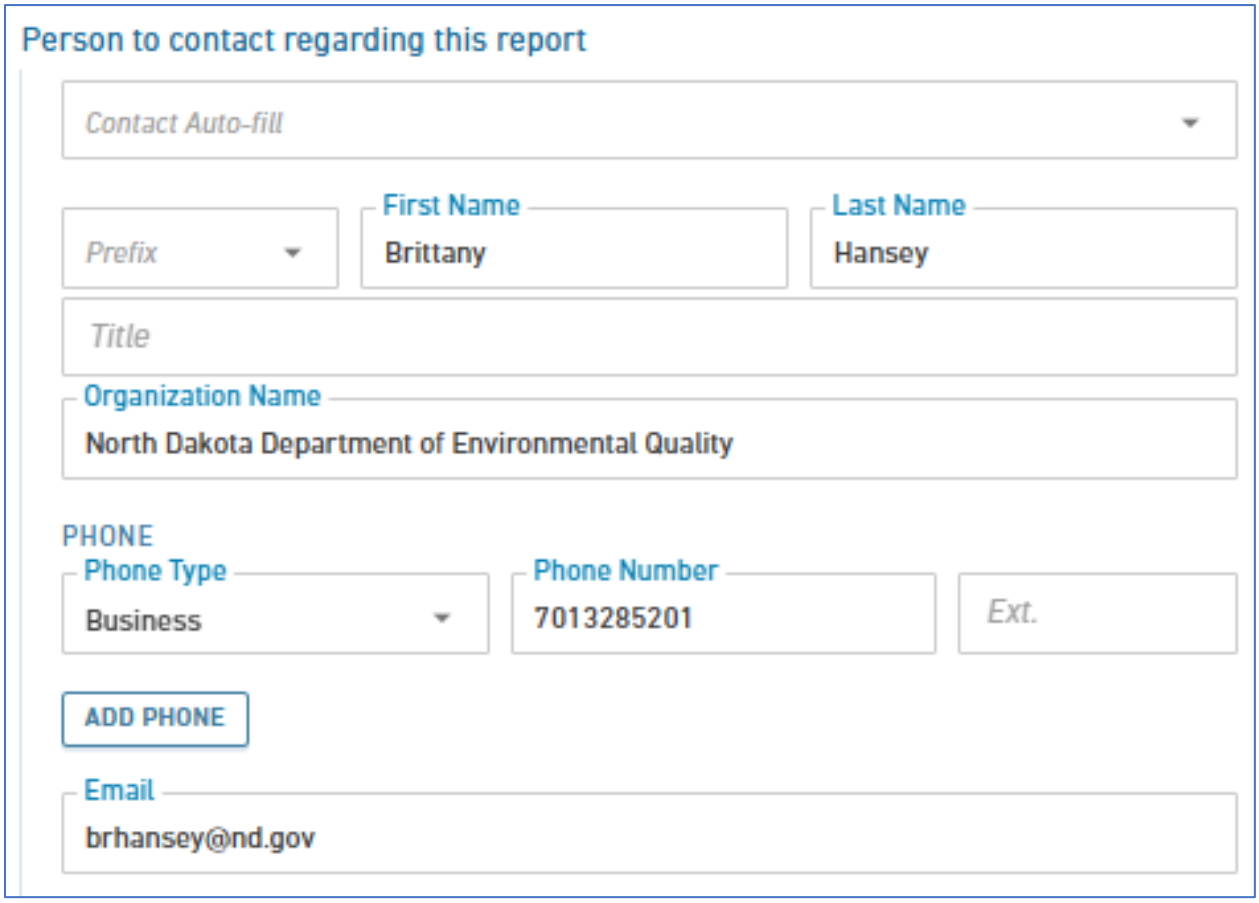
CERIS-ND Input:



Section B – Report Information

Person to contact regarding this report: Provide a contact person for air pollution matters. This individual will be considered the point of contact for correction requests associated with this form.

CERIS-ND Input:



Section C – Test Information

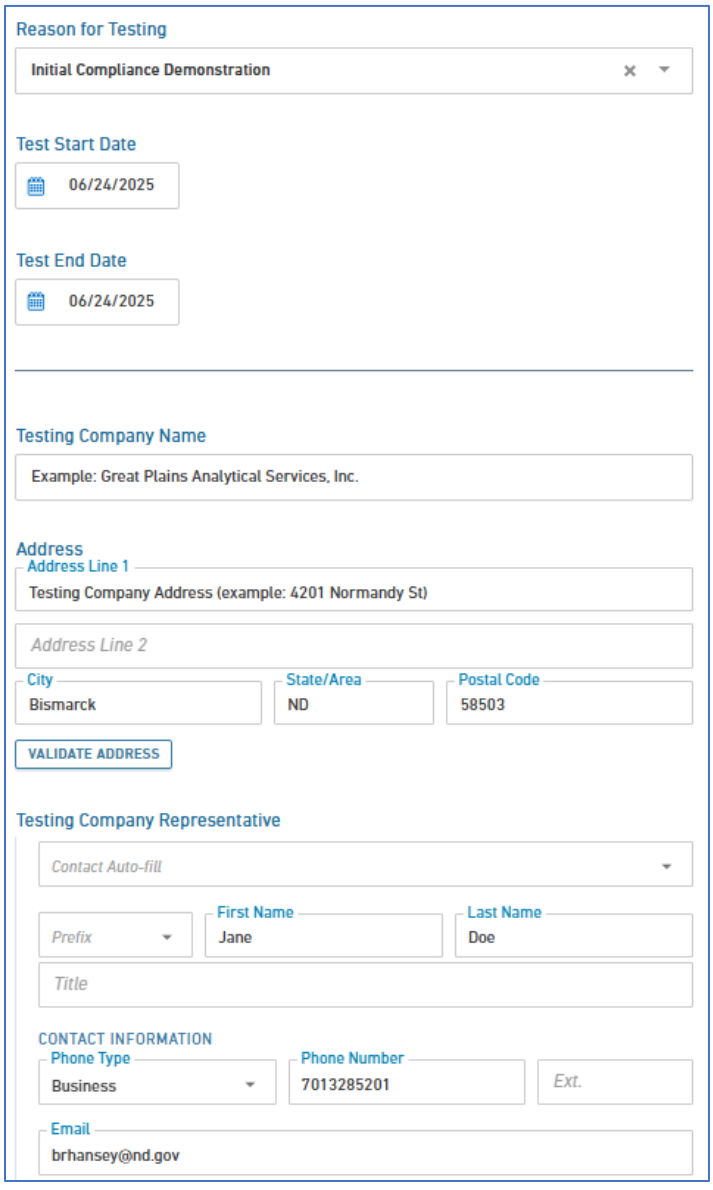
Reason for Testing: Select which option applies from the dropdown menu.

Test Start and End Date: Provide the actual start and end dates of the test.

Testing Company Name and Address: Provide the name and address of the company that conducted the testing.

Testing Company Representative: Provide a point of contact from the testing company for correction requests associated with this form.

CERIS-ND Input:



Section D – Test Results

Emission Unit: Provide the emission unit name, as listed in the GP-OG.

SN: Provide the serial number of the emission unit.

Manufactured Date: Provide the manufacture date of the emission unit.

Rating: Provide the rating of the emission unit.

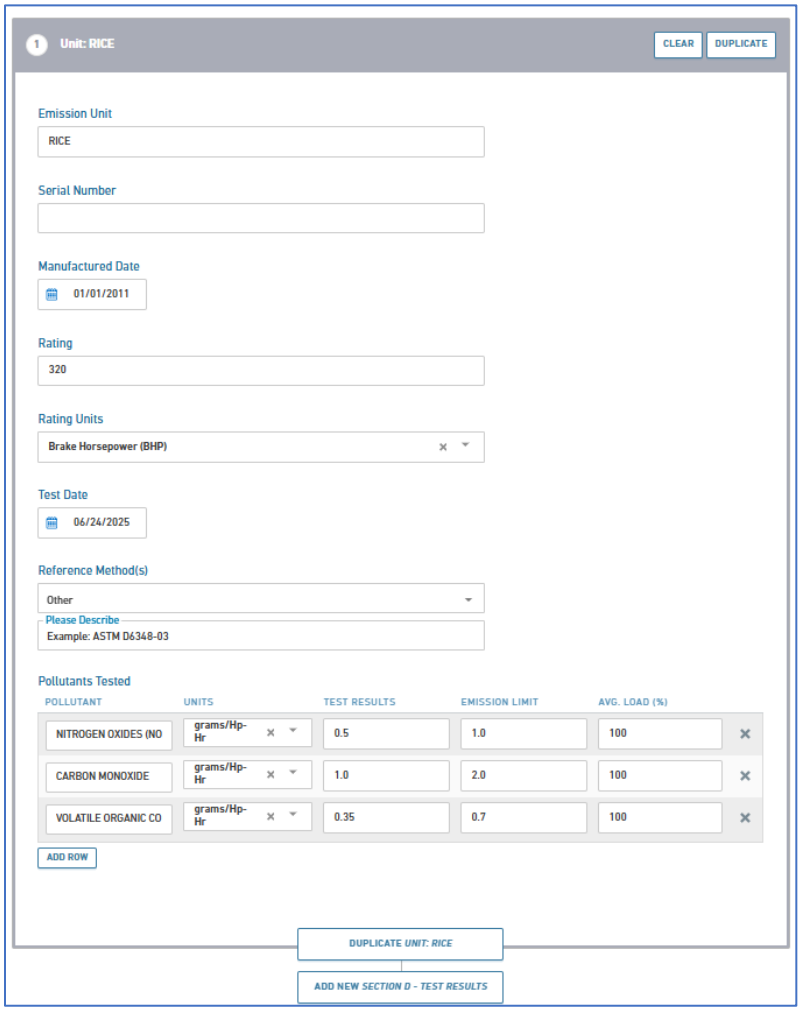
Rating Units: Provide the rating units of the emission unit.

Test Date: Provide the date that the emission unit was tested.

Reference Method(s): Select all applicable reference methods utilized during the testing.

Pollutant(s) Tested: Enter all pollutants tested for, as well as the test results, as indicated in the test report.

CERIS-ND Input:



Section E – Attach Test Report(s)

File Attachment(s): Upload the test report provided by the testing company.

CERIS-ND Input:

Appendix N

Control of Storage Tanks at Shut-In Upstream Production Facilities

---

NORTH Dakota | Environmental Quality
Be Legendary.

MEMO TO : Oil Production Facility Operators and Interested Parties

FROM : James L. Semerad
Director
Division of Air Quality

RE : Control of Storage Tanks at Shut-In Upstream Production Facilities

DATE : August 23, 2021

Under normal operating conditions, volatile organic compound (VOC) emissions from storage tanks at upstream production facilities are required to be controlled by a flare or an equally effective control device under North Dakota Administrative Code (NDAC) 33.1-15-07-02.1.

Several upstream production companies have expressed concerns with operating control devices, flares in particular, to control emissions from the storage tanks associated with shut-in facilities due to the potential for oxygen to infiltrate the tanks, which may present an explosion hazard.

NDAC 33.1-15-07-02.1 states:

"Minor sources, as determined by the department and not subject to New Source Performance Standards, may be granted exemptions to this subsection."

Once the entire facility has been shut-in and throughput to the tanks has ceased, VOC emissions from the storage tanks associated with the facility are expected to be minimal since the emissions will be almost entirely due to breathing losses. Given this, VOC emissions from storage tanks associated with shut-in facilities are considered to be a minor source of VOC emissions and control of VOC emissions is not required under NDAC 33.1-15-07-02.1.

The Department must be notified of any shut-in facility where emissions are not being controlled. The notification must be submitted within 15 days after control of emissions ceases via CERIS-ND. Within the site, select "Apps, Requests and Reports", under the "Applications & Service Requests" header, select "Start New Form". Submit the notification using the "Air General Notification" form.

Note that this policy only applies to controls required under NDAC 33.1-15-07-02.1. This policy does not affect other requirements of NDAC 33.1-15 including, but not limited to, NDAC 33.1-15-02 (Ambient Air Quality Standards), 33.1-15-12 (New Source Performance Standards) and NDAC 33.1-15-20 (Control of Emissions from Oil and Gas Well Production Facilities). In addition, if maximum expected VOC emissions from the storage tanks at the facility exceed 20 tons/year, the Department does not consider the emissions from the storage tanks to be a minor source of emissions and control of VOC emissions from the tanks is required. Any questions regarding this policy can be directed to Wyatt Peterson at 701.328.5184 or at wyatt.peterson@nd.gov.

JLS/CDT:saj

918 East Divide Avenue | Bismarck ND 58501-1947 | Fax 701-328-5200 | deq.nd.gov

Director's Office 701-328-5150
Division of Air Quality 701-328-5188
Division of Municipal Facilities 701-328-5211
Division of Waste Management 701-328-5166
Division of Water Quality 701-328-5210
Division of Chemistry 701-328-6140 2635 East Main Ave Bismarck ND 58501