

WDEQ IMPACT Training

Instructions for submitting a New Source Review (NSR) permit application via IMPACT for a new natural gas-fired Engine Emission Unit. The engine will fire diesel fuel as a secondary fuel:

Step 1: From the IMPACT Home Page select "Create an NSR Permit Application".

New Tasks
Select from the lists below to create a new task

Facility Management	Permitting
Make a Facility Inventory Change	Create an NSR Permit Application
Make a change to the Facility Contact(s)	Create a Title V Permit Application

Emissions Reporting	Compliance Reporting
Create an Emissions Inventory	Create a Stack Test Report
	Create a Compliance Report

Step 2: You have the option to either select "Facility-requested correction to application" or "Copy data from existing application", or just select "Create" from the pop-up box. For our example we will select "Create".

New Application - Google Chrome
https://impactpub.stage.wyo.gov/_ADFv__jsf?_afPfm=8&t=fred&_vir=/applicati

Facility ID : F025927
Request type : NSR Application
Facility-requested correction to application :
Copy data from existing application :
[Create](#) [Cancel](#)

Step 3: Select “Edit” at the bottom of the page to make changes to the facility level information.

To Delete the attachment, or to Edit attachment description, click in the Attachment ID column.

Attachment type explanation

Step 4: Populate all fields under “Purpose of the Application”. Complete as much information as possible, but all fields with an asterisk (*) are required data fields. Depending on how you answer the questions shown in the screen shot below, you may have additional questions pop up and the permit application will require additional attachments at the bottom of the page. The screen shot below indicates the data we will use for this unit.

NSR Application

This information should be filled out for each New Source Review (NSR) application. An NSR permit is required for all air contaminant sources (emissions units) installed or modified after January 1, 1974. See the application instructions for additional information.

▼ Purpose of Application

Please summarize the reason this permit is being applied for.

New engine.

* Has the facility changed location or is it a new/greenfield facility? : ▼

* Does production at this facility contain H2S? : ▼

Step 5: Populate all fields under “Federal Rules Applicability – Facility Level” and “Trade Secret Information”. Please note: at this time the “Trade Secret Information” is automatically selected as “No” in IMPACT. You may submit confidential/trade secret information as an attachment at the bottom of the page. You will need an explanation of why the information is justified to be confidential. The screen shot below indicates the responses for the new engine for this exercise.

▼ Federal Rules Applicability - Facility Level

Prevention of Significant Deterioration (PSD) : ▼

These rules are found under WAQSR Chapter 6, Section 4.

Non-Attainment New Source Review : ▼

These rules are found under WAQSR Chapter 6, Section 13.

▼ Trade Secret Information

Yes No : One or more Emissions Units in this application contains trade secret information. This is a system generated indicator.

Step 5: Select “Load Contact from Facility Contacts”. A pop-up box will appear where you can either select an appropriate existing contact or create a new contact for this permit application.

▼ Permit Application Contact

Newly created contacts and application contact changes will be saved when the application is saved.

Step 6: Populate all fields under “Modeling Section”. Screen shot below indicates the responses for our exercise for the new engine. Depending on how the questions are answered on this page, additional attachments will be required in the “Attachments” section. Once all fields are complete, upload the required attachments. When the required attachments are uploaded successfully a green checkmark will appear under the “Status ID”. You also have the option to attach optional files. Once complete select “Save”.

Modeling Section

Ambient Air Quality Impact Analysis: WAQSR Chapter 6, Section 2(c)(ii) requires that permit applicants demonstrate that a proposed facility will not prevent the attainment or maintenance of any ambient air quality standard.

If air quality modeling is used for this demonstration, please review the Air Quality Division's modeling guidance documents; available on the [External References](#) page.

* Has the applicant contacted Air Quality Division to determine if modeling is required? :

* Is a modeling analysis part of this application? :

* Is the proposed project subject to Prevention of Significant Deterioration (PSD) requirements? :

Attachments

*There are 2 required attachments

Status ID	Attachment Type	Description	Trade Secret Document	Trade secret Justification
Upload	Process Flow Diagram		None Provided	N/A
Upload	Emissions Calculations		None Provided	N/A

[Add](#)

To Delete the attachment, or to Edit attachment description, click in the Attachment ID column.

[Attachment type explanation](#)

[Save](#) [Cancel](#)

Attachments

*There are 2 required attachments

Status ID	Attachment Type	Description
1518	Process Flow Diagram	Process Flow Diagram
1519	Emissions Calculations	Emission Calculations

[Click to Delete the attachment or to Edit the attachment description](#)

To Delete the attachment, or to Edit attachment description, click in the Attachment ID column.

[Attachment type explanation](#)

Step 7: From the upper left hand corner, click on “NSR Application”. Then select the unit that you want to include in the permit application. Alternately, you may select the “Select EUs” Button at the bottom of the page.

Application Detail

Facility ID: F025927 Facility Name: AQD Test Facility	NSR Application Number: A0000523 Request type: NSR Application	Submitted: No
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NSR Application

This information should be filled out for each New Source Review (NSR) application. An NSR permit is required for all air contaminant sources (emissions units) installed or modified after January 1, 1974. See the application instructions for additional information.

Purpose of Application

Please summarize the reason this permit is being applied for.

New engine.

Has the facility changed location or is it a new/greenfield facility? : No
 Does production at this facility contain H2S? : No

Federal Rules Applicability - Facility Level

Prevention of Significant Deterioration (PSD) : Not affected
These rules are found under WAQSR Chapter 6, Section 4.
 Non-Attainment New Source Review : Not affected
These rules are found under WAQSR Chapter 6, Section 13.

For additional description, click in the Attachment ID column.

Alternatively, you can select the “EU” button at the bottom of the page. A pop-up box will appear that allows you to select the emission units that you want to include in the permit application. Select the emission unit that you want in the “Emission Units Excluded” menu and click on the “Move” hyperlink to move that emission unit to the “Emission Units Included” box. Click “Save” when you are done.

Facility ID: F025927 Facility Name: AQD Test Facility	NSR Application Number: A0000524 Request type: NSR Application
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NSR Application

- AMN001
- AMN002
- AMN003
- BOL001
- DHY001
- ENG001
- ENG002
- ENG003
- ENG004
- ENG005
- ENG006
- FUG001
- FUG002
- FUG003
- TNK001
- TNK002

Emissions Units

Excluded EUs

- AMN001
- AMN002
- AMN003
- BOL001
- DHY001
- ENG001
- ENG002
- ENG003
- ENG004
- ENG005
- ENG006
- FUG001
- FUG002
- FUG003
- TNK001
- TNK002

Move

Move All

Remove

Remove All

Included EUs

- ENG006

Step 8: In the Facility Tree, select an Emission Unit that you would like to include in the application and click "Edit" at the bottom of the page. Populate all fields under "Source Installation or Modification Schedule", "Emission Unit Type Specific Information", and "Potential Operating Schedule". Complete as much information as possible but all fields with an asterisk (*) are required data fields. Note that the system does not accept commas.

Source Installation or Modification Schedule

Select reason(s) for this emissions unit being included in this application (must be completed regardless of date of ins modification):

- Construction(greenfield/new facility)
- Synthetic Minor
- Modification
- Temporary Permit
- Reconstruction
- Other

Date production began:  OR after permit has been issued:

Emission Unit Type Specific Information

Emission Unit Type : Engine

* Btu Content : * Units :

* Fuel Sulfur Content : * Units :

* Type of Service :

Potential Operating Schedule

Provide the operating schedule for this emissions unit

Hours/day :

Hours/year :

Step 9: Populate all fields under “Emissions Information. The first three columns of the table are optional. The “Efficiency Standards” refer to a standard of efficiency for the unit, such as an efficiency standard guaranteed by the source manufacturer or a Tier certified engine. The data shown in the screen shot below is for demonstration purposes only.

Emissions Information

Potential to emit means the maximum capacity of a source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored or processed, shall be treated as part of its design if the limitation is enforceable by the EPA and the Division. This term does not alter or affect the use of this term for any other purposes under the Act, or the term “capacity factor” as used in Title IV of the Act or the regulations promulgated thereunder.

▶Basis for Determination Options:

Criteria Pollutants :

Pollutant	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
		Potential to Emit (PTE)*	Units*			
Particulate emissions (PE/PM) (formerly particulate matter, PM)	1	1	gr/hp-hr	1	1	Manufacturer Data
PM # 10 microns in diameter (PE/PM10)	0	0		0	0	
PM # 2.5 microns in diameter (PE/PM2.5)	0	0		0	0	
Sulfur dioxide (SO2)	0	0		0	0	
Nitrogen oxides (NOx)	0	0		0	0	
Carbon monoxide (CO)	0	0		0	0	
Volatile organic compounds (VOC)	0	0		0	0	
Lead (Pb)	0	0		0	0	
Total Hazardous Air Pollutants (HAPs)	0	0		0	0	

Step 9: You have the option to add additional HAPs/toxics and GHG emissions. Calculations supporting all emissions entered should be submitted as an attachment. Be sure to include process variables, emission factors selected and emission factor source.

Hazardous Air Pollutants (HAPs) and Toxic Air Contaminants:

Select Pollutant Category	Pollutant	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			
<input type="button" value="Add"/> <input type="button" value="Delete Selected HAPs"/>							

Greenhouse Gases (GHGs):

Select Pollutant Category	Pollutant	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			
<input type="button" value="Add"/> <input type="button" value="Delete Selected GHGs"/>							

* Provide your calculations as an attachment and explain how all process variables and emissions factors were selected. Note the emission factor(s) employed and document origin. Example: AP-42, Table 4.4-3 (8/97); stack test, Method 5, 4/96; mass balance based on MSDS; etc.
 ** AQD Calculated - See 'Help' for more information.

Step 10: Complete the BACT, LAER, and Federal and State Rule Applicability Sections. The answers to these questions will dictate what attachments are required in the "Attachments" section. Select the federal rules the source is "subject" or "subject, but exempt" from the pull down menus. Screen shot indicates the data we will use for this example. Click "Save" when complete.

▼ Best Available Control Technology (BACT)
 Was a BACT Analysis completed for this unit?:

▼ Lowest Achievable Emission Rate (LAER)
 Was a LAER Analysis completed for this unit?:

▼ Federal and State Rule Applicability

New Source Performance Standards (NSPS):

New Source Performance Standards are listed under 40 CFR 60 - Standards of Performance for New Stationary Sources.

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 61):

National Emissions Standards for Hazardous Air Pollutants (NESHAP Part 61) are listed under 40 CFR 61. (These include asbestos, benzene, beryllium, mercury, and vinyl chloride).

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63):

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) standards are listed under 40 CFR 63.

Prevention of Significant Deterioration (PSD):

These rules are found under WAQSR Chapter 6, Section 4.

Non-Attainment New Source Review:

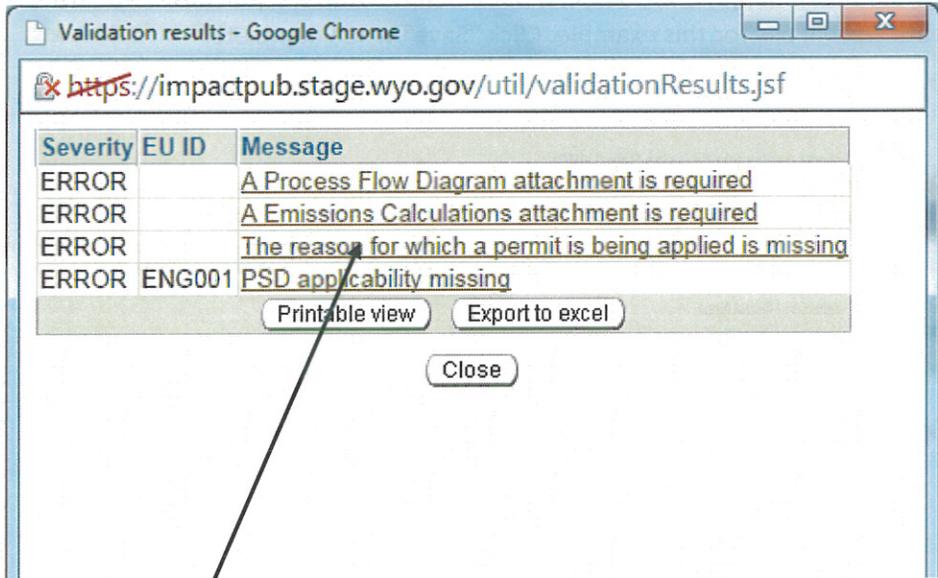
These rules are found under WAQSR Chapter 6, Section 13.

▼ Attachments

Status ID	Attachment Type	Description	Trade Secret Document	Trade secret Justification
<input type="button" value="Add"/>				

To Delete the attachment, or to Edit attachment description, click in the Attachment ID column.
[Attachment type explanation](#)

Step 11: Select NSR application at upper left hand side (in the Facility Tree) and then click “Validate” at the bottom of the page. A pop-up box will appear that explains any missing information or other errors.



Step 12: Click on the hyperlinks and IMPACT will take you directly to the page that needs additional information or tasks completed. Once complete, click “Save” and then “Validate” again.

Step 13: Click on “Submit” at the bottom of the page once validation is complete. You will be asked if you are authorized by law to sign the application.

I am authorized by law to electronically sign and attest to the accuracy of this submission.

Step 14: Another pop-up box appears requiring that you are certifying the application and acknowledging the fees for review. You have the option to view what you are submitting. IMPACT compiles all of the information input into the permit application into a document. Good idea to save a copy for your records. When you are ready to submit, click “Yes” to proceed.

Are you sure you want to Submit the changes?

I state that I have knowledge of the facts herein set forth and that the same are true and correct to the best of my knowledge and belief.

I further certify that the emission rates listed on this application reflect the anticipated emissions due to the operation of this facility.

The facility will operate in compliance with all Wyoming Air Quality Standards and Regulations.

I also acknowledge that per Chapter 6, Section 2(o), fees will be assessed on an hourly basis for the time incurred in processing the application and failure to pay fees could result in the State of Wyoming refusing to permit my project under air quality regulations.

I also acknowledge that fees will begin accruing immediately after submittal.

Step 15: You will be asked to input your digital signature to complete the submittal.

[home] [sign out]

Apply Digital Signature

Your signature will be applied to the following documents:

- 1578894596-AC000523.zip

Pin:

Security Question: What is the color of your house?