



Non-combustion RECLAIM Emissions

December 2021

Some facilities have non-combustion RECLAIM emissions sources. These devices should not be categorized as “external combustion equipment” or “internal combustion equipment” in the Categorize Emission Sources section of the Create/Edit Emission Source page, and instead categorized as “other process equipment.”

The following is an example of setting up a non-combustion NOx RECLAIM emission source in the AER web tool.

1. First, create or edit the emission source.
2. After selecting whether the device is permitted, adding the A/N and permit number if applicable, adding the ES Name, and adding the appropriate Operating ES status; click on the Categorize Emissions Source button (see figure below).

Edit Emission Source

Instruction: Add new emissions sources using information found on permits, manufacturers specifications, or identifying placards. Select the Operating ES Status that best reflect the device’s operation for this reporting period. All areas with a Red Asterisk (*) must be addressed. Note: Some devices have been pre-populated, verify that the information is correct

Permitted	<input checked="" type="checkbox"/>
Uploaded	<input type="checkbox"/>
A/N	111114 <input type="text" value="111114"/>
Permit No	<input type="text"/>
Permit Device ID	<input type="text"/>
Permit Equipment Description	<input type="text"/>
AER Device ID	ES4 <input type="button" value="Assign new ID"/>
ES Name	Non-Combustion NOx Sour
Operating ES Status	Normal Operation *
Comment	<input type="text"/>
Emission Source Category	Other Processes <input type="button" value="Categorize Emission Source"/>
Equipment	Other process equipment
Design Capacity	0.000000 <input type="text"/>

or or

or [Cancel](#)

Click here to [delete](#) this emission source and associated data.

Non-combustion NOx RECLAIM Emissions (continued)

- Click on the “click here” link under 7. Other Processes, then click the Other Process Equipment check box (see figure below), and click on the Save button.

AER Device ID: ES4 [Assign new ID](#)

ES Name: Non-Combustion NOx Sour

Operating ES Status: Normal Operation

Comment:

Emission Source Category: **Categorize Emission Source**

Permitted	A/N	Permit No	Permit Device ID	Permit Equipment Description	AER Device ID	ES Name
Yes	111114				ES4	Non-Combustion NOx Source

- External Combustion Equipment (e.g., boiler, dryer, oven, furnace, heater, afterburner, flare, kiln or incinerator) [click here](#) to select one of the following Equipment:
- Internal Combustion Equipment (e.g., internal combustion engine (excluding vehicles), turbine or micro turbine) [click here](#) to select one of the following Equipment:
- Spray Coating/Spray Booth (e.g., coatings, solvents, adhesives, etc.) [click here](#) to select one of the following Equipment:
- Other Use of Organics (e.g., coatings, solvents, inks, adhesives, etc.) except in Spray Coating/Spray Booth, [click here](#) to select one of the following Equipment:
- Liquid Storage Tank (e.g. Underground, Aboveground, Small Tanks, Dispensing Systems) [click here](#) to select one of the following Equipment:
- Fugitive Components (Emission Leaks from Process Components per Rule 462, 1173 and 1176), [click here](#) to select all applicable Equipment:
- Other Processes (does not fit in any of the groups mentioned above), click [click here](#) to mark "Other Process Equipment":
 - Other process equipment

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

- After you have saved the information entered on the Edit Emission Source page, go to the Process page for the emission source you have created.
- If specific activity code information is not available in the AER web tool for your emission source, use the following choices to create a generic activity code entry (see figure below).

Step 1: Process Optional: Mark as Completed

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Activity	SCC
Open ES4		111114	P1	407	Miscellaneous Operations and Services : Others - Not Classified : Operations & Maintenance : Annual Emissions	

[Click here to delete this process.](#)

Edit Emission Process - Other Processes

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Activity	SCC
ES4		111114	P1	407	Miscellaneous Operations and Services : Others - Not Classified : Operations & Maintenance : Annual Emissions	

AER Device ID: ES4 AER Device Name: Non-Combustion NOx Source

PERMITTED AN: 111114 Permit Device ID: **Non-combustion NOx Sour**

Process ID: P1 Process Name: Non-combustion NOx Sour

Process Comment:

SCC:

Activity Code * Sector: Miscellaneous Operations and Services

Industry: Others - Not Classified

Operation: Operations & Maintenance

Process: Annual Emissions

Rule #: 407 [* Add Rule](#)

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

Non-combustion NOx RECLAIM Emissions (concluded)

- In Step 3, select NOx as a pollutant. Add the emission factor, control efficiency, if relevant, and add the emission factor source. A comment detailing the emission factor source should be added.

The screenshot shows a web form titled "Open Criteria Emission Information - Other Processes". At the top, there is a table with columns: AER Device ID, Permit Device ID, A/N, Process ID, Rule #, Activity, and SCC. The table contains one row with values: ES21, (blank), 111117, P1, 2012, "Miscellaneous Operations and Services : Others - Not Classified : Operations & Maintenance : Annual Emissions", and (blank). Below the table, the "Annual Throughput" is listed as "1.00000000 dscf".

The form fields are as follows:

- Pollutant: **NOx** (dropdown menu)
- Emission Factor (EF): **1.00000000e-1** * lbs/dscf
- Controlled EF value (mark checkbox if EF listed represents EF determined after control)
- Overall Control Efficiency: (empty text box)
- Emission Factor Comment: **Tech sheet for ACME Device 100, Dated 01/15/2020**
- Emission Factor Data Source: **Manufacturer Specification** (dropdown menu)
- Emissions: 1.00000000e-1 lbs

At the bottom right, there are "Save" and "Cancel" buttons.

- After you enter and save the NOx emissions, re-open the NOx emissions box using the Open link next to the NOx emission entry in Step 3: Criteria Emissions. When you re-open the NOx emissions box, a RECLAIM check box will be below the Overall Control Efficiency text box (see screenshot below). Click the RECLAIM check box and click on the Save button.

This screenshot shows the same form as above, but with the "RECLAIM" checkbox selected. The "Pollutant" field now displays "NOx - Nitrogen Oxides".

The form fields are as follows:

- Pollutant: **NOx - Nitrogen Oxides**
- Emission Factor (EF): **1.00000000e-1** * lbs/dscf
- Controlled EF value (mark checkbox if EF listed represents EF determined after control)
- Overall Control Efficiency: (empty text box)
- RECLAIM**
- Emission Factor Comment: **Tech sheet for ACME Device 100, Dated 01/15/2020**
- Emission Factor Data Source: **Manufacturer Specification** (dropdown menu)
- Emissions: 1.00000000e-1 lbs

At the bottom right, there are "Save" and "Cancel" buttons. A link "Click here to [delete](#) this Emission." is also present.

Non-combustion NO_x RECLAIM Emissions (continued)

- A similar procedure should be used to create an entry for non-combustion SO_x emissions, except SO_x emissions should be chosen as the pollutant in Step 3 on the Process page.
- After all emissions have been entered. Click on the upload icon (the paper icon with an arrow pointing up in the dark blue menu).

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← Back to Emission Source Process Reference

Other Processes

This reporting screen is for reporting activity data for other processes used in your facility which were not covered in previous reporting screens. Please provide specific information for every associated emission source. **Please start with Step 1, edits to Step 1 may cause data in the following steps to reset.** Combustion emissions need to be reported separately under external or internal combustion process categories. Combined emissions can also be reported here; however, it must be substantiated to avoid double reporting. Detailed instructions are available by clicking on Help icon in the tool bar.

Optional: Mark as Completed

Step 1: Process

	AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Activity	SCC
Open	ES21		111117	P1	2012	Miscellaneous Operations and Services : Others - Not Classified : Operations & Maintenance : Annual Emissions	

Click here to [delete](#) this process.

- Click on the Choose File button, then chose the document that contains the source or guidance used to develop the emission factors.

Enter a date within the reporting year in the Valid From text box (e.g., 01/01/2021 for the 2021 AER). If you chose a date outside of the reporting year (e.g., 01/01/2022), then the file will appear in the AER for that reporting year (e.g., 2022 AER for 01/01/2022). If the year is after the current reporting year, the file will not appear until the next reporting year (e.g., if 01/01/2022 is entered in the 2021 AER, the document will not appear in the 2021 AER, but will appear in the 2022 AER).

The Valid To text box does not need to be filled. If the Valid To text box is filled with a date, then the document will not appear in AERs after that date. If the Valid To text box is left blank, the document will be loaded into future reporting year AERs.

Click on the Upload button to upload the document. The document will upload and be listed in the table with the green header below the Upload button.

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Supporting Documentation

List of document already uploaded is visible below.
Any type of file can be uploaded, but size of the file is limited to maximum 5 MB.

Upload new document

File: ACME Device 100.docx

Description:

Valid From (MM/DD/YYYY):

Valid To (MM/DD/YYYY):

File	Size	Description	Upload Date	Uploaded By	Valid From	Valid To	Modify dates
Add new document							