

WDEQ IMPACT Training

Instructions for creating a fugitive (blowdown) emission unit with a flare acting both as a control device and as its own emission unit:

Step 1: From the IMPACT Home Page select “Make a Facility Inventory Change”.

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

Facility Management	Permitting
<input type="button" value="Make a Facility Inventory Change"/> <input type="button" value="Make a change to the Facility Contact(s)"/>	<input type="button" value="Create an NSR Permit Application"/> <input type="button" value="Create a Title V Permit Application"/>
Emissions Reporting	Compliance Reporting
<input type="button" value="Create an Emissions Inventory"/>	<input type="button" value="Create a Stack Test Report"/> <input type="button" value="Create a Compliance Report"/>

Note: If you already have a facility change task open a new task cannot be opened. Instead you will need to click on the “In Progress Task” with Task Description of “Facility Inventory Change”.

Step 2: Select Create Emissions Unit

Facility Information

Facility ID: F025927
 Facility Name: AQD Test Facility
 Facility Description:
 Operating Status: Operating AFS: 5600900022
 Facility Class: Title V Facility Type: Compressor Station

Location

ID	Physical Address	City	County	Lat/Long	PLSS	Effective Date
33620	On Cow Creek Road 2 miles east of Dull Center Road	Converse County	Converse	43.29083/-105.09956	QSESE-S2-T38N-R69W	5/8/2012

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[NAICS reference information](#)

Step 3: Select “Blowdown/Venting/Well Completion” as Emission Unit Type from drop down menu.

Step 4: Populate as much information as possible but all fields with an asterisk (*) are required data fields. The screen shot below indicates the data we will use for this unit.

Step 5: Save and the AQD ID will auto-populate.

Emissions Unit Information

AQD ID: BVC001

* Emission Unit Type: [Help me select the Emission Unit Type](#)

AQD Description:

* Company Equipment ID:

* Company Equipment Description:

* Operating Status:

Initial Construction Commencement Date: 

Initial Operation Commencement Date: 

Most Recent Construction/Modification Commencement Date: 

Most Recent Operation Commencement Date: 

▼ Emission Unit Type Specific Information

* Type of Event:

▼ Permitted Emissions

This table is populated by AQD staff based on established/permitted emission limits. It is shown here for informational purposes only.

Pollutant	Potential Emissions Rate Units	Allowable Emissions Rate Units	Comments
<input type="button" value="Printable view"/> <input type="button" value="Export to excel"/>			

Step 6: Select Create Emissions Process and then Select SCC through cascading levels

Process Information

Process ID:

Process Name:

Company Process Description:

* Source Classification Code (SCC):

Enter as 1-22-333-44 or 12233344

Step 7: Select appropriate SCC fields as indicated in screen shot below and click Save.

Process Information

Process ID: PRC023

Process Name:

Company Process Description:

Source Classification Code (SCC): 31000299

- * SCC Level 1 Description: 3:Industrial Processes
- * SCC Level 2 Description: 10:Oil and Gas Production
- * SCC Level 3 Description: 002:Natural Gas Production
- * SCC Level 4 Description: 99:Other Not Classified

Note: Another similar SCC code that may fit a similar source type would be SCC 30600401 for Industrial Processes, Petroleum Industry, Blowdown Systems, Blowdown System with Vapor Recovery System and Flaring.

Step 8: Select Create and Associate Control Equipment.

Process Information

Process ID: PRC023

Process Name:

Company Process Description:

Source Classification Code (SCC): 31000299

- SCC Level 1 Description: 3:Industrial Processes
- SCC Level 2 Description: 10:Oil and Gas Production
- SCC Level 3 Description: 002:Natural Gas Production
- SCC Level 4 Description: 99:Other Not Classified

[SCC reference information](#)

Step 9: Select a Flare and the following details as indicated in screenshot below. Click Save.

Control Equipment Information

AQD ID: _____

* Control Equipment Type:

AQD Description:

* Company Control Equipment ID:

* Company Control Equipment Description:

* Operating Status:

Initial Installation Date: 

Manufacturer Name: Model Name and Number:

Control Equipment Type Specific Information

* Flare Type:

Elevated Flare Type:

* Ignition Device: Yes No

* Flame Presence Sensor: Yes No

Inlet Gas Temp (F):

Flame Presence Type:

Gas Flow Rate (acfm):

Outlet Gas Temp (F):

Pollutants Controlled

Explanation

*You must specify at least one pollutant in the Pollutants Controlled table

[Select All](#) | [Select None](#)

Select Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
<input type="checkbox"/> VOC - Volatile Organic Compounds	95	95	100	

Step 10: Select Create and Associate Release Point

Control Equipment Information

AQD ID: FLA008
 Control Equipment Type: Flare
 AQD Description:

Company Control Equipment ID: F1
 Company Control Equipment Description: Primary Flare

Operating Status: Not Operating
 Initial Installation Date:

Manufacturer Name: Model Name and Number:

Control Equipment Type Specific Information

Flare Type : Enclosed
 Elevated Flare Type : Air-Assisted
 Ignition Device : Yes
 Flame Presence Sensor : Yes
 Inlet Gas Temp (F) : 100
 Flame Presence Type : Thermocouple
 Gas Flow Rate (acfm) : 1500
 Outlet Gas Temp (F) : 1800

Pollutants Controlled

Explanation

*You must specify at least one pollutant in the Pollutants Controlled table

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
VOC - Volatile Organic Compounds	95	95	100	95

Step 11: Insert the flare stack parameters as indicated in the screen shot below. Click Save.

Note that 3101 feet is the lowest elevation in Wyoming and is the minimum elevation that can be entered into the elevation field.

Release Point Information

AQD ID:

* Release Point Type:

AQD Description:

* Company Release Point ID:

* Company Release Point Description:

* Operating status:

* Release Point Latitude: Facility Latitude: 43.29083

* Release Point Longitude: Facility Longitude: -105.09956

Release Point Type Specific Information

* Base Elevation (ft): Feet above sea level

* Stack Height (ft): * Stack Diameter (ft): Feet above base elevation

* Exit Gas Velocity (ft/s): * Exit Gas Temp (F):

* Exit Gas Flow Rate (acfm):

CEM Data

Select Description	Pollutant Monitored												
	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
<input type="button" value="Add CEM"/> <input type="button" value="Delete Selected CEMs"/> <input type="button" value="Printable view"/> <input type="button" value="Export to excel"/>													

Step 13: Add a flare emission unit and fill out the required information as indicated in the screen shot below. Click Save.

Emissions Unit Information

AQD ID: _____

* Emission Unit Type: [Help me select the Emission Unit Type](#)

AQD Description:

* Company Equipment ID:

* Company Equipment Description:

* Operating Status:

Initial Construction Commencement Date: 

Initial Operation Commencement Date: 

Most Recent Construction/Modification Commencement Date: 

Most Recent Operation Commencement Date: 

▼ Emission Unit Type Specific Information

* Maximum Design Capacity (MMscf/hr):

* Minimum Design Capacity (MMscf/hr):

Pilot Gas Volume (scf/min):

▼ Permitted Emissions

This table is populated by AQD staff based on established/permitted emission limits. It is shown here for informational purposes only.

Pollutant	Potential Emissions	Allowable Emissions	Comments
	Rate Units	Rate Units	

Step 14: Select Create Emissions Process on the Flare Unit and Select SCC through Cascading Levels. Enter in the appropriate SCC information as shown in screen shot below.

Process Information

Process ID: _____

Process Name:

Company Process Description:

Source Classification Code (SCC): 31000205

* SCC Level 1 Description:

* SCC Level 2 Description:

* SCC Level 3 Description:

* SCC Level 4 Description:

Step 15: Select Associate Existing Release Point to the Process. Select the AQD ID that matches the release point from the Flare Blowdown control device created in Step 11 (note that the ID number may be different in your scenario).

Caution: You are attempting to associate a release point directly to a process. If there is control equipment for the process, please associate the control equipment to the process and then associate the release point to the control equipment.

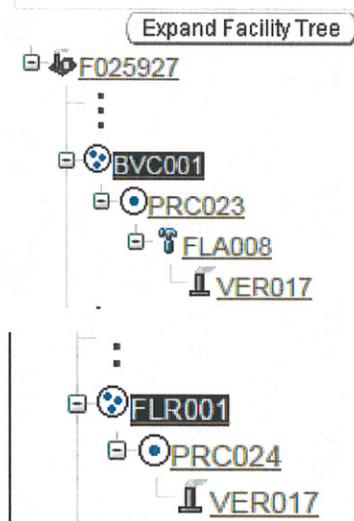
▼ Select Release Point to Associate

* AQD Release Point ID: VER017 ▼

Save Cancel

Summary and Submit:

Completing Steps 1-15 has created a fugitive blowdown emission unit that is controlled by a flare, which is also represented as its own emission unit to capture the pilot emissions. Since both exhaust through the same release point the Flare control device and Flare Emission Unit are linked to the same release point. Note that if the facility had an emergency or backup flare, a second flare emission unit would be added, but not linked to fugitive blowdown process in the facility tree.



This is still an In Progress task only visible to Facility (not the agency) until you submit the change. Once you have completed making all facility changes and are ready to submit go back to the IMPACT Home page and select the Facility Inventory Change.

Facility Information

Facility ID: F025927 Facility Name: AQD Test Facility District: District 2
 Facility Type: Compressor Station Company Name: WDEQ/WQD County: Converse
 Physical Address: On Cow Creek Road 2 miles east of Dull Center Road City: Converse County
 Lat/Long: 43.29083/-105.09956 PLSS: QSESE-S2-T38N-R69W

In Progress Tasks

Select Task Type	Task Description	Dependent on Task	Created Date	User Name
<input type="radio"/> Facility Contact Change	Facility Contact Change	N/A	9/11/2014	aqdstaff
<input type="radio"/> NSR Permit Application	NSR Application (A0000505)	Facility Inventory Change	8/29/2014	aqdstaff
<input type="radio"/> NSR Permit Application	NSR Application (A0000525)	Facility Inventory Change	9/10/2014	aqdstaff
<input type="radio"/> Facility Detail Change	Facility Inventory Change	Facility Contact Change	9/11/2014	aqdstaff

Delete selected task(s) Printable view Export to excel

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

Then select Validate.

Facility Information

Facility ID: F025927 Facility Name: AQD Test Facility
 Facility Description: AFS: 5600900022
 Operating Status: Operating Facility Type: Compressor Station
 Facility Class: Title V

Location

ID	Physical Address	City	County	Lat/Long	PLSS	Effective Date
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Printable view Export to excel

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Add NAICS Printable view Export to excel

NAICS reference information

Edit **Validate** Submit Download/Print Detail Print Facility Tree

Create Emissions Unit Create Control Equipment Create Release Point

Review list of error messages and fix or if no fatal error messages exist then you can select Submit.

Facility Information
Facility ID: F025927
Facility Name: AQD Test Facility
Facility Description:
Operating Status: Operating AFS: 5600900022
Facility Class: Title V Facility Type: Compressor Station

Location

ID	Physical Address	City	County	Lat/Long	PLSS	Effective Date
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[Printable view](#) [Export to excel](#)

NAICS

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[Add NAICS](#) [Printable view](#) [Export to excel](#)

[NAICS reference information](#)

[Edit](#) [Validate](#) [Submit](#) [Download/Print Detail](#) [Print Facility Tree](#)

[Create Emissions Unit](#) [Create Control Equipment](#) [Create Release Point](#)

A few of questions will pop up after clicking Submit:

1. Are you sure you want to Submit the change? Select Yes or View your submittal first.
2. Submission may take several minutes depending on the amount of data being processed. You may select the cancel button after selecting the Submit button to close the window prior to receiving a response from the server, but it will not cancel the Submission. Click the Submit Button and either wait for the verification to close the submission window or select the Cancel button next to close the submission window.