

Abatement Device Information
 TCEQ Emissions Inventory Year 11

SAMPLE FORM

Company Name: ¹ Johnson Gas Company	Site Name: ² Creek Compressor Station	TCEQ Air Account Number: ³ HG6789X	RN: ⁴ RN123456789
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ABATEMENT DEVICE INFORMATION

CIN: ⁵ FLARE1	Control Device Name: ⁶ S-Series Flare	CIN Effective Date: ⁷ 1/1/05
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Primary Abatement Device: ⁸ <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Abatement Code: ⁹ 511	Number of Units: ¹⁰ 1
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Annual Operation ¹¹ 8760 hours	Percent Time Offline ¹² 31 %	Inspection and Maintenance Schedule ¹³ (Select one) <input type="checkbox"/> Annually <input type="checkbox"/> Biannually <input type="checkbox"/> Continuously <input type="checkbox"/> Daily <input type="checkbox"/> Hourly <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Quarterly <input type="checkbox"/> Weekly <input type="checkbox"/> Other <input type="checkbox"/> None
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CONTROL EFFICIENCY¹⁴ (Please check all contaminants controlled by this abatement device and enter the control efficiency in the space provided)

<input checked="" type="checkbox"/> Volatile Organic Compounds: <u>98</u> %	<input type="checkbox"/> Nitrogen Oxides: ____ %	<input type="checkbox"/> Carbon Monoxide: ____ %	<input type="checkbox"/> Sulfur Dioxide: ____ %
<input type="checkbox"/> Inorganic Compounds: ____ %	<input type="checkbox"/> Particulate Matter (PM): ____ %	<input type="checkbox"/> PM ₁₀ : ____ %	<input checked="" type="checkbox"/> C ₁ B ₃ compounds: <u>99</u> %
<input checked="" type="checkbox"/> C ₄₊ Compounds: <u>98</u> %	<input checked="" type="checkbox"/> Hydrogen Sulfide (H ₂ S): <u>97</u> %	<input type="checkbox"/> Ammonia (NH ₃): ____ %	

PATH(S) ABATED BY THIS DEVICE¹⁵

FIN	EPN		FIN	EPN
TANK1	FLARE1			
TANK2	FLARE1			
TANK3	FLARE1			
AMINE	FLARE1			

INSTRUCTIONS: Abatement Device Information Form

Complete the **Abatement Device Information** form to add a control device to the emissions inventory. The form requests information necessary for quality assurance purposes.

1. **Company Name:** The official name of the company responsible for submitting the emissions inventory.
2. **Site Name:** The name of the regulated entity.
3. **TCEQ Air Account Number:** The account number as assigned by the TCEQ. If an account number has not been previously assigned, the EAS will assign an air account number based on the location of the regulated entity.
4. **Regulated Entity Reference Number (RN):** The number that Central Registry assigns to a location where a TCEQ-regulated activity occurs. If an RN has not already been assigned, complete a Core Data Form and submit it to Central Registry. Submit a copy of the form with the inventory.
5. **Control Identification Number (CIN):** A unique label that identifies the abatement device. The CIN is limited to 10 alphanumeric characters. *Example:* FLARE1
6. **Control Device Name:** Label the CIN with a plain text name. The control device name is limited to 40 alphanumeric characters. *Example:* S-SERIES FLARE
7. **CIN Effective Date:** Indicate the date that the abatement device became operational.
8. **Primary Abatement Device:** For paths with multiple abatement devices, designate whether the device is the primary abatement device. *Primary abatement device* is defined as the first control device (in sequence) for a specific source. Mark only *one* box.
9. **Abatement Code:** Choose the numeric code that identifies specific abatement devices. A list of abatement codes can be found in a zipped file under the “Electronic Emissions Inventory File Specifications Reference Tables (zip)” link, located at the EAS Web page, www.tceq.texas.gov/goto/ieas.
10. **Number of Units:** Specify the number of individual devices grouped together under this CIN. *Example:* If a series of five filters is represented by CIN: FILTER, enter “5.”
11. **Annual Operation:** The device’s total annual operating hours. Use a whole number from 0 to 8,760.
12. **Percent Time Offline (PTO):** Calculate the ratio of the device’s downtime to the annual operating time. Use a maximum of two decimal places.

$$PTO = \frac{\text{Hours Offline}}{\text{Annual Operating Hours}} \times 100$$

Example: FLARE1 operated on an emergency basis for a total of 1200 hours during the year. The flare was offline for 288 hours and malfunctioned for an additional 83 hours. The PTO for FLARE1 is:

$$PTO = \frac{288 + 83}{1200} \times 100 = 30.92$$

13. **Inspection and Maintenance Schedule:** Pick the device's inspection schedule. Mark only one box.
14. **Control Efficiency:** List the contaminants that are abated by the control device. Mark all that apply. Indicate the control efficiency claimed for each contaminant. Use a maximum of two decimal places.

Example: Per its permit, a flare reduces C1–C3 compounds by 99 percent, and all compounds containing four or more carbons by 98 percent. Its overall destruction efficiency for VOC compounds is 98 percent. It also converts 97 percent of hydrogen sulfide to sulfur dioxide. This example is illustrated on the sample form as CIN: FLARE1.

15. **Path(s) Abated by This Device:** Indicate each FIN/EPN path that is controlled by this device. At least one path should be shown.