

**Emission Point Information**TCEQ Emissions Inventory Year 11**SAMPLE FORM****Stack**

<b>Company Name:</b> <sup>1</sup> Johnson Gas Company	<b>Site Name:</b> <sup>2</sup> Creek Compressor Station	<b>TCEQ Air Account Number:</b> <sup>3</sup> HG6789X	<b>RN:</b> <sup>4</sup> RN123456789
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**EMISSION POINT IDENTIFICATION**

<b>EPN:</b> <sup>5</sup> TANK2	<b>Point Name:</b> <sup>6</sup> Oil Tank Number 2
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**GEOGRAPHICAL COORDINATES** *Fill in one section below.*

Latitude and Longitude <sup>7</sup> in NAD of 1983		OR	UTM Coordinate <sup>8</sup> in NAD of 1983		
Latitude	Longitude		Zone	North Meters	East Meters
____ deg ____ min ____ sec	____ deg ____ min ____ sec		<input type="checkbox"/> 13 <input type="checkbox"/> 14 <input checked="" type="checkbox"/> 15	<u>1756493</u>	<u>347693</u>

**STACK INFORMATION**

Diameter: <sup>9</sup> <u>3</u> feet	Height: <sup>10</sup> <u>15</u> feet	Horizontal Discharge? <sup>11</sup> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Moisture: <sup>12</sup> <u>0</u> %	Temperature: <sup>13</sup> <u>67.9</u> degrees Fahrenheit	Velocity: <sup>14</sup> <u>0.01</u> feet/second

**NOTES**

<b>Cooling Tower (Natural Draft or Mechanical Draft)<sup>15</sup></b>	<b>Tank with No Abatement Device<sup>16</sup></b>
<b>Diameter</b> = diameter of tower top (natural draft); of fan (mechanical draft); or of one fan (multicell tower)	<b>Diameter</b> = 3 feet
<b>Height</b> = tower height	<b>Height</b> = tank height
<b>Velocity</b> = air exit velocity at tower top (natural draft), or velocity of the fan-propelled air under normal operating conditions (mechanical draft), or velocity of one fan (multicell tower)	<b>Temperature</b> = average ambient temperature at the site's location, °F; (do not enter average ambient temperature if tank is heated or receives hot product).
<b>Temperature</b> = air temperature at tower top (if unknown, assume 10–15° warmer than ambient temperature)	<b>Velocity</b> = 0.01 feet/second
<b>Moisture</b> = NOT zero; generally 5–10%; you may wish to use a psychometric chart	
<b>Horizontal Discharge?</b> = "no," except possibly for crossflow towers	

# ***INSTRUCTIONS: Stack Emission Point Information Form***

Complete the **Stack Emission Point Information** form for each new stack-type EPN.

1. **Company Name:** The official name of the owner or operator 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. **Emission Point Number (EPN):** A unique label that identifies the emission point. The EPN is limited to 10 alphanumeric characters. The emissions inventory EPN *must* match the site's permit. *Example:* TANK2
6. **Point Name:** Label the EPN with a plain text name. The point name is limited to 40 alphanumeric characters. *Example:* OIL TANK NUMBER 2
7. The EPN's **Latitude and Longitude**, in degrees, minutes, and seconds. Use the North American Datum of 1983 (NAD83) coordinates, in whole numbers.
8. **UTM Coordinates:** The EPN's Universal Transverse Mercator (UTM) coordinates. Use the NAD83 coordinates, in whole numbers. Either lat/long or UTM coordinates may be entered (only one set of coordinates is required).
  - Zone:** Select whether the stack emission point is located in UTM zone 13, 14 or 15. Mark only *one* box.
  - North Meters:** Enter the seven-digit north UTM coordinate.
  - East Meters:** Enter the six-digit east UTM coordinate.
9. **Diameter:** The stack's diameter, in feet.
10. **Height:** Specify the stack's height, in feet.
11. **Horizontal Discharge?:** Describe the stack's discharge direction. Choose "No" if the stack has an unobstructed vertical discharge; otherwise, choose "Yes." Mark only one box.
12. **Moisture:** The moisture content of the exit-gas stream, as a percentage.
13. **Temperature:** The exhaust exit temperature, in degrees Fahrenheit.
14. **Velocity:** The exhaust exit velocity, in feet per second.

**15. Notes for a Cooling Tower—**

**Diameter:** For a natural draft tower, the diameter at the top of the tower. For a mechanical draft tower, the diameter of the fan. For a multi-celled mechanical draft tower, the average diameter of the fans, in feet.

**Height:** The height from ground level to the top of the tower, in feet.

**Velocity:** For a natural draft tower, the velocity of the air exiting the top of the tower. For a mechanical draft tower, the velocity of the fan-propelled air under normal operating conditions. For a multi-celled mechanical draft tower, the average velocity from the fans, in feet per second.

**Temperature:** The temperature of the air exiting the top of the tower, in degrees Fahrenheit. The temperature may be assumed to be 10 to 15 degrees higher than the ambient air temperature.

**Moisture:** The moisture contained in the air exiting the cooling tower, as a percentage. The moisture is generally between 5 and 10 percent. Note that a psychometric chart may be used to determine the amount of water in saturated air at a given temperature.

**Horizontal Discharge:** Cooling towers should not have horizontal discharge. One possible exception would be a crossflow tower.

**16. Notes for a Tank not linked to an abatement device—**

**Diameter:** Use the default value of 3 feet.

**Height:** The height of the tank, in feet.

**Temperature:** The site location's average annual ambient temperature, in degrees Fahrenheit. **Do not enter the word "ambient."**

**Velocity:** Use the default value of 0.01 feet per second.

**Emission Point Information**TCEQ Emissions Inventory Year 11**SAMPLE FORM****Flare**

<b>Company Name:</b> <sup>1</sup> Johnson Gas Company	<b>Site Name:</b> <sup>2</sup> Creek Compressor Station	<b>TCEQ Air Account Number:</b> <sup>3</sup> HG66789X	<b>RN:</b> <sup>4</sup> RN123456789
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EMISSION POINT IDENTIFICATION					
<b>EPN:</b> <sup>5</sup> FLARE1		<b>Point Name:</b> <sup>6</sup> S-Series Flare			
GEOGRAPHICAL COORDINATES <i>Fill in <u>one</u> section below.</i>					
<b>Latitude and Longitude</b> <sup>7</sup> <i>in NAD of 1983</i>			<b>OR</b>	<b>UTM Coordinates</b> <sup>8</sup> <i>in NAD of 1983</i>	
Latitude ____ deg ____ min ____ sec	Longitude ____ deg ____ min ____ sec	Zone <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input checked="" type="checkbox"/> 15		North Meters <u>1756493</u>	East Meters <u>347693</u>
FLARE INFORMATION					
Number of Pilots: <sup>9</sup> <u>1</u>			Average Flow Rate: <sup>10</sup> <u>0.4</u> Mscf / minute		
<b>Composition Determination:</b> <sup>11</sup> <input type="checkbox"/> Continuous Measurement <input type="checkbox"/> Engineering Estimate <input type="checkbox"/> One-time performance test <input checked="" type="checkbox"/> Periodic Testing					
<b>Flow Determination:</b> <sup>12</sup> <input checked="" type="checkbox"/> Continuous Measurement (by a flow meter at the flare header) <input type="checkbox"/> Engineering Estimate <input type="checkbox"/> One-time performance test					
Height: <sup>13</sup> <u>80</u> feet			Inside Tip Diameter: <sup>14</sup> <u>0.67</u> feet		
Low Heating Value: <sup>15</sup> <u>900</u> Btu/scf		Molecular Weight: <sup>16</sup> <u>22</u> lb/lb-mole		Temperature: <sup>17</sup> <u>1400</u> °F	

## ***INSTRUCTIONS: Flare Emission Point Information Form***

Complete the **Flare Emission Point Information** form for each new flare-type FPN.

1. **Company Name:** The official name of the owner or operator 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. **Emission Point Number (EPN):** A unique label that identifies the emission point. The EPN is limited to 10 alphanumeric characters. The emissions inventory EPN *must* match the site's permit. *Example:* FLARE1
6. **Point Name:** Label the EPN with a plain text name. The point name is limited to 40 alphanumeric characters. *Example:* S-SERIES FLARE
7. The EPN's **Latitude and Longitude**, in degrees, minutes, and seconds. Use the North American Datum of 1983 (NAD83) coordinates, in whole numbers.
8. **UTM Coordinates:** The EPN's Universal Transverse Mercator (UTM) coordinates. Use the NAD83 coordinates, in whole numbers. Either lat/long or UTM coordinates may be entered (only one set of coordinates is required).
  - Zone:** Select whether the flare is located in UTM zone 13, 14, or 15. Mark only *one* box.
  - North Meters:** Enter the seven-digit north UTM coordinate.
  - East Meters:** Enter the six-digit east UTM coordinate.
9. **Number of Pilots:** The number of pilots that service the flare.
10. **Average Flow Rate:** The average volumetric flow rate of flared gas, in thousand standard cubic feet per minute, while routine process flow is sent to the flare. Do not include upset or emergency flow to the flare.
11. **Composition Determination:** Choose how the composition of the flared gas stream is determined. Mark only *one* box.
12. **Flow Determination:** Indicate how the volume of product sent to the flare is determined. Mark only *one* box.
13. **Height:** The flare's elevation above ground level, in feet.

14. **Inside Tip Diameter:** The inside diameter of the flare tip, in feet.
15. **Low Heating Value:** The lower heating value of the flared gas, in British thermal units per standard cubic foot.
16. **Molecular Weight:** Indicate the average molecular weight of flared gas, in pounds per pound-mole.
17. **Temperature:** The temperature of the flame tip, in degrees Fahrenheit.

**Emission Point Information**TCEQ Emissions Inventory Year 11**SAMPLE FORM****Fugitive**

<b>Company Name:<sup>1</sup></b> Johnson Gas Company	<b>Site Name:<sup>2</sup></b> Creek Compressor Station	<b>TCEQ Air Account Number:<sup>3</sup></b> HG6789X	<b>RN:<sup>4</sup></b> RN123456789
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**EMISSION POINT IDENTIFICATION****EPN:<sup>5</sup>** FUG1**Point Name:<sup>6</sup>** Fugitive Area Number 1**GEOGRAPHICAL COORDINATES** *Fill in one section below.*

Latitude and Longitude <sup>7</sup> in NAD of 1983		OR	UTM Coordinates <sup>8</sup> in NAD of 1983		
Latitude	Longitude		Zone	North Meters	East Meters
____ deg ____ min ____ sec	____ deg ____ min ____ sec		<input type="checkbox"/> 13 <input type="checkbox"/> 14 <input checked="" type="checkbox"/> 15	<u>1756493</u>	<u>347693</u>

**FUGITIVE INFORMATION**

Orientation: <sup>9</sup> <u>60</u> degrees ( <input checked="" type="checkbox"/> East or <input type="checkbox"/> West) of North	Height: <sup>10</sup> <u>10</u> feet	Length: <sup>11</sup> <u>100</u> feet	Width: <sup>12</sup> <u>100</u> feet
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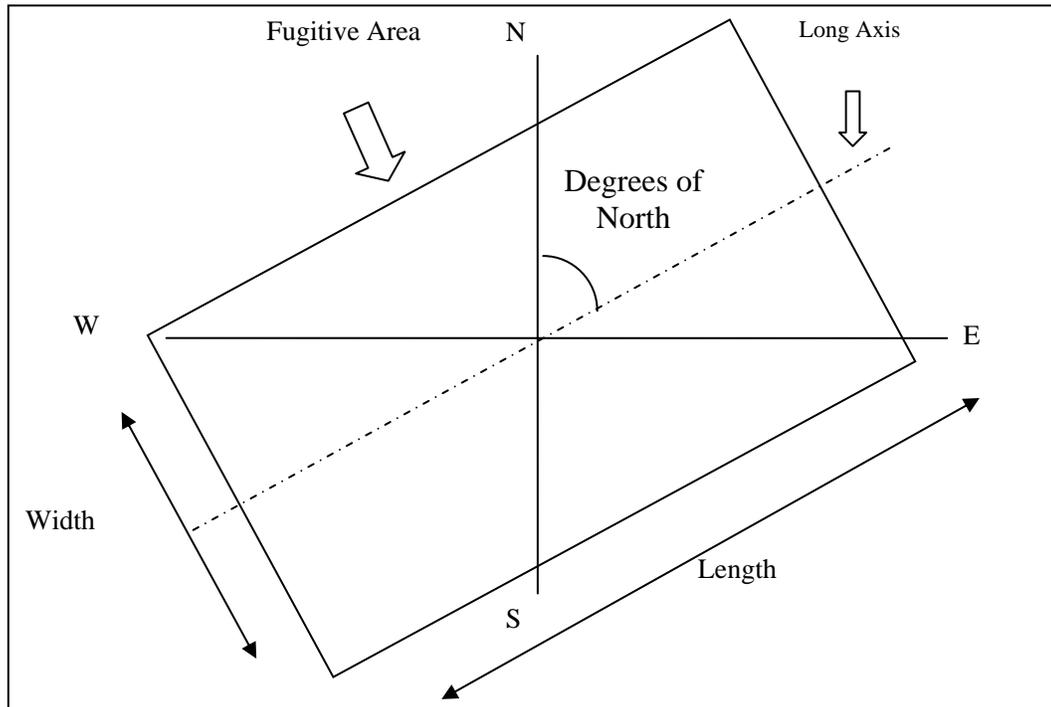
**NOTES****Orientation** = the orientation of the fugitive area's long axis, measured from due north.**Height** = the fugitive area's height, in feet.**Length** = the fugitive area's length, in feet.**Width** = the fugitive area's width, in feet.

- For a trench or impoundment, enter "3" for the height.
- For marine vessels, this is probably the height of the vessel's hatch(es), vent, or of the transfer mechanism connection above water. Because the vessel will rise and fall as a result of loading or unloading, use an average height.

## ***INSTRUCTIONS: Fugitive Emission Point Information Form***

Complete a **Fugitive Emission Point Information** form for each new fugitive-type EPN.

1. **Company Name:** The official name of the owner or operator 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. **Emission Point Number (EPN):** A unique label that identifies the emission point. The EPN is limited to 10 alphanumeric characters. The emissions inventory EPN *must* match the site's permit. *Example:* FUG1
6. **Point Name:** Label the EPN with a plain text name. The point name is limited to 40 alphanumeric characters. *Example:* FUGITIVE AREA NUMBER 1
7. The EPN's **Latitude and Longitude**, in degrees, minutes, and seconds. Use the North American Datum of 1983 (NAD83) coordinates, in whole numbers.
8. **UTM Coordinates:** The EPN's Universal Transverse Mercator (UTM) coordinates. Use the NAD83 coordinates, in whole numbers. Either lat/long or UTM coordinates may be entered (only one set of coordinates is required).
  - Zone:** Select whether the fugitive emission point is located in UTM zone 13, 14, or 15. Mark only *one* box.
  - North Meters:** Enter the seven-digit north UTM coordinate.
  - East Meters:** Enter the six-digit east UTM coordinate.
9. **Orientation:** Specify the fugitive area's long axis direction, measured in degrees of rotation from true north. The orientation may be measured in degrees East of North or degrees West of North. In Figure 1 the orientation could be described as 60 degrees East of North or 120 degrees West of North.
10. **Height:** The average height where the fugitive emissions are released to the atmosphere, in feet. If the fugitive area is at or below ground level, as in the case of a trench or impoundment, enter "3."
11. **Length:** The fugitive area's length, in feet.
12. **Width:** The fugitive area's width, in feet.



**Figure 1. Orientation of Fugitive Area**

