**Path Emissions**
TCEQ Emissions Inventory Year: 2011

**Company Name:** Johnson Gas Company  
**Site Name:** Creek Compressor Station  
**TCEQ Air Account Number:** HF6789X  
**RN:** RN123456789

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**CREATE A PATH**

- **FIN:** ENGINE1  
- **EPN:** STACK1A  
- **CIN(s):**

**Path Comment(s):** Rich-burn 500 hp compressor

**Total Annual Aggregate Heat Input** (Combustion Units Only): 420,000 MMBtu  
**Path Effective Date:** 1/1/2006

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**LIST NO₂ EMISSIONS FACTOR AND SOURCE FOR THIS PATH (if applicable)**

<table>
<thead>
<tr>
<th>NO₂ Emissions Factor</th>
<th>Emissions Factor Units</th>
<th>Factor Reference/Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.336</td>
<td>lb/MMBtu</td>
<td>Vendor’s Data</td>
</tr>
</tbody>
</table>

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**REPORT EMISSIONS FROM THIS PATH**

<table>
<thead>
<tr>
<th>Contaminant Code</th>
<th>Contaminant Name</th>
<th>Annual Emissions (tons/year)</th>
<th>Ozone Season Emissions (pounds/day)</th>
<th>Determination Methodology</th>
<th>SMSS (tons/year)</th>
<th>Emissions Events (EE) (tons/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10000</td>
<td>PM—unspeciated</td>
<td>0.3021</td>
<td>1.6416</td>
<td>A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>20000</td>
<td>PM₁₀—unspeciated</td>
<td>0.3021</td>
<td>1.6416</td>
<td>A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>39999</td>
<td>PM₂.₅ total</td>
<td>0.3021</td>
<td>1.6416</td>
<td>A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>50001</td>
<td>VOC—unspeciated</td>
<td>6.3590</td>
<td>34.5546</td>
<td>A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>51620</td>
<td>Acetaldehyde</td>
<td>0.2866</td>
<td>1.5574</td>
<td>A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>51680</td>
<td>Formaldehyde</td>
<td>1.8102</td>
<td>9.8366</td>
<td>A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>70400</td>
<td>Nitrogen Oxides</td>
<td>12.9884</td>
<td>70.5890</td>
<td>V</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>70510</td>
<td>Sulfur Dioxide</td>
<td>0.0502</td>
<td>0.2728</td>
<td>A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>90300</td>
<td>Carbon Monoxide</td>
<td>16.0089</td>
<td>87.0051</td>
<td>V</td>
<td>0.01</td>
<td>0.04</td>
</tr>
</tbody>
</table>

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**TCEQ-20039 (11-10-11)**
INSTRUCTIONS: Path Emissions Form

Complete the **Path Emissions** form to add a new path and report the path’s emissions. Recall that a path consists of at least a FIN and an EPN; if emissions are abated, then the path also includes a CIN.

1. **Already exists in the STARS database:** If the FIN, EPN or CIN of this path is already in the STARS database, please indicate by checking the appropriate box for all that apply.

2. **Company Name:** The official name of the owner or operator responsible for submitting the emissions inventory.

3. **Site Name:** The name of the regulated entity.

4. **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.

5. **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.

6. **FIN:** Indicate the path’s facility.

7. **EPN:** Specify the path’s emission point.

8. **CIN(s):** Identify the path’s abatement device(s), if applicable. List the primary abatement device first, if the path includes more than one abatement device.

9. **Path Comments:** Supply any clarifying information related to the path.

10. **Total Annual Aggregate Heat Input:** For combustion units only, the total heat value of all fuels that the unit combusted by the unit during the year, in million British thermal units.

11. **Path Effective Date:** Indicate the date when the facility began emitting through this emission point.

12. **NOₓ Emissions Factor:** If this path emitted NOₓ emissions, write the numerical value of the NOₓ emissions factor in the blank provided.

13. **Emissions Factor Units:** The units associated with the NOₓ emissions factor, preferably in lb/MMBtu or similar process-rate based units.

14. **Factor Reference/Source:** Cite the reference or source where the NOₓ emissions factor originated. Reference or source examples include: stack-test data, CEMS data, manufacturer’s data, and AP-42.

For each contaminant associated with the path, use one line to enter the following information:
15. **Contaminant Code:** The five-digit code associated with the air contaminant. A list of contaminant codes is available in Appendix I.

16. **Contaminant Name:** The air contaminant being reported.

17. **Annual Emissions:** Total contaminant emission rate for the year, measured in tons per year. Use a maximum of four decimal places, and do not use scientific notation.

18. **Ozone Season Emissions:** Average actual contaminant emission rate during the ozone season, in pounds per day. Recall that the ozone season is defined as the 153 days from May 1 through September 30. This information is mandatory for all regulated entities in El Paso County and for all those that are located east of the 100º Central Meridian. Ozone season rates are not calculated by the EAS database, and must be supplied by the owner or operator.

19. **Determination Methodology:** The method used to determine the reported emissions. The available choices are: A (AP-42 and other EPA- or TCEQ-approved factors), B (material balance), D (continuous emissions monitoring systems, CEMS), E (estimation), F (predictive emissions monitoring systems, PEMS), H (highly reactive volatile organic compound [HRVOC] monitoring systems), M (measured data), O (other), Q (portable analyzer test data), S (scientific calculation), and V (vendor-supplied factors).

20. **Scheduled Maintenance, Startup, and Shutdown Activities (SMSS):** Total contaminant emission rate from scheduled maintenance, startup, and shutdown activities, in tons per year.

21. **Emissions Events (EE):** Total contaminant emission rate from emissions events, in tons per year.