### Form 1.5

**Iowa Operating Permit Application - Part 1**

**Company/Facility Name:** SPARS SAMPLE FACILITY - TITLE V  
**EIQ No:** 92-0001

**Summary of Criteria Pollutant Potential Emissions (Tons/Year):**

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Potential Emissions (Tons/Year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHG-CO2E (GREENHOUSE GASES (CO2 BASIS))</td>
<td>3,690.00</td>
</tr>
<tr>
<td>GHG-MASS (GREENHOUSE GASES (MASS BASIS))</td>
<td>9,850.00</td>
</tr>
<tr>
<td>NOX (NITROGEN OXIDES)</td>
<td>0.00</td>
</tr>
<tr>
<td>PM-10</td>
<td>0.00</td>
</tr>
<tr>
<td>PM-2.5</td>
<td>0.00</td>
</tr>
</tbody>
</table>

**Conditions Subject to Obtaining an Operating Permit:**

- Source is subject to the provisions of Title IV of the Act (generally electricity producers - see 567 IAC 22.120-147).
- Source is major source (567 IAC 22.100).
- Potential to emit 100 tons per year or more of any air pollutant (Form 1.5, Item 3).
- Potential to emit, in the aggregate, 10 tons per year or more of any hazardous air pollutant or 25 tons per year or more of any combination of hazardous air pollutants (Form 1.4, Items 6-8).
- For nonattainment areas as specified in 567 IAC 22.100.

### Form 2.0

**Emission Point Information**

- **Emission Point ID:** EP-S01.1  
- **Emission Point Type:** VERTICAL STACK/VENT

- **Stack Shape:** 
  - Circular
  - Rectangular
  - Other

- **Dia. or Length:** 34 inches
- **Width:**
- **Height:**

- **Stack Height Above Ground (FT):** 45.00

- **Stack Location UTM Coordinates:**
  - Zone 14
  - Zone 15

- **Reserved**

- **Does the Emission Point have a rain cap (or anything else) which obstructs the flow of gases leaving the Emission Point?**
  - Yes
  - No

- **Note:** Red boxes mean that the stack height and UTM data may not be correct for the new form. Please select zone and update them.
SPARS Web Form Updates

Form INV-1

**21 - 23) PRINCIPAL ACTIVITY - PROCESSES AND PRODUCTS**

<table>
<thead>
<tr>
<th>Type</th>
<th>SIC Code</th>
<th>NAICS Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMARY</td>
<td>3448</td>
<td>332311</td>
</tr>
</tbody>
</table>

**Activity Description**: Prefabricated metal buildings

**Standard Industrial Classification (SIC)**: 3448

**Activity Description**: Prefabricated metal buildings

**Plant Location**

- Latitude: 41.31
- Longitude: -94.46

**North American Industrial Classification System (NAICS)**: 332311

**Activity Description**: Prefabricated Metal Building and Component Manufacturing
Form INV-2

EMISSION POINT INFORMATION

(7) Emission Point Type
- Stack/Vent
  - VERTICAL STACK/VENT

(8) Stack Shape and Dimensions: (interior dimensions at exit point)

Company/Facility Name: SPARS SAMPLE FACILITY - MINOR SOURCE
Emission Point Number: EP-M01
Emission Point Description: SPRAY PAINT BOOTH STACK

Is this stack/vent used as an Emergency Bypass Stack? [ ] No [ ] Yes
If YES, for which stack(s)? List Emission Point Nos.: 

EMISSION UNIT (PROCESS) IDENTIFICATION AND DESCRIPTION

(5) Emission Unit Number: EU-M01
(6) SCC Number: 4202501
(7) Description of Process: SPRAY PAINTING
(8) Date of Construction: 18-Mar-1999
(9) Date of Installation: 1-Apr-1999
(10) Date of Modification: 

Raw Material - DR Fuels used:
- PAINT

List worst case for EACH pollutant:

Federal Enforcementable Limit:
- VOC: 5.0 LB / GAL, 950 GAL / 12 MO

Permit or Rule Establishing Limit:
- 98-A-190

Maximum Hourly Design Rate:
- 0.25 GALLONS

Show Confidential Fields
Form INV-3

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Emission Factor</th>
<th>Source of Emission Factor</th>
<th>Ash or Sulfur %</th>
<th>Potential Hourly Uncontrolled Emissions (lb/hr)</th>
<th>Combined Control Efficiency</th>
<th>Potential Hourly Controlled Emissions (lb/hr)</th>
<th>Control Equipment Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM-10</td>
<td></td>
<td></td>
<td>4.00E-03</td>
<td>2.30E-02</td>
<td></td>
<td>2.30E-02</td>
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<tr>
<td>SULFUR DIOXIDE</td>
<td></td>
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<tr>
<td>NITROGEN OXIDES</td>
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<tr>
<td>VOLATILE ORGANIC COMPOUNDS</td>
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<tr>
<td>CARBON MONOXIDE</td>
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<td>LEAD</td>
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<tr>
<td>AMMONIA</td>
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</tr>
</tbody>
</table>

**Potential Emissions**

- PM-10: 4.00E-03 POUNDS PER GALLON
- Sulfur: 2.30E-02
- Nitrogen: 2.30E-02
- Volatile: 0.10
- Carbon: 1.15E-04
- Lead: 1.15E-04
- Ammonia: 0.00
- Formaldehyde: 2.00E-05 POUNDS PER GALLON

**Test Server**

- Potential Hourly Controlled Emissions (lb/hr): 2.30E-02
- Potential Annual Emissions (tons/yr): 2.30E-02