

SPARS Web Form Updates

Form 1.5

IDNR Site Management Security Window Help

SPARS_WEB Preview Title V Operating Application

IOWA OPERATING PERMIT APPLICATION - PART 1 Application contents as of: Dec-2-2013

FORM 1.5 POTENTIAL EMISSIONS - SIGNIFICANT ACTIVITIES

(1) Company/Facility Name: SPARS SAMPLE FACILITY - TITLE V (2) EIQ No: 92-0001 Page 1 of 1

(3) SUMMARY OF CRITERIA POLLUTANT POTENTIAL EMISSIONS (Tons/Year)

Pollutant:		(4) Potential Emissions (Tons/Year):
GHG-CO2E	GREENHOUSE GASES (CO2E BASIS)	3,690.00
GHG-MASS	GREENHOUSE GASES (MASS BASIS)	9,850.00
NOX	NITROGEN OXIDES	0.00
PM-10	PM-10	0.00
PM-2.5	PM-2.5	0.00

(5) 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. Call the U.S. Environmental Protection Agency Acid Rain Hotline at (202) 233-9620).

Source is major source (567 IAC 22.100). (mark all that apply):

- 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.

Show Confidential Fields Choose Form: FORM 1.5 Print Print Complete Operating Application

Form 2.0

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SPARS_WEB SPARS Web - Operating Application - Form: 2.0 Emission Point Information

IDNR Site: SPARS SAMPLE FACILITY - TITLE V EIQ NO: 92-0001 Confidential Application:

1.0 1.2 1.3 1.4 1.5 **2.0** 3.0 4.0 5.0 CA-01 CE-01 ME-01 Part 3

EMISSION POINT INFORMATION

Emission Point ID: EP-S01.1 (7) Emission Point Type: VERTICAL STACK/VENT

(8) Stack Shape: Circular Dia. or Length: 34 Units: INCHES
 Rectangular Width: Units:
 Other Height: Units:

(9) Stack Height Above Ground (Ft): 45.00 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.

(10) Reserved

(11) Stack Location UTM Coordinates: Zone 14 NAD 27 Easting (meter): Northing (meter):
 Zone 15 NAD 83

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

Emission Pts. Emerg. Bypass **EP Desc.** Exhaust Bypass Emission Units Control Equip. Monitor Equip. Calc Attach.

SPARS Web Form Updates

Form 2.0

IDNR Site Management Security Window Help

SPARS_WEB Preview Title V Operating Application

IOWA OPERATING PERMIT APPLICATION - PART 1 Application contents as of: Dec-2-2013

FORM 2.0 EMISSION POINT INFORMATION

(1) Company/Facility Name: SPARS SAMPLE FACILITY - TITLE V (2) EIQ No: 92-0001 (3) Page 1 of 11

(4) Emission Point No: EP-S01.1 (5) Emission Point Description: SPRAY PAINT BOOTH #1 STACK

(6) Emergency Bypass Stack? If YES, for which stack(s)? List Emission Point Nos.:

EMISSION POINT INFORMATION

(7) Emission Point Type: VERTICAL STACK/VENT If Fugitive Or Other Specify: _____

(8) Stack Shape: Circular Dia. or Length: 34.00 Units: INCHES
 Rectangular Width: _____ Units: _____
 Other Height: _____ Units: _____

(9) Stack Height Above Ground (Ft): 45.00 Or Stack Height Above Building: _____

(10) Bldg Dimensions (Ft): Height: _____ Length: _____ Width: _____

(11) Stack Location UTM Coordinates: Zone 14 NAD 27 Easting (meter): _____ Northing (meter): _____
 Zone 15 NAD 83

Or Distance and Direction from UTM Locator: North East N-S Distance (Ft): _____ E-W Distance (Ft): _____
 South West

(12) Rain Cap: If YES, specify: _____

(13) COMPOSITION OF EXHAUST STREAM

Exhaust Stream Characteristic	Composition of Exhaust Stream	Units of Measure
b) Flow Rate	14,500.00	ACFM

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Form 3.0

SPARS_WEB Preview Title V Operating Application

FORM 3.0 EMISSION UNIT DESCRIPTION FOR POTENTIAL EMISSIONS

(1) Company/Facility Name: SPARS SAMPLE FACILITY - TITLE V Proposed Limit

(2) EIQ No: 92-0001 (3) Page 1 of 10

(4) Emission Point ID: EP-S01.1 (5) Emission Point Description: SPRAY PAINT BOOTH #1 STACK

EMISSION UNITS (PROCESS) IDENTIFICATION & DESCRIPTION

(6) Emission Unit No.: EU-S01.1 (7) SCC No.: 40202501

(8) Description of Process: COATING OPERATION - SPRAY PAINT BOOTH #1

(9) Manufacturer Name: GEORGE KOCH SONS

(10) Model Name: _____

Model No: CUSTOM BUILT Serial No: _____

(11) Construction Date: 18-Mar-1999 (12) Installation Date: _____ (13) Modification Date: _____

(14) Raw Material -OR- Fuel Used - List Worst-Case for EACH Pollutant:
Paint

(15) Federally Enforceable Operating Limit: 2.54 lb/gal VOC

(16) Permit or Rule Establishing Operating Limit: 98-A-180

(17) Maximum Hourly DESIGN Rate: .01 Units: TONS **Per Hour**

(18) AIR POLLUTION CONTROL EQUIPMENT (CE)

Show Confidential Fields Choose Form: FORM 3.0 Print Print Complete Operating Application

SPARS Web Form Updates

Form INV-1

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SPARS_WEB SPARS Web - Minor Source Emission Inventory Questionnaire - Form: INV-1 Facility Identification

Site: SPARS SAMPLE FACILITY - MINOR SOURCE Facility No: 01-01-998 EI Year: 2012 Confidential Application:

INV-1 INV-2 INV-3 INV-4

21 - 23) PRINCIPAL ACTIVITY - PROCESSES AND PRODUCTS

Type	*SIC Code	*NAICS Code	SIC - NAICS Website
PRIMARY	3448	332311	

Add SIC Code

Facility Address Facility Contact Mailing Address Parent Address Parent Contact Activity Attachments

(20) Parent Company Contact Phone No. 731-555-0802

(21) Standard Industrial Classification (SIC) 3448

(22) Activity Description Prefabricated metal buildings

(23) Secondary Activities

SIC	
Activity Description	
SIC	
Activity Description	

(24) Plant Location

Latitude	41.31
Longitude	-94.46

AIR QUALITY BUREAU
7900 Hickman Rd., Suite 1
Urbandale, IA 50322

IOWA DNR Emission Inventory Questionnaire
Form INV-1 Facility Identification

(21a) North American Industrial Classification System (NAICS) 332311

(22a) Activity Description Prefabricated Metal Building and Component Manufacturing

(23a) Secondary Activities

NAICS	
Activity Description	

SPARS Web Form Updates

Form INV-2

SPARS_WEB Preview Minor Source Emission Inventory Questionnaire

AIR QUALITY BUREAU
7900 Hickman Rd., Suite 1
Urbandale, IA 50322

IOWA DNR Emission Inventory Questionnaire

Form INV - 2 Emission Point Description

Page 1 of 3
Application contents as of: Dec-2-2013

(1) Company / Facility Name	SPARS SAMPLE FACILITY - MINOR SOURCE		
(4) Emission Point Number	EP-M01		
(5) Emission Point Description	SPRAY PAINT BOOTH STACK		
(6) Is this stack/vent used as an Emergency Bypass Stack?	<input checked="" type="radio"/> No <input type="radio"/> Yes		
If YES, for which stack(s)? List Emission Point Nos.:			
EMISSION POINT INFORMATION			
(7) Emission Point Type			
Stack/Vent	VERTICAL STACK/VENT		
Fugitive (specify)			
Other (specify)			
(8) Stack Shape and Dimensions: (interior dimensions at exit point)			
Circular Diameter:			

Show Confidential Fields Choose Form: INV-2 Print Print Complete Minor Source Questionnaire

SPARS_WEB Preview Minor Source Emission Inventory Questionnaire

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7900 Hickman Rd., Suite 1
Urbandale, IA 50322

IOWA DNR Emission Inventory Questionnaire

Form INV - 3 Emission Unit Description - Potential Emissions

Page 1 of 4
Application contents as of: Dec-2-2013

(1) Company / Facility Name	SPARS SAMPLE FACILITY - MINOR SOURCE		
(4) Emission Point Number	EP-M01		
EMISSION UNIT (PROCESS) IDENTIFICATION AND DESCRIPTION			
(5) Emission Unit Number	EU-M01		
(6) SCC Number	40202501		
(7) Description of Process	SPRAY PAINTING		
(8) Date of Construction	18-Mar-1999	(9) Date of Installation	1-Apr-1999
(10) Date of Modification			
(11) Raw Material - OR Fuels used List worst case for EACH pollutant	PAINT		
(12) Federally Enforceable Limit	5.0 LBS VOC/GAL, 950 GAL/12 MO		
(13) Permit or Rule Establishing Limit	98-A-190		
(14) Maximum Hourly Design Rate	0.25	GALLONS	
(16)	(17)	(18)	(19)
(20)	(21)	(22)	(23)
(24)	(25)		

Show Confidential Fields Choose Form: INV-3 Print Print Complete Minor Source Questionnaire

SPARS Web Form Updates

Form INV-3

State Permitting and Air Reporting System

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SPARS - Minor Source Emission Inventory Questionnaire - Form: INV-3 Emission Unit Description - Potential Emissions

Site: SPARS SAMPLE FACILITY - MINOR SOURCE Facility No: 01-01-998 EI Year: 2008 Confidential Application:

INV-1 INV-2 **INV-3** INV-4

POTENTIAL EMISSIONS

Emission Unit ID: EU-M01 SCC AMS Code: 40202501 Columns in cyan can be auto calculated

*16) Pollutant	*17) Emission Factor	*18) Emission Factor Unit	20) Ash or Sulfur	*21) Uncontrolled Emissions (lb/hr)	*22) Control Effic. %	24) Hourly C.E. (lb/hr)	*25) Annual Emissions (tons/yr)
PM-2.5							
PM-10	4.00E-03	POUNDS PER GALLON		2.30E-02		2.30E-02	0.10
SULFUR DIOXIDE							
NITROGEN OXIDES							
VOLATILE ORGANIC COI							
CARBON MONOXIDE							
LEAD							
AMMONIA							

*19) Source of Emission Factor: Other, specify: 23) Spray Booth Trans Effic %:

Emission Unit Emission Unit/Process Description Control Equipment **Potential Emissions** Calculations Attachments

Preview Minor Source Emission Inventory Questionnaire

Control Equipment Number

Control Equipment Description **Test Server**

POTENTIAL EMISSIONS

(16) Air Pollutant	(17) Emission Factor	(18) Emission Factor Units	(19) Source of E.F.	(20) Ash or Sulfur %	(21) Potential Hourly Uncontrolled Emissions (lbs/hr)	(22) Combined Control Efficiency	(23) Transfer Efficiency	(24) Potential Hourly Controlled Emissions (lbs/hr)	(25) Potential Annual Emissions (tons/yr)
PM-2.5									
PM-10	4.00E-03	POUNDS PER GALLON	AP42		2.30E-02			2.30E-02	0.10
SULFUR DIOXIDE									
NITROGEN OXIDES									
VOLATILE ORGANIC COMPOUNDS									
CARBON MONOXIDE									
LEAD									
AMMONIA									
FORMALDEHYDE	2.00E-05	POUNDS PER GALLON	AP42		1.15E-04			1.15E-04	0.00

Show Confidential Fields Choose Form: INV-3 Print Print Complete Minor Source Questionnaire