

February 27, 2014
Minor Source Emissions Inventory
SPARS Training: Creating & Submitting
an Emissions Inventory

Webinar #2

Emissions Inventory
&
SPARS Helpdesk

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SPARS Training – SPARS Website



- **SPARS website:**
<http://www.iowadnr.gov/InsideDNR/RegulatoryAir/SPARS.aspx>
- **SPARS overview**
- **Access SPARS (web link to the SPARS database)**
- **Reports**
- **Help and information**

SPARS Training Accessing SPARS Web

- **Requesting SPARS access**
 - Facility administrator
 - Responsible official
 - Secure e-mail setup for new users
- **SPARS forms may be found at**
<http://www.iowadnr.gov/InsideDNR/RegulatoryAir/SPARS/HelpInfo.aspx>

SPARS Training - Purpose

- **The purpose of this training is to show you how you can use SPARS to create, complete, review, sign, and submit an electronic copy of your facility's Title V emissions inventory.**

SPARS Training – What are we going to cover?

- **The inventory submittal process**
- **The application query tool**
- **The most common database error**
- **Preparing to complete your inventory**
- **Creating, completing, reviewing, signing, and submitting your inventory using SPARS web**

The Inventory Submittal Process

- **Creating the inventory (Chapter 8)**
- **Completing the inventory (Chapter 9)**
- **Reviewing the inventory (Chapter 10)**
- **Signing and submitting the inventory (Chapter 11)**

The Application Query Tool

- **A SPARS database window, which allows the user to access, view, create, edit, delete, and submit applications and inventories**

The Application Query Tool

- **To access the application query tool, do the following:**
 - **Access SPARS web as indicated in Section 3.0**
 - **Click the quick navigation tool button (the hand)—see figure 7.1 below**



- **The application query tool opens:**

SPARS Web : Application Query Tool

Site ID: Site Name:

EIQ No: City:

Permit No: County:

Facility ID: Project No: And Or

Hint: Use a "%" with the information to find items which are similar to what you typed (ie. Facility%)

All Applications/Questionnaires

Operating Applications	Part 2 Applications	Title V Questionnaires	Minor Source Questionnaires	Construction Applications
Create Operating App	Create Part 2 App	Create Title V EIQ	Create Minor Source EIQ	Create Construction App

Select either the "Site Name" or "Site ID" when querying in the Application Query Tool. It is recommended to always use the "Site ID" for querying purposes. Using the "Site ID" is ok, because the only Site IDs that will show up are those that the user is allowed access to.

Application Query Tool

SPARS : Application Query Tool

Site ID: [] Site Name: SPARS SAMPLE FACILITY - MINOR SOURCE
EIQ No: [] City: []
Permit No: [] County: []
Facility ID: [] Project No: [] And Or

Hint: Use a "%" with the information to find items which are similar to what you typed (ie. Facility%)

All Applications/Questionnaires

Operating Applications	Part 2 Applications	Title V Questionnaires	Minor Source Questionnaires	Construction Applications
Create Operating App	Create Part 2 App	Create Title V EIQ	Create Minor Source EIQ	Create Construction App

Site ID	Site Name	Year	Sub Date	Type
100000041171	SPARS SAMPLE FACILITY - MINOR SOURCE	2005	15-Feb-2005	INITIAL
100000041171	SPARS SAMPLE FACILITY - MINOR SOURCE	2008	15-Feb-2008	INITIAL
100000041171	SPARS SAMPLE FACILITY - MINOR SOURCE	2010	27-Feb-2011	INITIAL
100000041171	SPARS SAMPLE FACILITY - MINOR SOURCE	2012	14-May-2013	INITIAL

Refresh List Clear Query Edit Application Delete Application Cancel

The "Minor Source Questionnaires" button is grayed out, because this information is being displayed on this window

Since this inventory is in the INITIAL Phase, SPARS will not allow you to edit or delete it. If you open this inventory and attempt to see the information that it contains without using print-preview (see Chapter 10), a database error will occur and you will be disconnected from the database.

Click this button to create a Minor Source Emissions Inventory.

The Most Common Database Error

State Permitting and Air Reporting System



A database error has occurred.

Database error code: -1

Database error message:

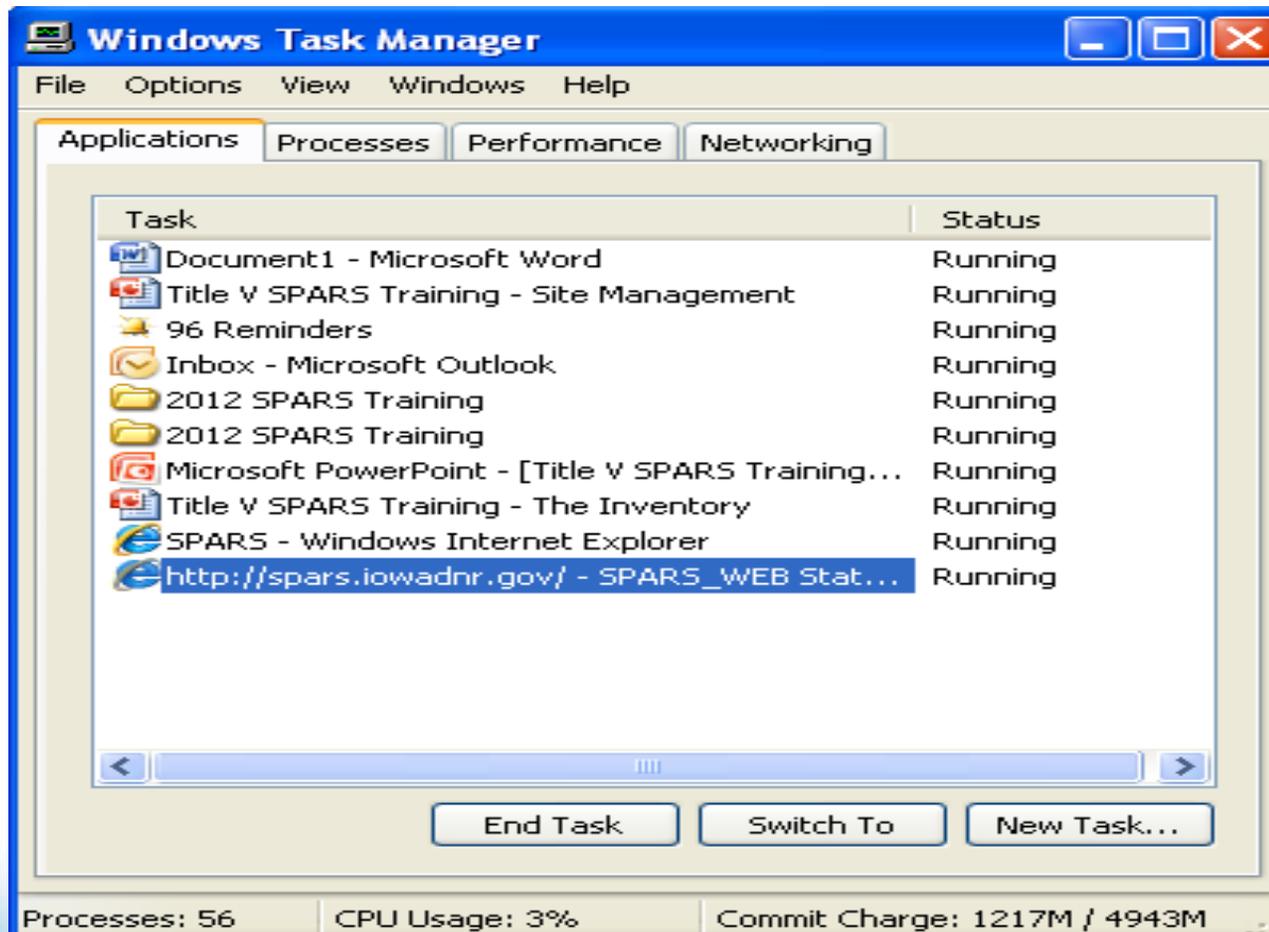
Row changed between retrieve and update.

No changes made to database.

```
update "E_EMISSION_UNIT_PROCESSES" set "E_EMISSION_UNIT_PROCESSES"."EU_RID" = ? where "E_EMISSION_UNIT_PROCESSES"."SITE_ID" = ?  
and "E_EMISSION_UNIT_PROCESSES"."RID" = ?
```

OK

End Task



You Are Not Authorized....



Preparing To Complete Your Inventory

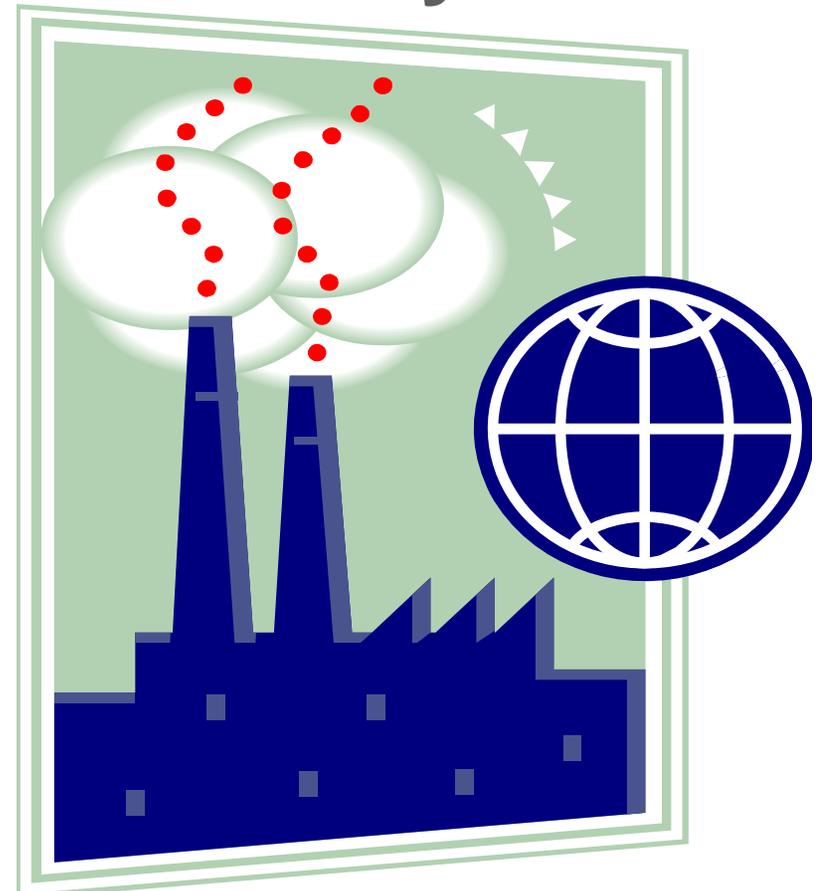
- **Get a copy of the last inventory that your facility submitted**
- **Total raw material amounts**
- **Actual operating rates and schedule for each unit**
- **SCCs, emission factors, emission factor source, ash or sulfur %, and control efficiency not included in your previous inventory**

Preparing To Complete Your Inventory (continued)

- **Corrections to previously submitted SCCs, emission factors, etc.**
- **Calculations to be entered into form INV-5 (calculations tab on the INV-3 and INV-4 forms in SPARS)**
- **Electronic documents to be attached to your new inventory (attached on form INV-1)**

2013 Minor Source Emissions Inventory SPARS Training: Creating & Submitting an Emissions Inventory

➤ **Questions?**



SPARS Interactive Training: Logging Into SPARS

- Login (<http://spars.iowadnr.gov/spars.htm>)
- Username
- Password

SPARS Interactive Training: Creating & Submitting an Emissions Inventory

The screenshot displays the SPARS State Permitting and Air Reporting System interface. Two dialog boxes are open over the main application window.

Dialog Box 1: Please Enter Inventory/Application Date & Year

Site Name: SPARS SAMPLE FACILITY - MINOR SOURCE

Emission Inventory/Application Year (yyyy): 2011

Application Date (mm/dd/yyyy): 03/01/2012

Populate New Application/Questionnaire:

- Copy Data From Site Management
- Copy Data From Previous Document

Emission Year	Application Type	Application Date
2004	INITIAL	2/15/2005
2007	INITIAL	2/15/2008
2010	INITIAL	3/10/2011
2010	SUPP	9/30/2011

Buttons: OK, Cancel

Dialog Box 2: SPARS : Application Query Tool

Site ID: [Dropdown] Site Name: SPARS SAMPLE FACILITY - MINOR SOURCE

EIQ No: [Dropdown] City: [Dropdown]

Permit No: [Dropdown] County: [Dropdown]

Facility ID: [Dropdown] Project No: [Dropdown] And Or

Hint: Use a "*" with the information to find items which are similar to what you typed (ie. Facility*)

All Applications/Questionnaires

Operating Applications	Part 2 Applications	Title V Questionnaires	Minor Source Questionnaires	Construction Applications
Create Operating App	Create Part 2 App	Create Title V EIQ	Create Minor Source EIQ	Create Construction App

Site ID	Site Name	EIQ No /Project	Year	Sub Date	Type	App Type
100000041171	SPARS SAMPLE FACILITY - MINOR SOURCE		2004	15-Feb-2005	MINOR	INITIAL
100000041171	SPARS SAMPLE FACILITY - MINOR SOURCE		2007	15-Feb-2008	MINOR	INITIAL
100000041171	SPARS SAMPLE FACILITY - MINOR SOURCE		2010	10-Mar-2011	MINOR	INITIAL
100000041171	SPARS SAMPLE FACILITY - MINOR SOURCE		2010	30-Sep-2011	MINOR	SUPP

Buttons: Refresh List, Clear Query, Edit Application, Delete Application, Cancel



Purpose of the Minor Source Emissions Inventory (MSEI)

- **The data IDNR receives through the MSEI helps:**
 - **Assist in tracking Iowa's progress towards meeting national air quality standards**
 - **Perform regional and local air pollution dispersion modeling**
 - **Develop control and maintenance strategies required by the Clean Air Act**
 - **Identify emission levels and trends throughout the state**
 - **Verify emissions data contained in nationally-published reports (USA Today School Air Toxics, NATA, etc.)**
 - **A complete air pollutant inventory is required by Iowa Administrative Code (567) sub rule IAC 21.1(3)**

Options for submitting the 2013 MSEI

- **Electronically via the SPARS website**
 - <http://spars.iowadnr.gov/spars.htm>
- **Paper via the MSEI forms**
 - <http://www.iowadnr.gov/InsideDNR/RegulatoryAir/EmissionsInventory/MinorSourceForms.aspx>
- **Specialized forms for portable and stationary concrete, asphalt, and limestone crushing plants and Group 2 Grain Elevators**
 - <http://www.iowadnr.gov/InsideDNR/RegulatoryAir/EmissionsInventory/EmissionsEstimateTools.aspx>

How to gain access to the SPARS website

- **Facility Administrator form**

- <http://www.iowadnr.gov/portals/idnr/uploads/forms/5422005.pdf?amp;tabid=1476>

- **Responsible Official form**

- <http://www.iowadnr.gov/portals/idnr/uploads/forms/5422004.pdf?amp;tabid=1476>

- **SPARS help and information**

- <http://www.iowadnr.gov/InsideDNR/RegulatoryAir/SPARS/HelpInfo.aspx>

MSEI Resources

- **Worksheets, example calculations, SCC numbers, and links to websites for emission factors and SIC & NAICS codes**
 - <http://www.iowadnr.gov/InsideDNR/RegulatoryAir/EmissionsInventory/EmissionsEstimateTools.aspx>
- **MSEI instruction booklet**
 - http://www.iowadnr.gov/portals/idnr/uploads/air/insidednr/emissinv/msei_instructions.pdf

MSEI Resources

- **Tips on completing the inventory**

- http://www.iowadnr.gov/portals/idnr/uploads/air/insidednr/emissinv/msei_tips.pdf?amp;tabid=1570

- **Frequently asked questions**

- http://www.iowadnr.gov/portals/idnr/uploads/air/insidednr/emissinv/msei_faqs.pdf?amp;tabid=1570

- **Exemptions**

- http://www.iowadnr.gov/portals/idnr/uploads/air/insidednr/emissinv/msei_exemptions.pdf?amp;tabid=1570

- **Iowa Air Emissions Assistance Program inventory tools**

- <http://mse.iwrc.org/>

Questions?

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