

March 2, 2011

Minor Source Emissions Inventory SPARS Training

Webinar #1

Emissions Inventory
&
SPARS Helpdesk

Iowa DNR – Air Quality Bureau
7900 Hickman Rd Suite 1
Windsor Heights, IA 50324



IowaDNR

The Iowa Department of Natural Resources



Leading Iowans
in caring for
our natural resources

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SPARS Training



➤ Getting to know SPARS Web

SPARS Training Objective

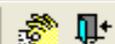
- **The main objective of this training is to ensure that users acquire the necessary knowledge to create and submit Minor Source Emissions Inventories using SPARS Web.**

SPARS Web – What is it?

- **SPARS was created as an Oracle database to gather environmental data received through construction permit applications, Title V permit applications, and emissions inventories.**
- **SPARS was made available on the World Wide Web**

SPARS Web – What is it?

- **Site Management**
 - **Section of the database where the following facility information may be found: location, mailing address, name and addresses for its contacts, classification, plant number, equipment identification, equipment description, latitude, longitude, UTM coordinates, etc.**



For Development Use Only - SPARS Web : Site Management

Select Site ID: [dropdown] Select Site Name: RACHEL'S ADVENTURELAND [dropdown]

Query Site Information Site ID: 100000026768 Name: RACHEL'S ADVENTURELAND

Responsible Official Mailing Address Parent Address

Site and Location Other Information Business Description Comments

* Company/Site Name: RACHEL'S ADVENTURELAND

* County: POLK [dropdown]

Address 1: 1500 FULLER RD

Address 2: [empty]

City: WEST DES MOINES [dropdown]

State: IA [dropdown] Zip Code: 50265 EIQ No: 92-9999

UTM Zone No.: 15 [dropdown] UTM Easting Amt Meters: 462,361 UTM Northing Amt Meters: 4,610,751

Latitude: 41.6 Longitude: -93.75

Facility Type: MINOR EI Facility ID: 77-02-999

Points	Units
Control	Monitor

SPARS Web – What is it?

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



Site ID:	<input type="text"/>	Site Name:	<input type="text"/>
EIQ No:	<input type="text"/>	City:	<input type="text"/>
Permit No:	<input type="text"/>	County:	<input type="text"/>
Facility ID:	<input type="text"/>	Project No:	<input type="text"/>

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

Refresh List

Clear Query

Edit Application

Delete Application

Submit To AQB

Cancel

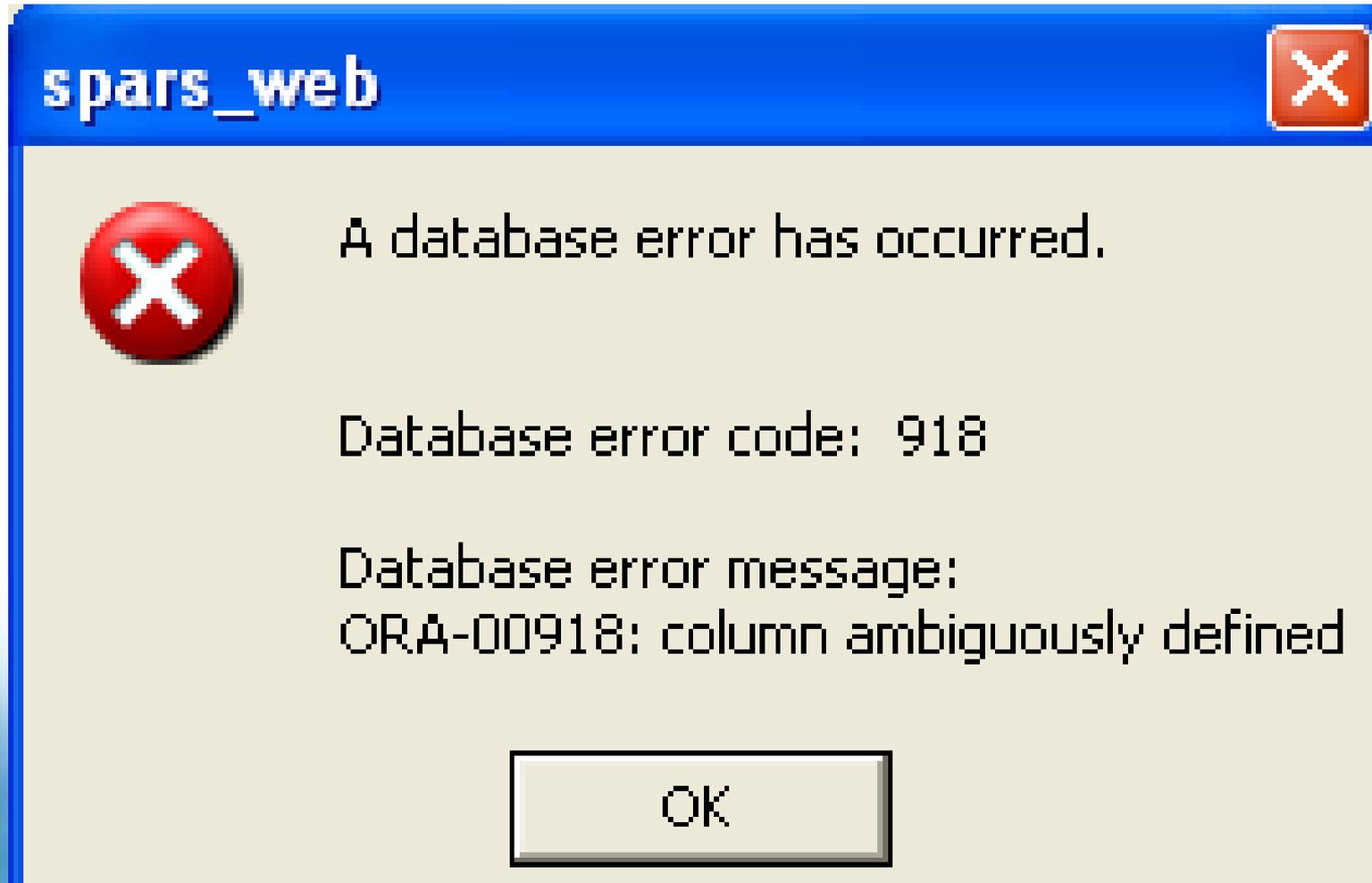
SPARS Web – What does it do?

- **It allows the creation of applications and inventories**
- **It allows the electronic submittal of these applications and inventories**
- **It allows re-using existing information to create new applications and inventories**

SPARS Web – How does it communicate with you?

- Through database errors and warning messages
- Database errors – There are several reasons why they occur and several ways in which they are displayed. The common thread is that all are “terminal.” The connection to SPARS Web is terminated.

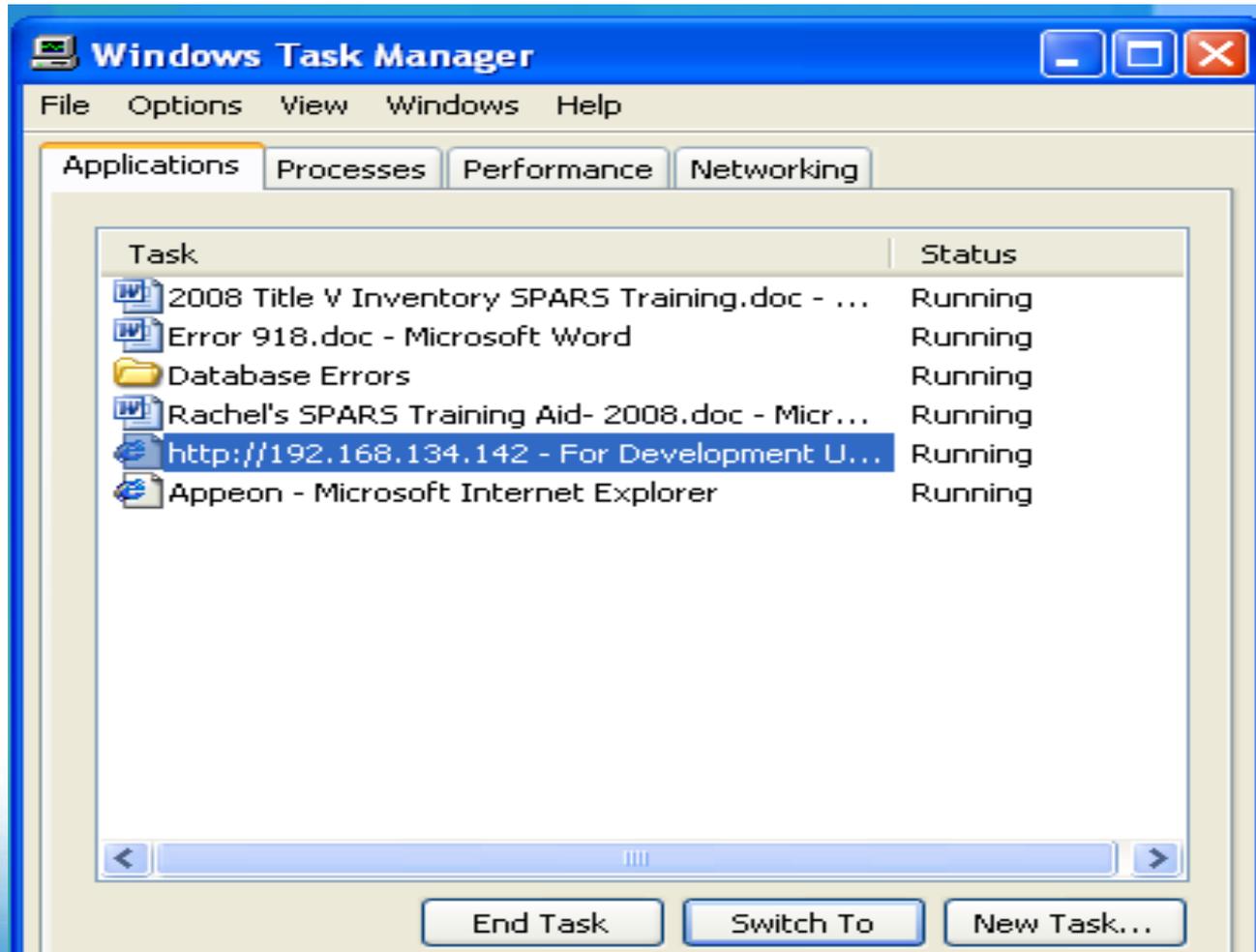
Example of a Database Error



SPARS Web – How does it communicate with you?

- **One of the most common database errors is received when users try to access SPARS documents that have already been submitted to the DNR.**
- **For security reasons and to avoid accidental changes to the submitted data, SPARS disconnects these users.**

End Task



SPARS Web – How does it communicate with you?

- **Warning Messages** – There are several reasons why they occur and there are several ways that they are displayed. Unlike database errors, warning messages are not “terminal.” Users are not disconnected from SPARS Web when they occur.

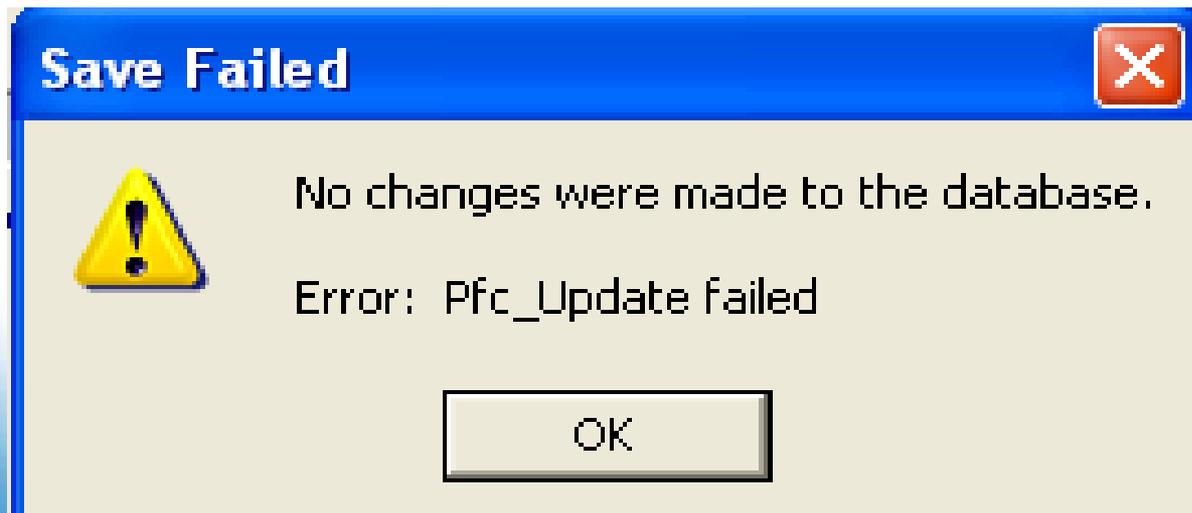
SPARS Web – How does it communicate with you?

- **Two of the most common warning messages are:**
 - **When the data needs to be refreshed.**
 - AND**
 - **When the database finds a duplicate record.**

Examples of a Warning Message



Examples of a Warning Message



Accessing SPARS Web

- **SPARS Administrator at AQB creates 2 accounts for a facility:**
 - **Facility Administrator**
 - **Responsible Official**
- **The facility's SPARS users download the Appeon plug-in to access SPARS Web.**

Accessing SPARS Web

- **The facility's SPARS users enter their User Name and Password to log in to SPARS Web.**



Please Login

Iowa Department of Natural Resources

SPARS

State Permitting and Air Reporting System

User ID:

Password:

Login

Exit



State Permitting and Air Reporting System



SPARS Web

State Permitting and Air Reporting System



Welcome to SPARS Web

This system was developed by the Iowa Department of Natural Resources (IDNR) to assist the regulated community in preparing and submitting Air Construction and Operating permit applications.

The system contains an Online Help that will guide you through the use of this system. Simply select 'Help Topics' from the Help menu at any time to access information on system functions navigation or general document organization. The Online Help is context sensitive. You can press the F1 Key to access detailed instructions for each of the electronic forms.

Getting started You will need to have a Site Identification Number unique for your facility before you can start enter. If you do not have a Site Identification Number, you need to contact the IDNR to obtain this 12-digit number.

To contact the IDNR for your 12-digit number:

Call: (515) 242-5100

Fax: (515) 242-5094

E-Mail: SPARS@mail.dnraq.state.ia.us

Write to: Attn SPARS

Iowa DNR-Air Quality Bureau

7900 Hickman Road, Suite 1

Urbandale, IA 50322

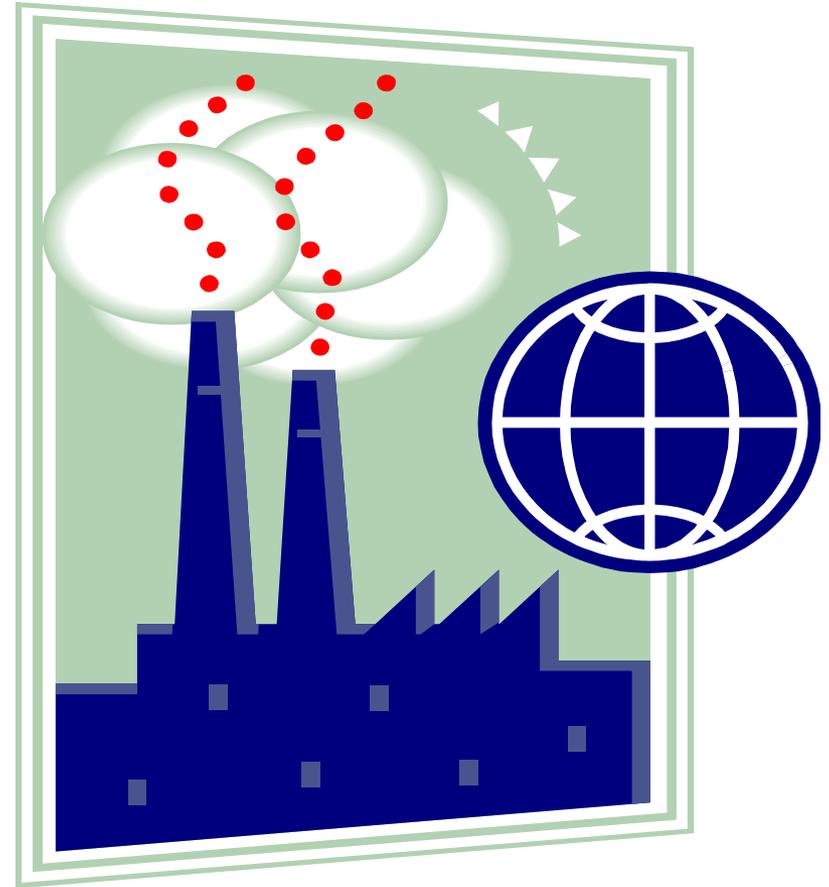
Or Visit our Web Site at <http://www.dnraq.state.ia.us>

Please include your Facility Name, County Name, Mailing Address, and Phone Number. If you already have an EIQ Number or Facility ID Number, include that information as well.

Show welcome at startup

2010 Minor Source Emissions Inventory SPARS Training

➤ **Questions?**



Purpose of the Minor Source Emissions Inventory (MSEI)

- **The data IDNR receives through the MSEI helps:**
 - **Assist in tracking Iowa's progress towards National Ambient Air Quality Standards**
 - **Perform regional modeling**
 - **Develop control and maintenance strategies**
 - **Identify sources and general emission levels**
 - **Verify emissions data contained in nationally-published reports (USA Today School Air Toxics, NATA, etc.)**
 - **A complete air pollutant inventory is required by sub rule 567 IAC 21.1(3)**

Options for submitting the 2010 MSEI

- **Electronically via the SPARS website**
 - <http://spars.iowadnr.gov/spars.htm>

- **Paper via the MSEI forms**
 - <http://www.iowadnr.gov/air/prof/emiss/eform.html>

- **Specialized forms for portable and stationary concrete, asphalt, and limestone crushing plants**
 - <http://www.iowadnr.gov/air/prof/emiss/msemisstools.html>

How to gain access to the SPARS website

- **Facility Administrator form**
 - http://www.iowadnr.gov/air/prof/SPARS/files/access_request_facility_administrator.pdf
- **Responsible Official form**
 - http://www.iowadnr.gov/air/prof/SPARS/files/access_request_responsible_official.pdf
- **SPARS help and information**
 - <http://www.iowadnr.gov/air/prof/SPARS/info.html>

MSEI Resources

- **Worksheets, example calculations, SCC numbers, and links to websites for emission factors and SIC & NAICS codes**
 - <http://www.iowadnr.gov/air/prof/emiss/emiss.html>
- **MSEI instruction booklet, tips, frequently asked questions, and exemptions**
 - <http://www.iowadnr.gov/air/prof/emiss/msemiss.html>
- **Iowa Air Emissions Assistance Program inventory tools**
 - <http://mse.iwrc.org/>

SPARS Site Management Training

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

MSEI SPARS Training Webinar Break

- **Take a 10 minute break**

- **When we come back we'll start with the MSEI training**
 - **Creating the 2010 emissions inventory using a previously submitted emissions inventory**
 - **Creating the 2010 emissions inventory using the data in site management**

Emissions Inventory Webpages

- <http://www.iowadnr.gov/air/prof/emiss/emiss.html>
 - Frequently used emissions inventory resources
 - Example calculations, links to emission factors, SIC, NAICS, SCC numbers
- <http://www.iowadnr.gov/air/prof/emiss/msemiss.html>
 - Forms, instructions, FAQ, where to get assistance, tips, exemptions, minor source emissions inventory submission schedule, link to the Iowa Air Emissions Assistance Program website

Questions?

- **Next SPARS Minor Source Emissions Inventory Training Webinar:**
 - **March 10, 2011**
 - **1:00 p.m. to 4:30 p.m. CST**