



# IOWA DEPARTMENT OF NATURAL RESOURCES

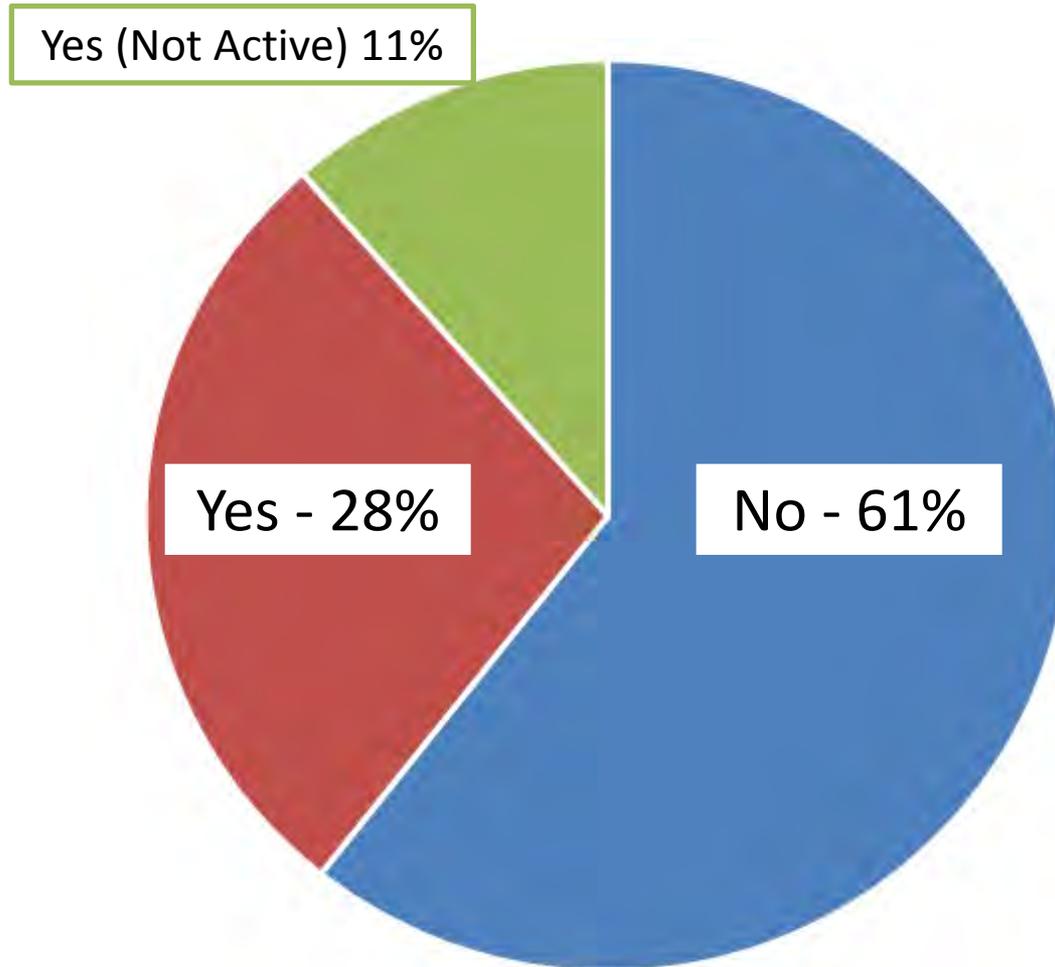
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LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

## SPARS/SLEIS Transition

November 8, 2016

# SGP Workshop – SLEIS User Accounts



- What is SPARS?
- What is SLEIS?
- Why are we transitioning?
- When are we transitioning?
- What can YOU do to PREPARE?

# What is SPARS?

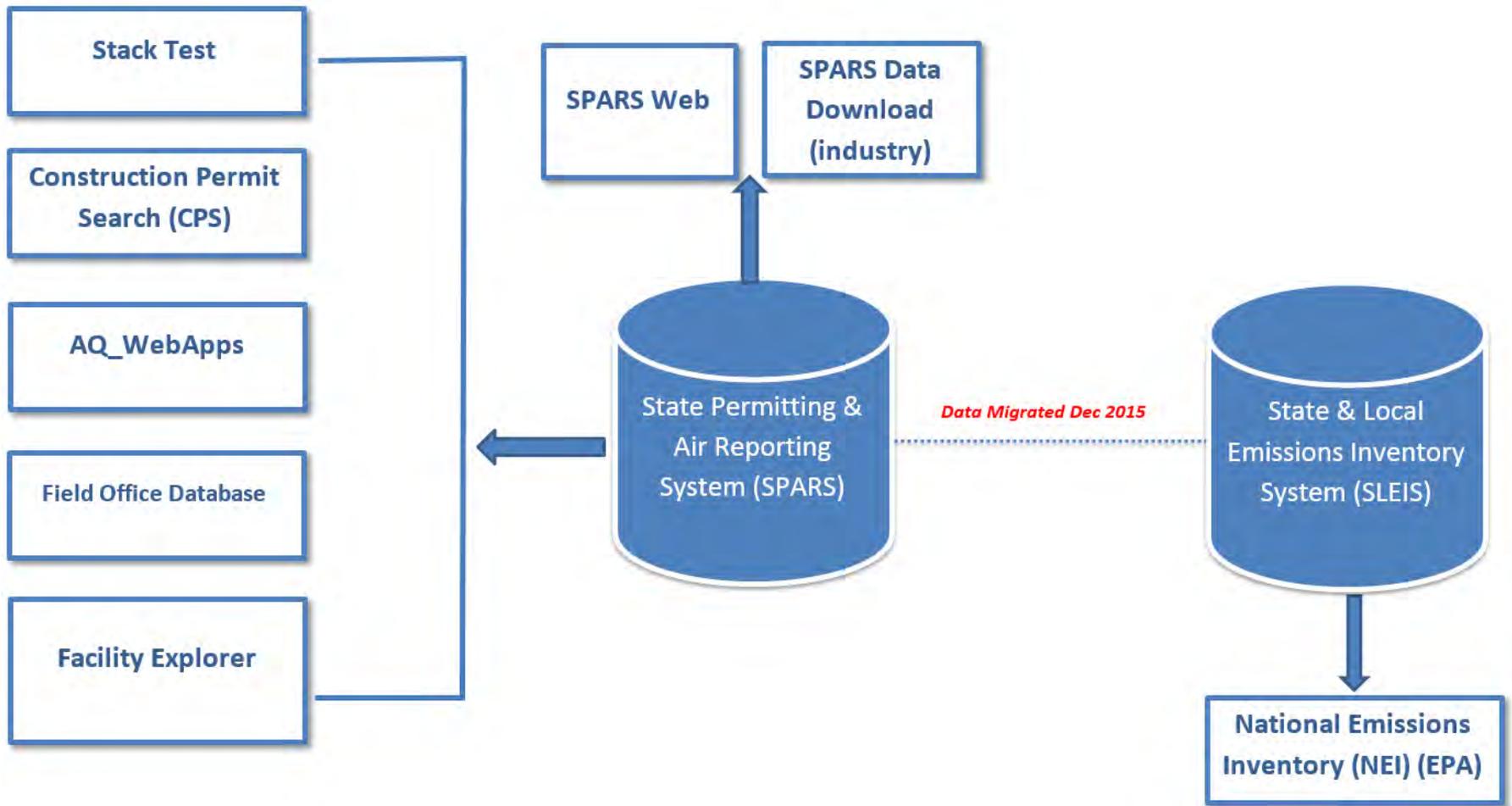


- State Permitting & Air Reporting System (SPARS)
- Initial launch in 2000
- Oracle Database/PowerBuilder Code/Appeon Middleware

# What is SPARS used for?

- Online submittal of air quality permit applications & emissions inventories
- Online permit tracking
- Online permits (PDFs)
- Specialized queries for planning, modeling, information requests, etc.
- Emissions data for National Emissions Inventory
- Data flows to other DNR systems

<http://www.iowadnr.gov/Environmental-Protection/Air-Quality/Construction-Permits/Permit-Search>



# Why does SPARS need replaced?



- Designed for hardware from the 1990's
- At-risk because of outdated & nonstandard technology
- Too slow
- Not easy to navigate or easy to use
- Security settings required for setup
- Can't upload (import) data
- Developer training & support not widely available
- Dated Database Architecture



# Are there any upcoming SPARS fixes or enhancements?

There are two main updates planned for release by the end of this calendar year:

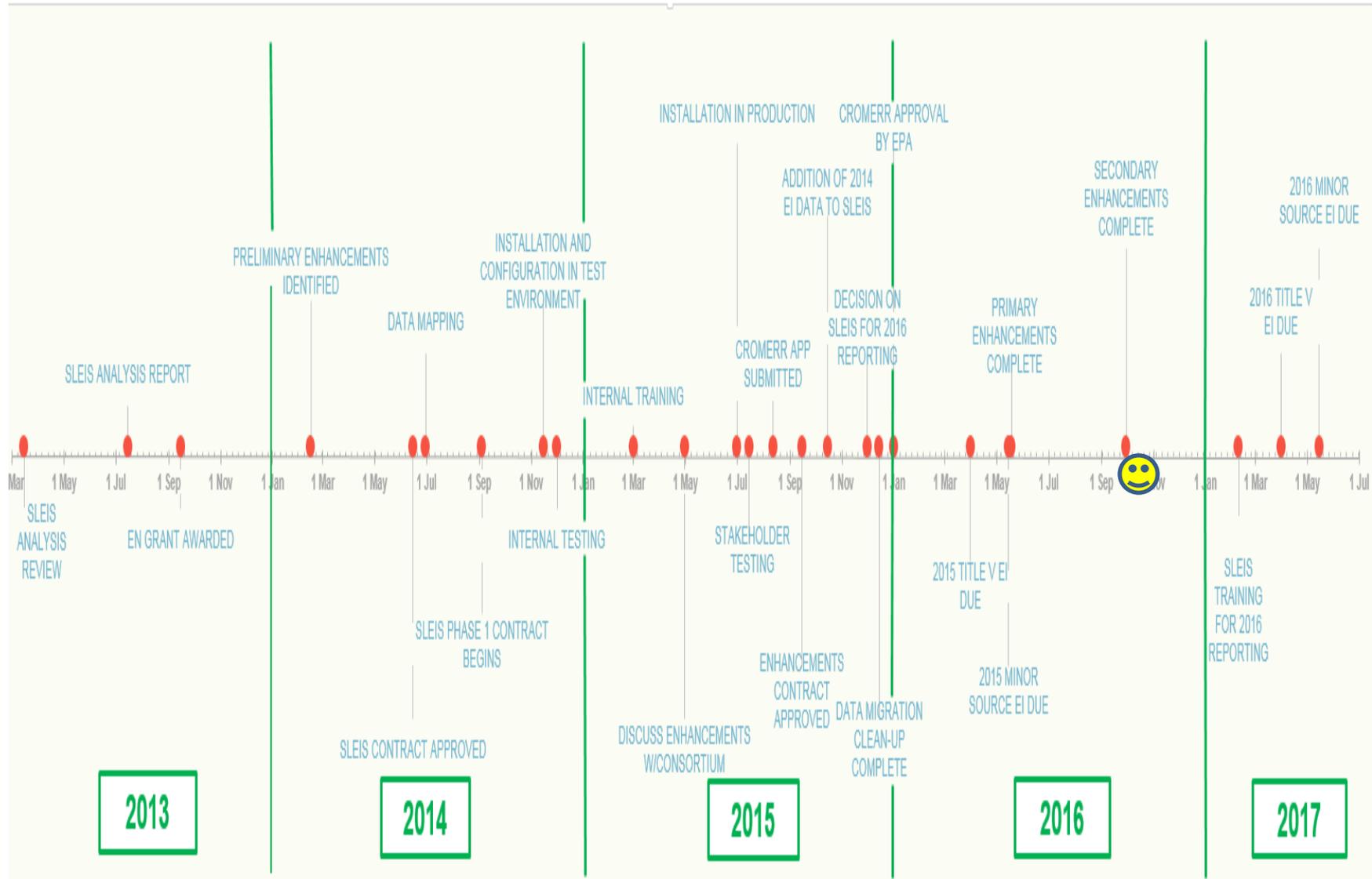
1. Remove Emissions Inventory Functionality (ver 5.11.16)
2. Replace server

# What is SLEIS?

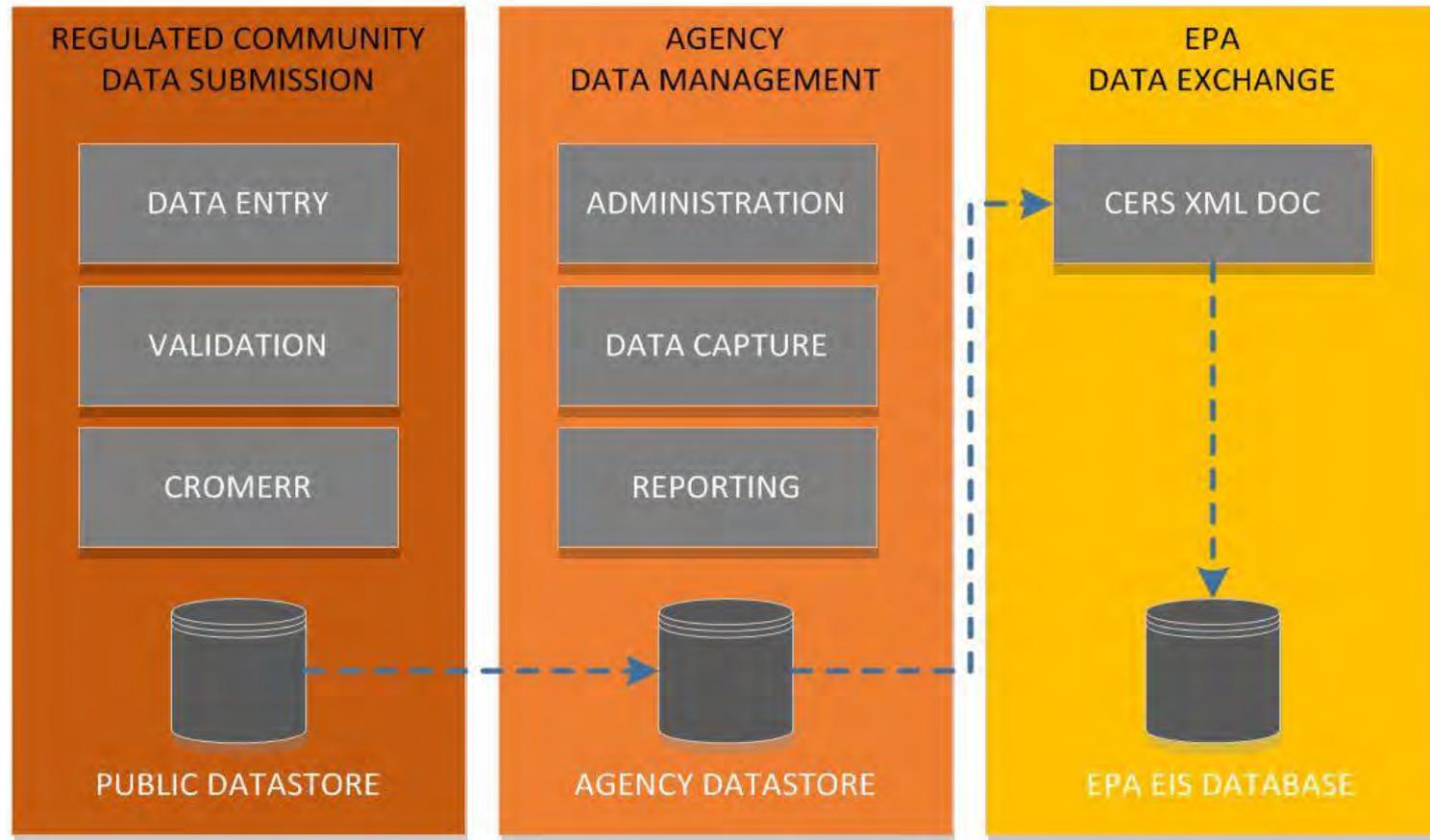


- SLEIS = State and Local Emissions Inventory System
- A web-based, emissions inventory system (not a permitting system)
- Developed by Windsor Solutions and SLEIS Consortium
  - Arkansas Dept. of Environmental Quality
  - Arizona Dept. of Environmental Quality
  - Delaware Dept. of Natural Resources and Environmental Control
  - New Hampshire Dept. of Environmental Services
  - West Virginia Dept. of Environmental Protection
  - Metropolitan Government of Nashville and Davidson County, TN

# SLEIS Timeline



# SLEIS Data Flow



# What can SLEIS do?

- Import data for process emissions
- Export facility equipment and process emission lists in csv files
- Users can request amendments to or repudiate emissions inventory submittals
- Includes a tip tool with field-level help text
- Provides validation errors to alert user what required data elements are missing or outside of expected ranges

# What can SLEIS do?

- Required fields are easily identifiable
- Multi-browser support
- No special add-ons to install
- Forgot password feature

# How do I access SLEIS?

<https://programs.iowadnr.gov/sleis/>

## Welcome

Welcome to the Iowa DNR State and Local Emissions Inventory System (SLEIS), a web-based application that allows permitted facilities to compile and submit point source emissions inventory data.

### Please Note:

Minimum browser requirements for SLEIS are Internet Explorer version 9 or later, Chrome, or Mozilla Firefox.

### Registration and Forms

Registration for SLEIS requires that you download and complete the provided registration forms using the links below. After you have completed the forms, please make a copy of the forms and mail the originals to the address indicated on the top of the forms. When we receive your registration forms, the information will be entered into SLEIS, and you will receive an email with a link to create your initial account password. The password must be between 8 and 30 characters long, and include at least one number, one uppercase letter, and one lowercase letter. After creating the password, you can login to SLEIS.

Please download, complete, and mail the following forms to register for SLEIS:

- [SLEIS Electronic Reporting Registration Form](#)
- [SLEIS Electronic Subscriber Agreement Form](#)

For questions about this process, please contact us at: [sleis@dnr.iowa.gov](mailto:sleis@dnr.iowa.gov).

### SLEIS Import File Specification

The purpose of this document is to describe the SLEIS file import process and flat file specification. It includes standards and conventions to use when constructing an import file, describes the physical structure of each import file type, and provides basic instruction on how to create a SLEIS import file:

- [SLEIS File Import Specification](#)

### SLEIS Supporting Documentation

The following documents are provided as supporting materials that may be useful when reviewing and updating the emissions inventory report:

- [SLEIS Source Classification Code \(SCC\) Table](#)

### Feedback

Your feedback regarding SLEIS is encouraged. To make an inquiry or suggestion, please click the **Submit general questions and/or comments** link below.

- [Submit general questions and/or comments](#)

## News

[SLEIS version 1.6.3 release notes](#)

09-30-2016

[SLEIS 1.6.3 Released](#)

09-29-2016

[SLEIS 1.5.0 Released](#)

05-18-2016

[SLEIS Training Videos Available](#)

02-01-2016

[SLEIS 1.4.0 Released](#)

11-13-2015

# SLEIS Access Request Form



## SLEIS Access Request Form



**MAIL TO:** Air Quality Bureau  
7900 Hickman Road, Suite 1  
Windsor Heights, IA 50324  
**ATTN:** SLEIS Administrator

By completing this form, you are requesting the Iowa DNR to create a user account for you to access the State & Local Emissions Inventory System (SLEIS). Once this account is created, you will receive an email, which will allow you to access the SLEIS application and complete the registration process.

Checking this box indicates: (1) that you agree to **protect your user ID and password** and (2) that you will promptly notify the SLEIS Administrator if you discover that your user ID or password has been compromised.

.....  
**The person identified in this form is a:**

**Viewer:** Can view the contents of an emissions inventory report, but cannot make any data modifications.

**Editor:** Can view and start/modify the contents of an emissions inventory report (i.e., can modify facility inventory and emissions data).

**Administrator:** Can remove facility users (does not delete the account, just removes association with the facility) and change a user's role who is assigned to the same facility as a user with the Administrator role. While an Administrator can assign someone as a Submitter, a user with the Submitter role cannot submit the report unless the IDNR - AQB has received an Electronic Subscriber Agreement Form for that user.

.....  
**List all facilities for which you wish to be designated as the Facility Administrator/Editor/Viewer in the Role column. Arrow down in the field to choose each role. (Duplicate this form as needed)**

FACILITY NAME	FACILITY LOCATION	FACILITY NUMBER (##-##-###)	ROLE

**Facility User's Identification**

Facility User's Name (Print)	
Facility User's Title	
Facility User's Phone Number	
Facility User's E-Mail Address	
Facility User's Mailing Address	
Date	

# SLEIS Subscriber Agreement Forms



**Iowa DNR - Air Quality Bureau  
State & Local Emission Inventory System (SLEIS)  
Electronic Subscriber Agreement Form**



**SLEIS Registration**

First Name	
Last Name	
Facility Name	
Title	
Phone Number	
E-Mail Address	
Mailing Address	
City	
Zip Code	

**SLEIS Access Request**

By completing the following information, you are requesting the Iowa DNR to create a **Facility Signatory** (Responsible Official) account for you. **NOTE: Only facility employees may be designated as Facility Signatories (Responsible Officials).**

.....  
Check the appropriate boxes

**The person identified in this form is the Responsible Official (Signatory) for:**

Minor Source Emissions Inventories       Title V Emission Inventories

**The person identified in this form is:**

An additional Responsible Official or Signatory

A replacement for \_\_\_\_\_ (name of Responsible Official or Signatory)

.....

**List the facilities for which you wish to be designated as the Signatory or Responsible Official. ([Link to add another Facility](#))**

Facility Name:	
Facility Street Address	
Facility City and Zip Code	
Facility Plant Number: <b>Format 00-00-000</b>	

**SLEIS E-Signature Agreement and Certification**

**1. I agree:**

- That for Title V purposes, I am a responsible official as defined by 567 IAC 22.100.
- To protect my unique electronic signature device (SLEIS account ID, SLEIS password, and knowledge-based questions) from compromise and from use by anyone except me.
- To maintain the secrecy of my electronic signature device, i.e. I will not divulge or delegate my SLEIS account ID, SLEIS password, or my answers to the knowledge-based questions included in my Signatory Identity Baseline to any other individual. Furthermore, I will not store these in an unprotected location and will not allow them to be written into computer scripts to achieve automated log-in.
- To contact the SLEIS Administrator within one business day from suspecting or determining that my SLEIS account ID, SLEIS password, and/or my answers to the knowledge-based questions included in my Signatory Identity Baseline have become lost, stolen, or otherwise compromised.

06/2015 kc      1      DNR Form 542-xxxx



**Iowa DNR - Air Quality Bureau  
State & Local Emission Inventory System (SLEIS)  
Electronic Subscriber Agreement Form**



- That **prior** to submission, I will review the contents of the electronic document for which I am the signatory.
- To review, in a timely manner, each e-mail receipt from DNR for all electronic submittals for which I am the signatory. In addition to the date and time of submittal, each e-mail should identify the document submitted and the submitter.
- To contact the SLEIS Administrator if I do not receive an e-mail receipt as specified above within five (5) business days of my submission.
- To contact the SLEIS Administrator if I find any evidence of discrepancy between documents submitted and those received by SLEIS.
- That if I cease to be a signatory for the requested facility or facilities, I will notify the SLEIS Administrator within five (5) business days from the time I know of this change in my duties.
- To retain a copy of this signed agreement as long as I am a signatory for the requested facility or facilities.

**2. I understand:**

- That the DNR will contact my company to verify my identity and signing authority.
- That signing this agreement allows me to use the Iowa DNR SLEIS program to submit electronic documents in lieu of paper submissions to the Iowa DNR's Air Quality Bureau.
- That **after** submission, I will have the opportunity to review the electronic document for which I am the signatory and that I will be able to rescind it based on this review.
- That I will be legally bound, obligated, and responsible by using my electronic signature device as I would be by using my handwritten signature.
- That the Iowa DNR SLEIS program will automatically reject any electronic document attempted to be submitted without a valid electronic signature if such signature is required.

**3. I certify:**

- Under penalty of law that based on the information and belief formed after reasonable inquiry, the statements and information contained in electronic submissions for which I am the signatory are true, accurate, and complete.
- That my company has obtained legal entitlement to install and operate the equipment covered by and on the property identified in electronic construction permit applications for which I am the signatory.
- That making false statement, representation, or certification of electronic submissions for which I am the signatory may result in civil or criminal penalties.

<b>Responsible Official's Signature:</b>	
Date Signed:	

**IMPORTANT – Sign and mail or hand-deliver this completed form to:**

Air Quality Bureau  
7900 Hickman Rd, Suite 1  
Windsor Heights, IA 50324  
Attn: SLEIS Administrator

.....

06/2015 kc      2      DNR Form 542-xxxx

# What improvements are in SLEIS ver 1.6.3?

SLEIS version 1.6.3 released on 9/30/2016

- Improved Emissions Reporting webpages
  - e.g. more data is available with less scrolling
- Better PDF of Emissions Inventory Report
  - e.g. page breaks added between release points
- Increased Flexibility
  - e.g. direct entry of Source Classification Codes, rectangular stack openings added
- Upgraded Auto-Calculation Features
  - e.g. users can view and verify emissions prior to saving work
- Standardized Order of Pollutants

# When will 2017 SLEIS Training Dates & Locations be Announced?

- Cedar Rapids
  - January 31, 2017 10:30 am to 3:30 pm
  - February 7, 2017 10:30 am to 3:30 pm
- Des Moines
  - February 2, 2017 10:30 am to 3:30 pm
  - February 9, 2017 10:30 am to 3:30 pm
- Registration will open in December and be announced via the Air Quality Bureau's list serve

# What online training resources are available for SLEIS?

- Recorded SLEIS Training Videos
  - <http://www.iowadnr.gov/Environmental-Protection/Air-Quality/eAirServices/eAirServices-Online-Training>
  - Twelve tutorials that cover updating facility and equipment information, emissions inventory data entry, file import, and how to submit

- eAirServices webpage ([www.iowadnr.gov/eairservices](http://www.iowadnr.gov/eairservices))
  - Scheduled trainings
  - SLEIS access forms
  - SLEIS 101 user's guide
  
- E-mail questions/comments to [sleis@dnr.iowa.gov](mailto:sleis@dnr.iowa.gov)

# How many facilities used SLEIS this year?

- 2015 Title V Emissions Inventory Submittals
  - SLEIS: 125 (44%)
  - Paper: 125 (44%)
  - SPARS: 33 (12%)
- 2015 Minor Source Emissions Inventory Submittals
  - Paper: 258 (60%)
  - SLEIS: 151 (35%)
  - Spreadsheet: 14 (3%)
  - SPARS: 7 (2%)

# SLEIS version 1.6.3 Screenshots

# 2016 Emissions Report

In Process

## Release Points

Retrieved records 1 - 12 of 12, showing 12.

Filter:

Identifier	Type	Status	Actions
EP-01 Boiler Stack	Vertical	Operating	
EP-02 Emergency Generator Stack	Vertical	Operating	
EP-03 Paint Booth Stack #1	Vertical with Rain Cap	Operating	
EP-04 Paint Booth Stack #2	Vertical with Rain Cap	Operating	
EP-05 Welding Booth Exhaust	Horizontal	Operating	
EP-06 ABRASIVE BLASTING EXHAUST	Downward-facing Vent	Operating	
EP-07 Welding Exhaust	Horizontal	Operating	
EP-08 Paint Booth Stack	Vertical	Operating	
EP-09 Paint Booth Stack	Vertical	Operating	
EP-10 Paint Booth Stack	Vertical with Rain Cap	Operating	
EP-11 Test unit for training	Vertical	Operating	
EP-12 Welding Booth Stack	Vertical	Operating	

Export

Add

**Improved Screen Design:**  
✓ Previously, you could only see 3 release points without scrolling. Now you can see ~20.



# 2016 Emissions Report

In Progress

## Release Points

Release Point Location Additional Information

Identifier:

EP-01

Type:

Vertical

Description:

Boiler Stack

Status:

Operating

Status Date:



Stack Height:

15 FEET

Stack Shape:

Circular  Rectangular



New stack dimension option

Stack Diameter:

1 FEET

Exit Gas Temp:

200 °F

Exit Gas Flow Rate:

2500 ACTUAL CUBIC FEET PER MINUTE

# 2016 Emissions Report

In Process 

## Unit Processes

**Unit Process** | Regulatory Programs | Control Approach | Release Point Apportionment | Additional Information

 Process Identifier:

EU-01 -01

 Emission Unit Identifier:

EU-01 - Heating Boiler

 SCC:

Code:

10200602

~ or ~

External Combustion Boilers	
Industrial	
Natural Gas	
10-100 Million BTU/hr	



SCC drop down menu



Four SCC level descriptions

# 2016 Emissions Report

In Progress

## Process Emissions

Process Operations Emissions

Pollutant:	Emis. Factor (Lbs/Unit):	Emis. Factor UOM:	Calculation Method:	Emissions (Tons):
PM25-PRI	7.6	E6FT3	31 - Vendor EF (pre-control)	0.95
PM10-PRI	7.6	E6FT3	2.2 - Engineering Judgement EF (pre-control)	0.95
PM-PRI	7.6	E6FT3	29 - S/L/T EF (pre-control)	0.95
SO2	0.6	E6FT3	8 - USEPA EF (post-control)	0.075
NOX	1.00	E6FT3	10 - Site Specific EF (post-control)	12.5
VOC	5.5	E6FT3	8 - USEPA EF (post-control)	0.6875
CO	84	E6FT3	8 - USEPA EF (post-control)	10.5
Lead	0.0005	E6FT3	8 - USEPA EF (post-control)	0.0000625
NH3	3.2	E6FT3	8 - USEPA EF (post-control)	0.4
Formaldehyde	0.075	E6FT3	8 - USEPA EF (post-control)	0.009375
Hexane	1.8	E6FT3	8 - USEPA EF (post-control)	0.225
Toluene	0.0034	E6FT3	8 - USEPA EF (post-control)	0.000425
Naphthalene	0.00061	E6FT3	8 - USEPA EF (post-control)	0.00007625

**Pollutant Code:** 91203 - Naphthalene

**Calculation Method:** 8 - USEPA EF (post-control)

**Emission Factor (Lbs/Unit):** 0.00061

**Emission Factor Unit:** E6FT3 - MILLION CUBIC FEET

**Estimated Emissions (Tons):** 0.00007625

**Comment:**

Navigation buttons: Add, Calculate All, Next, Cancel, Save

- ✓ New "Calculate All" button
- ✓ Standardized List of Air Pollutants
- ✓ New accordion style display improves screen design



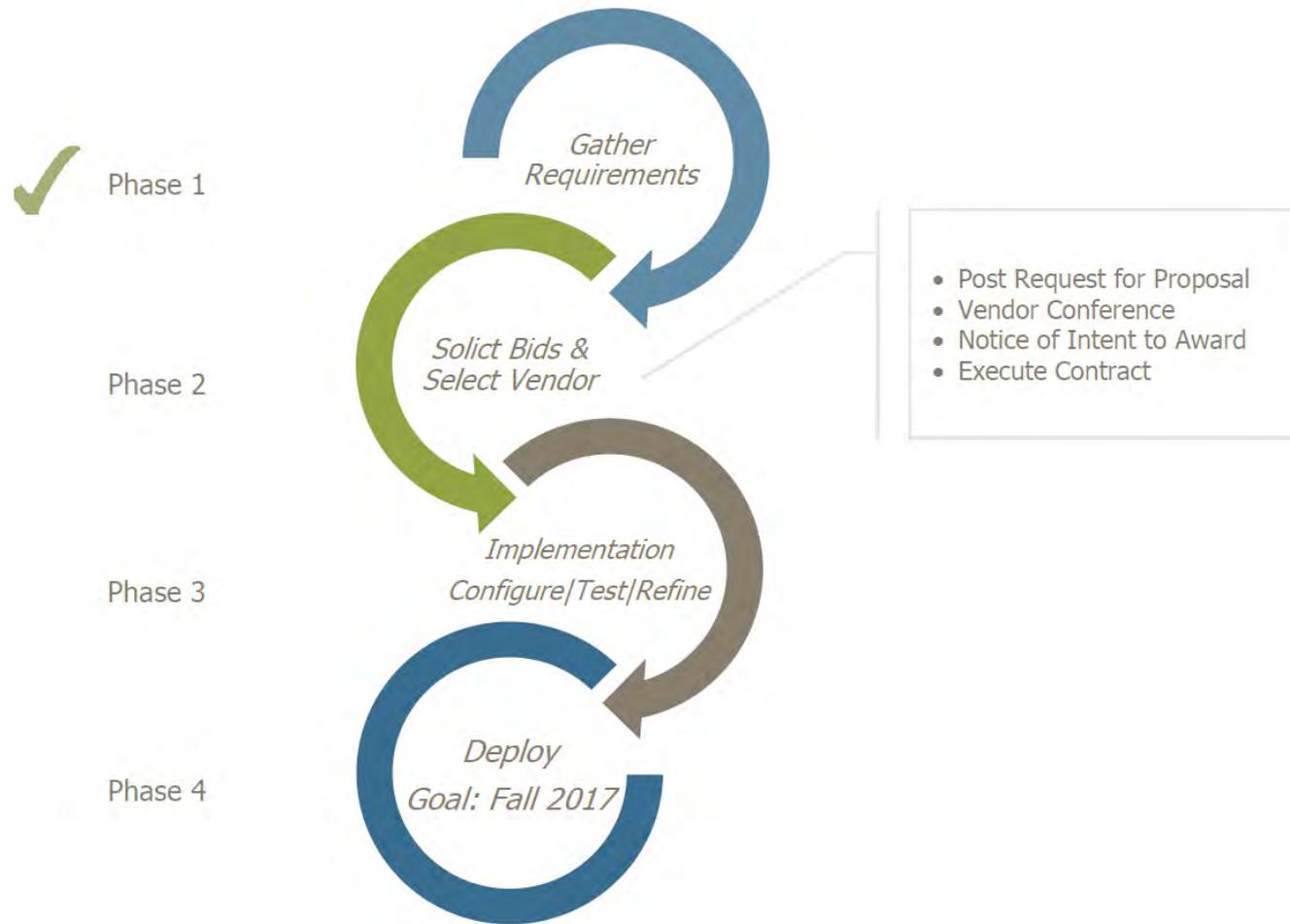
# What is the status of the e-Application project that will replace SPARS?

**January 2016** – DNR began gathering stakeholder input to develop new electronic permit application tools

**July 2016** – Draft Software Requirements Specifications Completed

**September 2016** – Request For Proposals (RFP) posted  
[http://bidopportunities.iowa.gov/?pgname=viewrfp&rfp\\_id=12772](http://bidopportunities.iowa.gov/?pgname=viewrfp&rfp_id=12772)

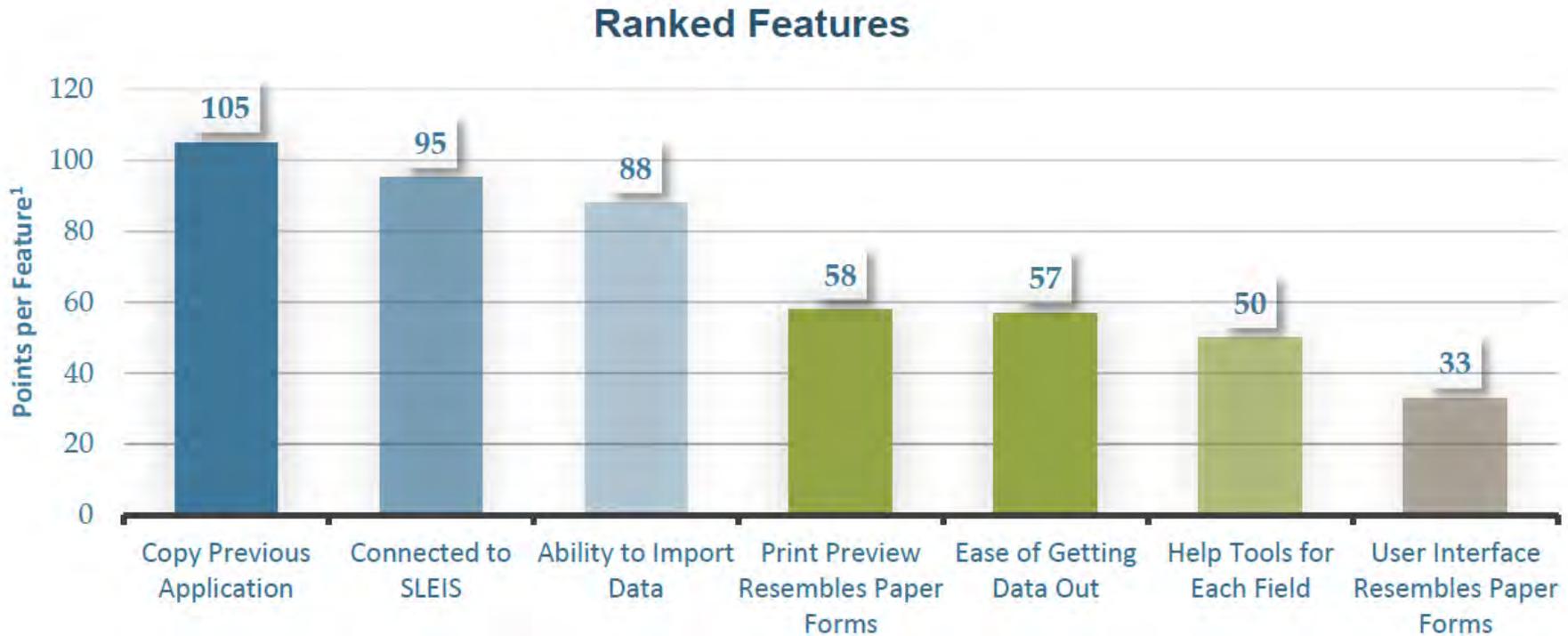
# Next Steps



# Stakeholder Input

Question	Survey Says	Requirement
What type of technology will you use to enter permit applications?	Desktop/Laptop	Must be compatible with desktop, laptop and tablet-type devices, as well as common internet browsers.
How does your facility want to pay permit application fees?	Option to pay online	Must provide access to a third party vendor that complies with Payment Card Industry Data Security Standards.
What type of system works best, a database with online forms or a document storage library?	Robust database with a web-based user interface	Online forms must meet needs of both internal and external users, and include data validation rules.
How much data should be copied from existing data systems?	Copy the most recent application and equipment data	Must minimize the amount of obsolete data transferred to the new system. Include an opportunity for customers to review and update data.
How should the new system handle Equipment IDs?	Facility has autonomy managing Equipment IDs	Must provide flexibility for users to create and manage equipment IDs and maintain data integrity.

# Stakeholder Input



<sup>1</sup> Each participant was given 14 points to vote for a feature more than once or not at all.

# What can you do to prepare?

- Request a SLEIS user account if you don't already have one
- Review/Update your facility's equipment data
- Sign-up for a training session
- Contact [sleis@dnr.iowa.gov](mailto:sleis@dnr.iowa.gov) with questions or comments
- Provide feedback on e-Application configuration, customization and data migration options
- Start your 2016 Emissions Report in SLEIS today!

# Contact Info

Jason Marcel

515-725-9529

[Jason.Marcel@dnr.iowa.gov](mailto:Jason.Marcel@dnr.iowa.gov)

# Asbestos Notification System

- Agile Scrum Development
- Shared CROMERR Services
- ePay Services
- Real-time User Registration & Identity Proofing
- Anticipated Launch – January 2017

# Preview

## IOWA DNR - ASBESTOS NOTIFICATION SYSTEM

Welcome to the State of Iowa Asbestos Notification System. This system allows contractors to electronically submit notifications for asbestos abatement, demolition, renovation, training fires, and building burns. If you already have an account, you can log in below. Otherwise, click the Create Account button.

### Building Owners and Managers



### Log In

For Existing Accounts

[Forgot Password](#)

[Log In](#)

### Create Account

**Why is this needed?** You must create an account in order to submit your notifications electronically to the Iowa DNR. Creating an account will protect the security of your submissions and prevent unauthorized individuals from accessing your information.

[Create Account](#)

## IOWA DNR - ASBESTOS NOTIFICATION SYSTEM

Demolition and Renovation of a Building



### 1. Type of Notification

\*Notification Type

\*Postmark/Submit Date (MM/DD/YYYY)

### 2. Type of Operation

\*Operation Type

### 3. Is Asbestos Present

\*Asbestos Present

### 4. Scheduled Dates of Asbestos Removal (MM/DD/YYYY)

\*Start Date

\*End Date

### 5. Scheduled Dates of Demolition or Renovation (MM/DD/YYYY)

\*Start Date

\*End Date

### 6. Facility Description

\* Please search buildings by clicking on the 'Search Buildings' button

[Search Buildings](#)

\*Building Name

\*Address 1

\*City

\*Building Size (Sq Ft)

\*Present Use

\*Asbestos Location

Address 2

\*State

\*Number of Floors

\*Prior Use

\*County

\*Zip Code

\*Year Constructed

[Save & Continue](#)

