



# IOWA DEPARTMENT OF NATURAL RESOURCES

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LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

**Air Quality Program Technology Updates**

**Iowa Strategic Goals Program**

**May 24, 2022**

Jim McGraw, Environmental Program Supervisor

# Overview

Focus on recent and upcoming air program changes associated with:

- Electronic records access
- Electronic permit applications and reports
- ESD Dashboards

# Electronic Records Access



# Electronic Records: Goals

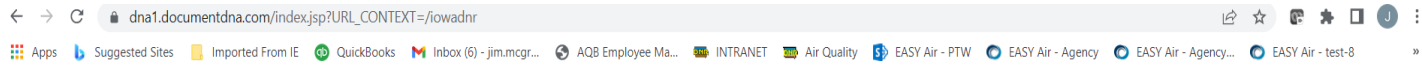
- Pandemic taught us that it's an always "ON" digital world.
- People expect to have 24/7 access to the tools they need to conduct business, including public records.
- DNR Goals:
  - All public records available on-line in next 2 years.
  - Working towards digitizing all paper records and not generating new paper records.

# Electronic Records: Current Status

- Transitioning from legacy DocDNA electronic records storage system to new Open Text storage system
- Access both systems at:  
<https://www.iowadnr.gov/Environmental-Protection/Air-Quality/Public-Records-Air-Quality>
- Since Feb 4, new records uploaded to Open Text only
  - DocDNA accessible throughout transition
- Transition expected to be complete by Summer 2022

# DocDNA Searches

- DocDNA: [https://dna1.documentdna.com/index.jsp?URL\\_CONTEXT=/iowadnr](https://dna1.documentdna.com/index.jsp?URL_CONTEXT=/iowadnr)

A screenshot of the DocDNA login page. The page features the IowaDNR logo (Iowa Department of Natural Resources) in the top left. In the top right corner, there is a pink button labeled 'New Theme'. Below the logo is a dark blue banner with the text 'Welcome - Please Sign In'. The login form includes a text input field for the username, followed by 'User ID' and 'Password' labels, each with a corresponding text input field. Below the password field is a checkbox labeled 'Keep me signed in'. A green 'Sign in' button is positioned below the checkbox. At the bottom of the form, there is a note: 'For the upgraded version click **New Theme** button on the top right of this page. For any queries about the new layout, contact email id ( [DNA.SV.Ops@exelaonline.com](mailto:DNA.SV.Ops@exelaonline.com) )'. At the very bottom, there is a 'Help Desk' section with the following contact information: 'Email: [hovhelpdesk@exelaonline.com](mailto:hovhelpdesk@exelaonline.com)' and 'Phone: (800) 733-7642'.

# DocDNA Searches (cont.)

- Search by the facility to find construction permitting, compliance, emissions testing and monitoring, and minor source emissions inventory records.

The screenshot shows a web browser window displaying the DocDNA search interface for the Iowa Department of Natural Resources. The browser's address bar shows the URL: `dna1.documentdna.com/index.jsp?URL_CONTEXT=/fowadnr`. The browser's tab bar includes several tabs, with the active one being "EASY Air - test-8".

The interface features a blue header with the "IowaDNR" logo and navigation links: "Batch Download Status", "My Profile", and "Users guide". Below the header is a green navigation bar with "Site Navigation" (containing "Report List" and "Search Page") and "Tools" (containing "Search" and "Clear All"). A "Logout" link is also present in the top right.

The main search area is divided into two columns. The left column contains instructional text: "The AIR NEW report has been indexed with the following keys. To search for a key, fill in the search criteria and click on the Search button above" and "Wildcard can only be used as suffix. [ i.e. William\* and not \*William ]". The right column contains a search form with the following fields: "Plant #", "Plant Name", "Document Type" (a dropdown menu), "Project/EIQ #", "Permit #", "Doc Date [mm/dd/yyyy]" (with a date range selector), "Notes", "City", "County", "Permit Type/Work Activity" (a dropdown menu), "Doc ID", and "Box#" (with a range selector).

At the bottom of the interface, a blue bar indicates "Powered by document DNA".

# Open Text Searches

- Web-based interface used to access Open Text:  
<https://programs.iowadnr.gov/documentsearch/>
- Allows easy searches by a variety of meta data:
  - Facility number or facility name.
  - Program (Air, Land, Water)
  - City or county
- Search an individual program or all programs (with additional programs as they are added).
- Bonus: Includes TV records



# Open Text Searches (cont.)

The screenshot shows a web browser window with the URL `programs.iowadnr.gov/documentsearch/`. The browser's address bar and tabs are visible at the top. The page header includes the Iowa.gov logo and navigation links for Services, Agencies, and Social. The main content area is titled "DOCUMENT SEARCH - HOME" and contains a welcome message: "Welcome to the Iowa DNR's centralized electronic document search system". Below this, there are two columns of information. The left column lists various DNR programs that can be searched, including Air Quality, Legal - Administrative Orders, Land Quality - Contaminated Sites, Land Quality - Comprehensive Planning, Land Quality - Dam Safety, Land Quality - Flood Plains, Land Quality - LUST, Land Quality - UST, Land Quality - Solid Waste Permitting, Land Quality - SWAP, Water Quality - NPDES, Water Quality - Stormwater, Water Quality - Time of Transfer, and Water Quality - Water Supply Engineering Plans & Specs. A "Search Documents" button is located at the bottom of this list. The right column states "These additional DNR programs will be added soon:" and lists Contract Management, Grant Tracking, and Operator Certification. Below this list, it notes that "DNR Records Requests can be submitted at the Iowa DNR Records Center."

programs.iowadnr.gov/documentsearch/

Apps Suggested Sites Imported From IE QuickBooks Inbox (6) - jim.mcgr... AQB Employee Ma... INTRANET Air Quality EASY Air - PTW EASY Air - Agency EASY Air - Agency... EASY Air - test-8 Epay COVID 19 & Disast... ATI - INTRANET

iowa.gov Services Agencies Social

**DNR IOWA** DEPARTMENT OF NATURAL RESOURCES Home Search

## DOCUMENT SEARCH - HOME

Welcome to the Iowa DNR's centralized electronic document search system

Click the Search Documents button below, to search DNR documents for:

- Air Quality
- Legal - Administrative Orders
- Land Quality - Contaminated Sites
- Land Quality - Comprehensive Planning
- Land Quality - Dam Safety
- Land Quality - Flood Plains
- Land Quality - LUST
- Land Quality - UST
- Land Quality - Solid Waste Permitting
- Land Quality - SWAP
- Water Quality - NPDES
- Water Quality - Stormwater
- Water Quality - Time of Transfer
- Water Quality - Water Supply Engineering Plans & Specs

Search Documents

These additional DNR programs will be added soon:

- Contract Management
- Grant Tracking
- Operator Certification

DNR Records Requests can be submitted at the Iowa DNR Records Center.

# Open Text Searches (cont.)

→ ↻ programs.iowadnr.gov/documentsearch/Home/Search

Apps Suggested Sites Imported From IE QuickBooks Inbox (6) - jim.mcgr... AQB Employee Ma... INTRANET Air Quality EASY Air - PTW EASY Air - Agency EASY Air - Agency... EASY Air - test-8

wa.gov Services Agencies Social

**DNR IOWA** DEPARTMENT OF NATURAL RESOURCES Home Search

## DOCUMENT SEARCH - SEARCH

Search Criteria

Program <input type="text" value="All Programs"/>	Document ID <sup>⓪</sup> <input type="text" value="Document ID"/>	Facility ID <sup>⓪</sup> <input type="text" value="Facility ID"/>
Facility Name <sup>⓪</sup> <input type="text" value="Facility Name"/>	Permit Number <input type="text" value="Permit Number"/>	Project Number <input type="text" value="Project Number"/>
City <input type="text" value="City"/>	County <input type="text" value="Select one"/>	Type <sup>⓪</sup> <input type="text" value="Type"/>
Notes <sup>⓪</sup> <input type="text" value="Notes"/>	Document Date (Range Start) <sup>⓪</sup> <input type="text" value="mm/dd/yyyy"/>	Document Date Range End <input type="text" value="mm/dd/yyyy"/>

Show:

State of Iowa DNR Home Site Policy Leading Iowans in caring for our natural resources Version: 1.0.4.10970

# Other Online Searches

- [\*\*EASY Air Public Inquiry Portal:\*\*](#) Permits and applications submitted in EASY Air.
- [\*\*Construction Permits:\*\*](#) Air construction permits by city, county or facility name.
- [\*\*Operating Permits:\*\*](#) Draft and final Title V operating permits.
- [\*\*Ambient Air Monitoring Data:\*\*](#) Reports on current and historical air quality measurements.
- [\*\*Air Emissions:\*\*](#) Air emissions and trends in air emissions.
- [\*\*Iowa Administrative Rules for Air Quality:\*\*](#) See section 567, chapters 20 - 35.

# Are there other ways to access records?

- Yes: You may submit a request for public records via the Iowa Information and Public Records Request Portal:  
<https://iowaopenrecords.nextrequest.com/requests/new>
- OR:
  - E-mailing [DNR.Records.Request@dnr.iowa.gov](mailto:DNR.Records.Request@dnr.iowa.gov)
  - By phone: 515-725-8480
  - By mail
  - Submit requests in person at the DNR Records Center

# Coming soon...

- Digitize microfilm and microfiche records
  - Upload to Open Text
  
- AQ Records & Reporting (AQRR) Web Application
  - Project with DNR AppDev Team
  - Records portion completed
  - Reporting- submit TV semi-annual and annual reports electronically
  - Will include CPS

# Electronic Permit Applications and Reports



- Iowa Environmental Application System for Air (EASY Air)
  - Went live December 5<sup>th</sup>, 2019
- Electronic application system for air construction permits and TV operating permits
- Staff use system to review and issue permits
- Public Access Portal:
  - <https://programs.iowadnr.gov/easyair/Public/GovEnt/Shared/Pages/Main/Login.aspx>

# Current Iowa EASY Air Use



## Construction permit applications: (12 month rolling total ending May 9)

Submittal Method	Major source applications	Minor source applications	Total
Online	91%	72%	82%
Paper	9%	28%	18%

## Title V permit applications: (12 month rolling total ending May 12)

Submittal Method	Initial & Renewal Applications	Minor & Significant Modifications	Total
Online	94%	59%	77%
Paper	6%	41%	23%





# Air Electronic Submittals Rulemaking

- Require electronic submittals of permit applications and emissions inventories beginning Jan 1, 2023
  - EASY Air and SLEIS
  - Major sources already required to use SLEIS
  - Rule effective May 11, 2022
- Outreach focus leading up to Jan 1:
  - FAQs and list servs
  - Revamping eAirServices webpage  
(<https://www.iowadnr.gov/Environmental-Protection/Air-Quality/eAirServices> )
  - EASY Air Enhancements

# EAirServices Webpage

→ → → iowadnr.gov/Environmental-Protection/Air-Quality/eAirServices

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HOME HUNTING FISHING THINGS TO DO PLACES TO GO CONSERVATION ENVIRONMENTAL PROTECTION ABOUT DNR

EAIRSERVICES [ENVIRONMENTAL PROTECTION](#) > [AIR QUALITY](#) > EAIRSERVICES

- ▶ Air Quality
  - > Air Pollutants
  - > Air Quality Fees
  - > Air Quality Index (AQI)
  - > Air Toxics - NESHAP
  - > Animal Feeding Operations
  - > Asbestos/Training Fires
  - > Availability Of Air Resources
  - > Compliance
  - > DERA Grants
  - > Construction Permits
  - > EAirServices
  - > Emissions Inventory
  - > Greenhouse Gas Emissions
  - > Implementation Plans

## eAirServices

The DNR's eAirServices is a secure portal for online business services. It is the entry point for the regulated community and consultants to electronically complete and file air quality reports, notifications and permit applications.

- + Iowa EASY Air
- + How Do I Get or Change Access?
- + What Instructions Are Available?
- + What Kind of Training is Available for Iowa EASY Air?
- + SLEIS, State & Local Emissions Inventory Reporting

SLEIS is the State and Local Emissions Inventory System. It is a web-based emissions inventory reporting system used by industry to manage facility and equipment information and to report point source emissions data to DNR. It is an intuitive reporting system that easily allows users to enter and extract data.

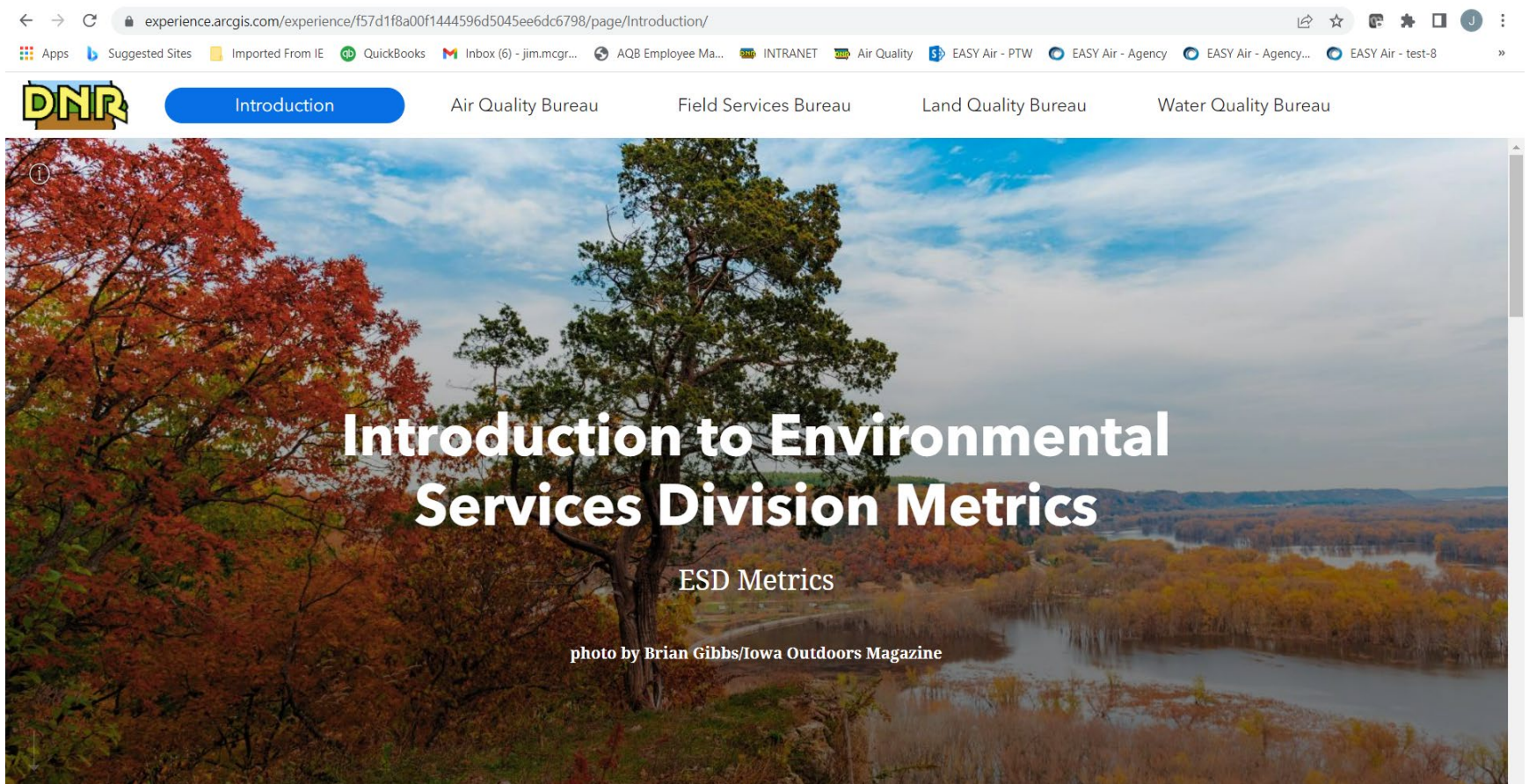
**Login: Emission Inventory Reporting**

Questions about SLEIS? Contact us at [sleis@dnr.iowa.gov](mailto:sleis@dnr.iowa.gov) or call 515-725-9544.

**SLEIS** State & Local Emissions Inventory System

# Environmental Services Dashboards

- Link to dashboards at: <https://www.iowadnr.gov/Environmental-Protection>



The screenshot shows a web browser displaying the 'Introduction' page of the Environmental Services Division Metrics dashboard. The browser's address bar shows the URL: <https://experience.arcgis.com/experience/f57d1f8a00f1444596d5045ee6dc6798/page/Introduction/>. The browser's address bar also shows several tabs: 'Apps', 'Suggested Sites', 'Imported From IE', 'QuickBooks', 'Inbox (6) - jim.mcgr...', 'AQB Employee Ma...', 'INTRANET', 'Air Quality', 'EASY Air - PTW', 'EASY Air - Agency', 'EASY Air - Agency...', and 'EASY Air - test-8'. The dashboard header features the DNR logo on the left and a navigation menu with the following items: 'Introduction' (highlighted in blue), 'Air Quality Bureau', 'Field Services Bureau', 'Land Quality Bureau', and 'Water Quality Bureau'. The main content area is a large image of a river landscape with trees in autumn. Overlaid on the image is the text: 'Introduction to Environmental Services Division Metrics' in large white font, 'ESD Metrics' in smaller white font, and 'photo by Brian Gibbs/Iowa Outdoors Magazine' in small white font at the bottom.

# Air Quality Dashboard Metrics

- EASY Air: Active permit application submissions
- Asbestos Notifications
- Pollutant Emissions: Major and minor point sources
- GHG emissions summaries
- AirNow: Ambient Air Quality Monitoring

# Active Permit Application Submissions Dashboard



Introduction

**Air Quality Bureau**

Field Services Bureau

Land Quality Bureau

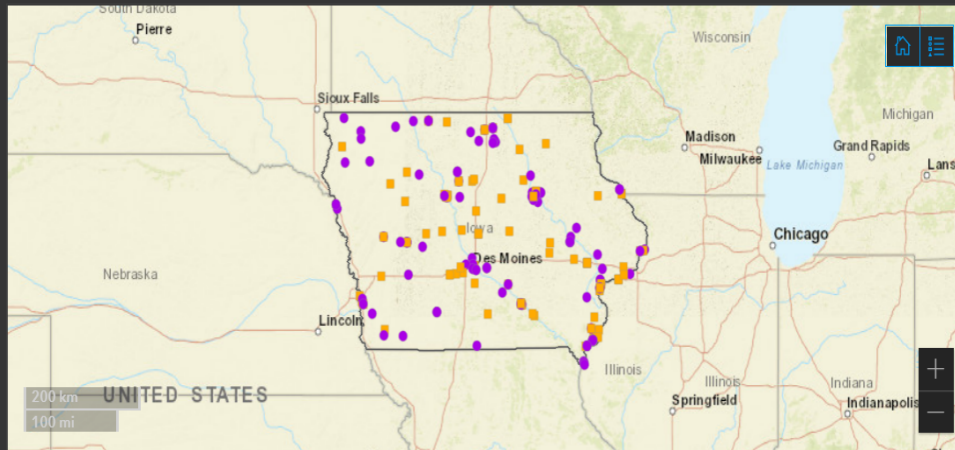
Water Quality Bureau

## Active Application Submissions

# 190

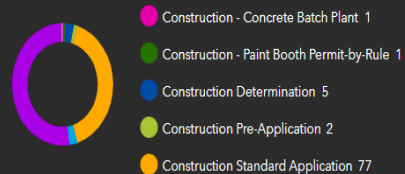
0 portable submissions unable to display on map

All active submissions are being displayed on the map

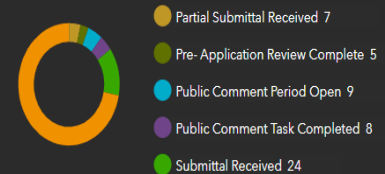


Esri, HERE, Garmin, NGA, USGS, NPS  
 This data can also be viewed in table format on the [Iowa Easy Air Applications](#) page

### Submission Type



### Review Status



### EasyAir Active Applications

#### Program Type

- Title V Program
- Construction Program

#### ABSOLUTE ENERGY, LLC

Facility: 66-10-001  
 Project/EQ: 22-178  
 Status: Technical Review

#### ABSOLUTE ENERGY, LLC

Facility: 66-10-001  
 Project/EQ: 22-177  
 Status: Technical Review

#### ADM - DES MOINES SOYBEAN

Facility: 77-01-045  
 Project/EQ: 19-343  
 Status: Technical Review

#### ADM CLINTON BIOPROCESSING

Facility: 23-01-006  
 Project/EQ: 92-6805  
 Status: Technical Review

#### ADM CORN PROCESSING - CEDAR RAPIDS

Facility: 57-01-080  
 Project/EQ: 92-9080  
 Status: Technical Review





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