



GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

2022 Emission Inventory – GECO/CAERS Updates

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Air Protection Branch

Georgia Environmental Protection Division

**2022 EI Point Source Emission Reporting
Training Webinar**

February 13, 2023



TRAINING GOALS

- **Regulatory Info/Applicability of Emission Inventory**
- **What is CAERS?**
- **GECO EI & Application Walkthrough**
- **CAERS EI Updates & Opt-in /Opt-out Walkthrough**
- **EI QA & Opt-out Form**
- **HAPs Guidance Updates**
- **Lessons learned in 2021EI**
- **Resource Info/ What's Next**
- **Q & A**



EMISSION INVENTORY REGULATION/APPLICABILITY



EI REGULATORY BASIS

Regulations requiring GA EPD to collect an Emissions Inventory

- 1. Federal:** 40 CFR Part 51 Subpart A - Air Emissions Reporting Requirements (AERR) and the EPA Air Planning Agreement
- 2. State:** Georgia Rule 391-3-1-.02(6)(b)1.

States are required to annually report **actual** point source emissions data to EPA by **December 31st**. GA EPD requires participating facilities to report data by **June 30th**.



APPLICABILITY

All Part 70 Major Sources are subject.

- Exceptions include:
 - Permitted but not constructed
 - Federally Enforceable Permit Limit (e.g., Synthetic Minor or Major HAP sources)
 - Shutdown during the entire calendar year

2022 EI Year is an Annual Year

1. Annual thresholds are higher than Triennial Year thresholds
2. Thresholds are PTE-based

Annual Year PTE Thresholds	
Pollutant	(tons per year)
SO ₂	≥ 2500
VOC	≥ 250
NO _x	≥ 2500
CO	≥ 2500
Pb	--
Primary PM ₁₀	≥ 250
Primary PM _{2.5}	≥ 250
NH ₃	≥ 250



WHAT IS CAERS?



WHAT IS CAERS?

CAERS (Combined Air Emissions Reporting System) is an application that allows industry from subscribed State, Local, or Tribal authorities (or SLTs) to report their air emissions.

This allows:

- SLT's to meet specific air emissions reporting requirements
- Annual or triennial reporting to meet the requirements of the Air Emissions Reporting Requirements (AERR) rule
- Facilities to voluntarily report HAPs emissions at process level which could be used to pre-populate Toxics Release Inventory (TRI) air toxics emissions.
 - TRI data must still be completed and certified in TRI-MEweb
 - EPD is continuously encouraging facilities to submit HAPs emissions to CAERS



CAERS USER ROLES

Preparer

- **Is authorized to determine EI participation via CAERS and/or prepare an emissions report for a facility** (e.g., consultant, staff person working for the facility).
- **A facility can have multiple preparers** (each with an individual account associated with the facility).
 - If submitting HAPs data for TRI within CAERS, this could include the TRI preparer.
- **A single preparer can be associated with more than one facility** (an individual account associated with several facilities).
- **A preparer does not fulfill the same role as the Certifier**
 - Not authorized to certify opt-out status
 - Not authorized to certify and submit the report on behalf of the facility



CAERS USER ROLES

Certifier

- **Can determine EI participation status via CAERS and/or prepare the emissions report**
- **Is authorized to certify the emissions report or opt out of the EI to meet your legal obligation for reporting to your SLT.**
- **Only one Certifier for a facility.**
- **A single Certifier can have multiple facilities** (multiple facilities associated with the certifier account).
- **The Certifier can also be a preparer** (only one CAERS account needed).
- **Total toxics air emissions are made available for TRI-MEweb once the facility has certified the report in CAERS.** Note: CAERS certification is not a certification of the TRI submission. Toxics air data are certified in TRI-MEweb, not CAERS.



GECO EI APPLICATION WALKTHROUGH



SIGNING IN

The screenshot shows the GECO website interface. At the top, a dark blue header contains the Georgia logo, the text "Georgia Environmental Connections Online", the URL "https://geco.gaepd.org/" in a light blue box, and links for "Contact", "Register", and "Sign In". The "Register" and "Sign In" links are enclosed in a red box. A red arrow points from this box down to a light blue box containing the text "Register for an account if new to GECO". Below this, another red box highlights the "Sign In" and "Register" buttons. A red arrow points from the "Register for an account..." box to the "Register" button. The main content area has a white background and includes a "Welcome to GECO" section with a paragraph about the service. Below this are sections for "Event Registration" and "Emissions Inventory", each with a brief description.

Georgia Environmental Connections Online

<https://geco.gaepd.org/>

Contact Register Sign In

Welcome to GECO

Georgia Environmental Connections Online ("GECO") is an online service allowing public access to various Georgia Air Protection Branch applications. You must be a registered user to access the online applications.

Sign In Register

Register for an account if new to GECO

Event Registration

The GECO site is used to register for classes, workshops, and other events hosted by Georgia EPD. You may view the [upcoming events](#), but a GECO account is required to register for any event.

Emissions Inventory

The [National Emissions Inventory](#) (NEI) is a detailed estimate compiled by the US EPA of air emissions that include criteria pollutants and hazardous air pollutants from air emissions sources. Emissions inventory data for all Part 70



ACCESS TO YOUR FACILITY (1)

Connections Online

GECO Home

Georgia Environmental Connections Online ("GECO") is an online Georgia Environmental Protection Branch applications.

You have access to work on the following facilities:

Facility Name	AIRS Number	User Admin	Permit Fees	Emissions Inventory	Emissions Statement
Durango-Georgia Paper Company	039-00001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ford Motor Co	121-00364	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

[Request access to a facility](#)

GECO News and Events

Returning users with EI access – Facilities will be listed and the EI box checked. Click on “Facility Name” to access the EI application.

New Users – Request access to your facility using the hyper link on the home page.



ACCESS TO YOUR FACILITY (2)

GECO Facility Access Request

To begin, find the facility by AIRS number or name and select the type of access requested.

By AIRS Number

By Facility Name

GECO Access Type Requested *(Select all that apply.)*

- ☒ Facility Access
- ☐ Permit Fees
- ☒ Emissions Inventory
- ☐ Emissions Statement

This facility has the following admin users. Please contact them directly to request access or use the form below to send an automated message.

- Jing Wang
- Emily Phillips
- Maria Geonczy

☒ If these admin users are unavailable or need EPD assistance or approval from the Air Protection Branch, check this box.

All access requests sent to the Air Protection Branch must be reviewed and approved.
Please allow at least 24 hours for requests to be processed.

Additional Comments *(Optional; these comments will be attached to the message.)*

Request EI access

Check box if admin users are
unavailable or need EPD assistance



APPLICATION STATUS MENU

Current facility:
Durango-Georgia Paper Company, St. Marys
AIRS Number: 039-00001

[Switch facility](#) [Facility home](#)

[Home](#) [Facility Info](#) [User Access](#) [Communication Preferences](#)

Facility Home

GECO Applications	Current Status
Permits & Application Fees	0 open permit applications.
Annual/Emissions Fees	In Progress - Please Complete the Fees for 2019 on July 28, 2020. <i>Due: September 1, 2020</i>
Fees Summary	
Emissions Inventory	Enrolled in 2022 EI. <i>Due: June 30, 2023</i>
Test Notifications	No pending test notifications.

Main Emission Inventory Contact can be changed within application or here.

Managing user access for facility admins.

Access 2022 EI Application here



EI HOME PAGE

Emissions Inventory

EI Home Historical Data

Facilities whose potential emissions equal or exceed the thresholds indicated in the Air Emission Reporting Requirements (AERR) rule (40 CFR Part 51 Subpart A) must report their actual emissions annually or triennially. For assistance with calculating PTE, please use the [Potential to Emit Guidelines](#). Since the 2019 Emissions Inventory, Georgia has used the *Combined Air Emissions Reporting System* (CAERS) developed by U.S. EPA to comply with the AERR.

Starting in 2023, the new Emissions Inventory process will be as follows. Based on previously available information, the Georgia Air Protection Branch will enroll facilities that may need to participate in the Emissions Inventory. **(If your facility has not been enrolled, but you believe it should be participating in the EI, please email emissions.inventory@dnr.ga.gov.)**

The next steps apply to all enrolled facilities:

1. Review the basic [Facility Information](#) below and if there is any mistake, please let EPD know and we will verify the updates.
2. Update/verify the [CAERS Users](#) below. Please ensure [all other contact information](#) is correct.

For users new to CDX and CAERS, please be aware of the following roles:

- a. A **preparer** is authorized to prepare an emissions report for Emissions Inventory (EI) and/or Toxics Release Inventory (TRI) data for a given facility. You may be a consultant or a staff person for the company owning the facility.
- b. A **certifier** is authorized to sign the emissions report on behalf of the facility to meet your legal obligation for reporting to your State, Local, or Tribal authority (SLT). There can only be one certifier per facility.

Note: A certifier is only needed to complete the opt-out process. However, a designated preparer may fill out the opt-out form but must notify the designated certifier to finalize the opt-out status.

3. The opt-in/opt-out process will continue at EPA's Central Data Exchange (CDX). Click the green button below to start. Note that CAERS is not opening until February 6, 2023.

CDX is used to access CAERS. Once in CAERS, select your facility, then click on the "Create New Report" button for the 2022 EI Report. Prompts will help determine whether your facility will opt in or opt out.

If you are new to CAERS, you can click on [GECO EI/CAERS Troubleshooting Matrix](#) to help you determine how to get started in CAERS.

4. If your facility qualifies to opt out, please download the [Opt-out form](#) to start your 2022 EI reporting. Upload the completed form to CAERS.

If new to CDX/CAERS, the preparer(s) and certifier you have specified should follow this procedure:

- a. Register in CDX using the link to EPA's CDX above and set up CAERS in CDX.
- b. Await email approval from CDX that their CAERS account is linked to the correct facilities.
- c. Once approved, select facility, then click on the "Create New Report" button for the 2022 Report.

[Link to EPA CDX](#)

Facility Information

If any facility information is incorrect, please email emissions.inventory@dnr.ga.gov.

Description Kraft Pulp Mill



EI HOME PAGE

Emissions Inventory

EI Home

Historical Data

Historical Emission Inventory Data – data up to 2018 available on the GECHO website. EI data from 2019 to present will be available in CAERS.

Facilities whose potential emissions equal or exceed the thresholds indicated in the Air Emission Reporting Requirements (AERR) rule (40 CFR Part 51 Subpart A) must report their actual emissions annually or triennially. For assistance with calculating PTE, please use the [Potential to Emit Guidelines](#). Since the 2019 Emissions Inventory, Georgia has used the *Combined Air Emissions Reporting System* (CAERS) developed by U.S. EPA to comply with the AERR.

Step 1: Review facility information.
Email EPD if there is a mistake.

Starting in 2023, the new Emissions Inventory process will be as follows. Based on previously available information, the following facilities that may need to participate in the Emissions Inventory. **(If your facility has not been enrolled, but you believe it should be participating in the EI, please email emissions.inventory@dnr.ga.gov.)**

Step 2: Verify or add your preparer(s) and certifier information.

The next steps apply to all enrolled facilities:

1. Review the basic [Facility Information](#) below and if there is any mistake, please let EPD know and we will verify the updates.
2. Update/verify the [CAERS Users](#) below. Please ensure [all other contact information](#) is correct.

For users new to CDX and CAERS, please be aware of the following roles:

- a. A **preparer** is authorized to prepare an emissions inventory (EI) data for a given facility.

Step 3: Verify any other contact information.



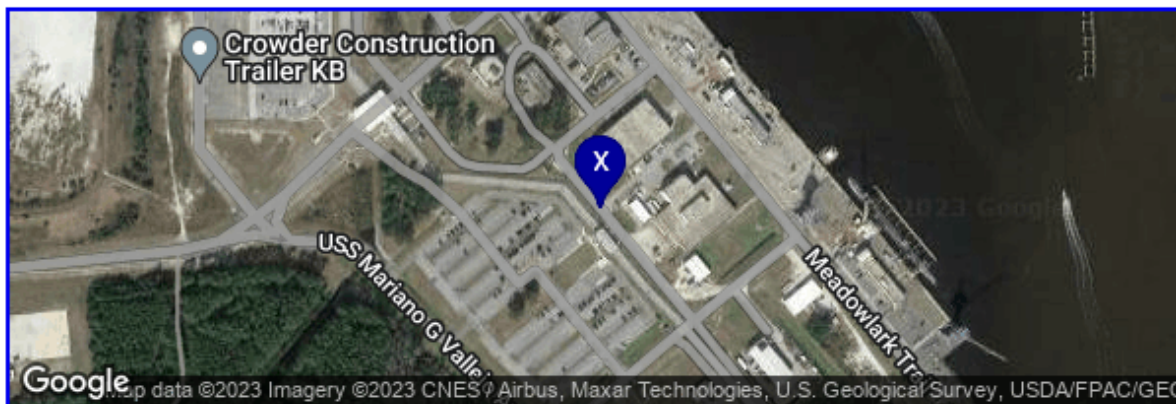
FACILITY INFORMATION

Step 1: Review facility information

Facility Information

If any facility information is incorrect, please email emissions.inventory@dnr.ga.gov.

Description Kraft Pulp Mill
Status Operating as reported in 2020
* Operating status pertains only to the last Emissions Inventory reported
NAICS Code 111110 - Soybean Farming
Site Address 4244 International Parkway Suite 120-test
ATLANTA, GA 30354
Geocoordinates 30.805990, -81.524999



[Open map in new window](#)

CAERS Users

Use of CAERS requires one certifier and one or more preparers. If a single person serves



Please contact us for any facility information discrepancy.



EI CONTACT INFORMATION – CAERS

CAERS Users

Use of CAERS requires one certifier and one or as both.

Current CAERS Users

None.

[Edit CAERS Users](#)

Step 2: Verify or add your preparer(s) and certifier information. Note that you can change users at any time.

Click to save and continue.

[← Back to EI Home](#)

CAERS Users

Use of CAERS requires only one certifier and at least one preparer (multiple preparers are permitted). If a single person serves both roles, they must be added as both.

A certifier has not been added. Use of CAERS requires one certifier.

A preparer has not been added. Use of CAERS requires at least one preparer.

Add New User

CAERS Role ☐ Preparer ☐ Certifier ☒ Both

Honorific

First Name

Last Name

Title

Company

Mailing Address

City

State

Postal Code

Phone Number

Email

[Save](#)

If a single person serves both roles, they must be added as preparer and certifier.

Current CAERS Users

None.



EI CONTACT INFORMATION – CAERS

[← Back to EI Home](#)

CAERS Users

Use of CAERS requires only one certifier and at least one preparer (multiple preparers are permitted). If a single person serves both roles, they must be added as both.

Current CAERS Users

Role	User	Address	Email	Phone	Controls
Certifier	Ms Maria Geonczy	4244 International Pkwy Suite 120 Atlanta, GA 30354	emissions.inventory@dnr.ga.gov		Edit Delete
Preparer	Ms Maria Geonczy	4244 International Pkwy Suite 120 Atlanta, GA 30354	emissions.inventory@dnr.ga.gov		Edit Delete

[Add New CAERS User](#)

Add additional preparers.

Modify current users.



EI CONTACT INFORMATION – OTHER

Starting in 2023, the new Emissions Inventory process will be as follows. Based on previously available information, the Georgia Air Protection Branch will enroll facilities that may need to participate in the Emissions Inventory. **facility has not been enrolled, but you believe it should be participating in the EI, please email emissions.inventory@dnr.ga.gov.**

The next steps apply to all enrolled facilities:

1. Review the basic [Facility Information](#) below and if there is any mistake, please let EPD know and request updates.
2. Update/verify the [CAERS Users](#) below. Please ensure [all other contact information](#) is correct.

For users new to CDX and CAERS, please be aware of the following roles:

- a. A **preparer** is authorized to prepare an emissions report.

Step 3: Verify any other contact information.

Current facility:
Durango-Georgia Paper Company, St. Marys
AIRS Number: 039-00001

Switch facility

Home

Facility Info

User Access

Communication Preferences

Communication Preferences / Edit

Set your preferences for receiving communications from the Georgia Environmental Protection Division. Preferences can be set separately for each type of communication.

Permit Fees

Permit Applications

Emissions Inventory

Emissions Statement

Testing and Monitoring

Edit Preferences for *Emissions Inventory*

Primary Contact

Salutation	<input type="text" value="Mrs"/>	("Ms.", "Dr.", etc.)
First Name	<input type="text" value="Jing"/>	
Last Name	<input type="text" value="Wang"/>	required
Title	<input type="text" value="Engineer"/>	
Organization	<input type="text"/>	
Street Address	<input type="text" value="4244 International Parkway Suite 120"/>	required
Apt / Suite / Other	<input type="text"/>	
City	<input type="text" value="ATLANTA"/>	required
State	<input type="text" value="GA"/>	required
Postal Code	<input type="text" value="30354"/>	required
Telephone Number	<input type="text" value="404-3636134"/>	required
Primary Contact Email	<input type="text" value="jing.wang@dnr.ga.gov"/>	required

Save Contact Info



EI HOME PAGE – OPT-OUT FORM

If you are new to CAERS, you can click on [GECO EI/CAERS Troubleshooting Matrix](#) to help you determine how to get started in CAERS.

4. If your facility qualifies to opt out, please download the [Opt-out form](#) to start your 2022 EI reporting. Upload the completed form to CAERS.

If new to CDX/CAERS, the preparer(s) and certifier you have specified should follow this procedure:

- Register in CDX using the link to EPA's CDX above and set up CAERS in CDX.
- Await email approval from CDX that their CAERS account is linked to the correct facilities.
- Once approved, select facility, then click on the "Create New Report" button for the 2022 Report.

[Link to EPA CDX](#)

Facility Information

If any facility information is incorrect, please email [environmental@ga.gov](#) to get it corrected.

Description	Kraft Pulp Mill
-------------	-----------------

Operating Title V facilities that do not qualify to participate in the annual EI must download Opt-Out form



OPT-OUT FORM (1)

2022 Georgia Point Source Emission Inventory (EI) Opt-Out Form

Form instructions:

Light yellow cells indicate a drop-down list.

All cells are required fields unless specified otherwise. Fields with an asterisk (*) are only required during a triennial year.

Upon completion, please upload this form into the Combined Air Emissions Reporting System (CAERS) as required for certification.

If additional information needs to be provided, here are three acceptable methods:

- (1) Enter notes under the "Opt-out Justification" table.
- (2) Add notes on an added tab within this spreadsheet and indicate in the "Facility Response" where the additional notes are located.
- (3) Upload any additional document to supplement what you enter below and indicate in the "Facility Response" column.

Light yellow cells are drop-down lists.



Facility Information

Triennial/Annual EI Year?

AIRS Number:

Facility Name:

Opt-Out Justification

- Please enter Potential to Emit (PTE) emissions below.
- Next, select PTE emissions justification.
- Once selected, the next cell will autopopulate and you can provide your response in the "Facility Response" column.

Pollutant	Annual EI Threshold	PTE Emissions	Select PTE emissions justification.	See below:	Facility Response
	(tpy)	(tpy)			
VOC	250	(Select)	Select PTE emissions justification	<p>Example facility response: Provide TV Permit # and limit condition: 2631-039-0001-V-05-1 permit condition 3.2.4 Provide Title V application #: TV-45678</p>	
SO2	2500	(Select)	Select PTE emissions justification		
NOx	2500	(Select)	Select PTE emissions justification		
CO	2500	(Select)	Select PTE emissions justification		
Pb*	n/a	n/a	Pb not required during Annual EI Year.		
PM10	250	(Select)	Select PTE emissions justification		
PM2.5	250	(Select)	Select PTE emissions justification		
NH3	250	(Select)	Select PTE emissions justification		

Permanently/Temporarily shutdown facilities will not submit an opt out form

Guidelines

Opt Out Form





OPT-OUT FORM (2)

Annual PTE Thresholds

Opt-Out Justification

Please enter Potential to Emit (PTE) emissions below.

Next, select PTE emissions justification.

• Once selected, the next cell will autopopulate and you can provide your response accordingly in the PTE justification.

Pollutant	Annual EI Threshold (tpy)	PTE Emissions (tpy)	Select PTE emissions justification.
VOC	250		(Select)
SO2	2500		(Select)
NOx	2500		(Select)
CO	2500		(Select)
Pb*	n/a	n/a	Pb not required during Annual EI Year.
PM10	250		(Select)
PM2.5	250		(Select)
NH3	250		(Select)

- **Opting out for the first time:** use PTE emissions from permit that correspond to the EI calendar year
- **Previously opted out:** Review previously submitted PTE emissions and update (as needed)

Sources to determine PTE:

- Permit and/or permit narrative
- Initial or renewal Title V applications
- PTE Guidelines

(See [GA EI webpage](#) for links)

Guidelines

Opt Out Form





OPT-OUT FORM (3)

Opt-Out Justification	
• Please enter Potential Emissions (PTE) emissions below.	
• Next, select PTE emissions justification.	
• Once selected, the form will auto-populate and you can provide your response accordingly in the "Facility Response" section.	
Pollutant	Annual EI Threshold (tpy)
VOC	
SO2	
NOx	
CO	
Pb*	
PM10	
PM2.5	
NH3	

Select PTE emissions justification.	
(Select)	Select PTE emissions justification
(Select)	Select PTE emissions justification
(Select)	Select PTE emissions justification
(Select)	Select PTE emissions justification
Pb not required during Annual EI Year.	No response required.
(Select)	Select PTE emissions justification
(Select)	Select PTE emissions justification
(Select)	Select PTE emissions justification



Select PTE emissions justification:

- Permit limit condition
- PTE from TV application
- Pollutant not emitted
- Lead (Pb) is not a determining pollutant for an annual EI year so no response required



OPT-OUT FORM (4)

Opt-Out Justification

- Please enter Potential to Emit
- Next, select PTE emissions justification
- Once selected, the next cell will respond accordingly in the "Facility Response" column.

NEW

Pollutant	Annual EI Threshold (tpy)	PTE Emissions (tpy)	Facility Response
VOC	2500	Select PTE emissions justification	Example facility response: Provide TV Permit # and limit condition: 2631-039-0001-V-05-1 permit condition 3.2.4 Provide Title V application #: TV-45678
SO2	2500	Select PTE emissions justification	
NOx	2500	Select PTE emissions justification	
CO	2500	Select PTE emissions justification	
Pb*	n/a	Select PTE emissions justification	n/a
PM10	2500	Select PTE emissions justification	
PM2.5	2500	Select PTE emissions justification	
NH3	2500	Select PTE emissions justification	

Provide the following as indicated:

- Permit condition
- TV permit application

Any additional information can be provided below table, on another tab, or another spreadsheet

Guidelines

There will be a short video of how to fill out an opt-out form.



EI HOME PAGE – LINK TO CDX

If you are new to CAERS, you can click on [GECO EI/CAERS Troubleshooting Matrix](#) to help you determine how to get started in CAERS.

4. If your facility qualifies to opt out, please download the [Opt-out form](#) to start your 2022 EI reporting. Upload the completed form to CAERS.

If new to CDX/CAERS, the preparer(s) and certifier you have specified should follow this procedure:

- a. Register in CDX using the link to EPA's CDX above and set up CAERS in CDX.
- b. Await email approval from CDX that their CAERS account is linked to the correct facilities.
- c. Once approved, select facility, then click on the "Create New Report" button for the 2022 Report.

Link to EPA CDX

Facility Information

If any facility information is incorrect, please email emissions.inventory@dnr.ga.gov.

Description

Click here to be directed to CDX to access participation prompts in CAERS.



LINK TO CDX LOG IN

https://cdx.epa.gov

EPA United States Environmental Protection Agency

[Home](#) [About](#) [Recent Announcements](#) [Terms and Conditions](#) [FAQ](#) [Help](#)

CDX Central Data Exchange [Contact Us](#)

Log in to CDX

User ID

Password

☐ Show Password

[Log In](#) [Register with CDX](#)

[Forgot your Password?](#)
[Forgot your User ID?](#)
[Warning Notice and Privacy Policy](#)

Welcome

Welcome to the Environmental Protection Agency (EPA) Central Data Exchange (CDX) - the Agency's electronic reporting site. The Central Data Exchange concept has been defined as a central point which supplements EPA reporting systems by performing new and existing functions for receiving legally acceptable data in various formats, including consolidated and integrated data.

- CAERS opened on **February 6th**
- Emails were sent on February 2nd announcing that CAERS is open for 2022 EI data

Register/Update CAERS contact information



NEW CAERS FEATURES



NEW OPT-OUT PROCESS IN CAERS

Answering “No” to the first question will be directed to certify your report with no opt-out form needed.

Answering “Yes” to the second question will send you to the opt-out form that requires an attached opt-out form found through GECHO.

Emission Reporting Opt-In

The questions below will help you determine your level of participation in the 2022 Emissions Inventory Year reporting.

Was this facility operating in 2022?

☒ Yes. The facility was operating during some or all of 2022.

☐ No. The facility did not operate at all during 2022, but is operating now or will operate again in the future, and is thus temporarily shutdown.

☐ No. The facility did not operate at all during 2022, will not operate again, and is thus permanently shutdown.

Note: If the facility has never operated and is currently in construction, you do not need to submit an EI. If you have received an EI email notification, please contact emissions.inventory@dnr.ga.gov to be removed from the 2022 EI email list. You should also delete the facility from your "My Facilities" page.

Facility Emissions Thresholds

Note that the thresholds below pertain to potential emissions, except for lead. The threshold for lead (Pb) is based on actual emissions.

Pollutant	Threshold (tpy)
VOC	250
SOx	2500
NOx	2500
CO	2500
PM10-PR1	250
PM25-PR1	250
NH3	250

Is the facility below ALL of the thresholds listed?

☐ Yes

☐ No

Cancel

Proceed



NEW NAICS CODES

- For inventory year 2022, NAICS codes are being updated. This is part of the regular 5-year updates of NAICS codes.
- If you have an outdated NAICS, the system will indicate this to you.
- Georgia does not allow facilities to edit NAICS in GECO. If your facility has an outdated or incorrect NAICS, please reach out via emissions.inventory@dnr.ga.gov so we can make the correction before you certify and submit.



CAERS OPT-OUT/IN WALKTHROUGH



CAERS – OPT OUT



Facilities that never operated or currently in construction, do not need to submit an EI

Emission Reporting Opt-In

The questions below will help you determine your level of participation in the 2022 Emissions Inventory Year reporting.

Was this facility operating in 2022?

- ☒ Yes. The facility was **operating** during some or all of 2022.
- ☐ No. The facility did not operate at all during 2022, but is operating now or will operate again in the future, and is thus **temporarily shutdown**.
- ☐ No. The facility did not operate at all during 2022, will not operate again, and is thus **permanently shutdown**.

Note: If the facility has never operated and is currently in construction, you do not need to submit an EI. If you have received an EI email notification, please contact emissions.inventory@dnr.ga.gov to be removed from the 2022 EI email list. You should also delete the facility from your "My Facilities" page.

Opt-out scenarios

- Operating but under thresholds
- Temporarily/ Permanently Shutdown all of 2022

Facility Emissions Thresholds

Note that the thresholds below pertain to *potential emissions*, except for lead. The threshold for lead (Pb) is based on actual emissions.

Pollutant	Threshold (tpy)
VOC	250
SOx	2500
NOx	2500
CO	2500
PM10-PRI	250
PM25-PRI	250
NH3	250

Statement that explains your selection and next steps.

Is the facility below ALL of the thresholds listed?

- ☒ Yes
- ☐ No

This facility will be "Operating" below the AERR thresholds for the 2022 inventory year and will not submit an emissions Inventory Report this year. You will now be redirected to the submission screen where you must provide your PTE analysis and certify your report.

Cancel

Proceed



CAERS – OPT OUT

[My Facilities](#) > [Emissions Reports](#) > 2022 Emissions Report

[⚠ CBI Disclaimer](#) [CAERS Help](#) [Contact CDX](#)

Agency ID: 999999999
GADNR FAKE: CAER Test Facility
538 Cajundome Blvd
Lafayette, GA 70506
2022 Emissions Report
Agency: GADNR

Report Summary

Report History

Report Facility & Emissions Information

Perform Quality Checks

Submit to SLT Authority

Approved by SLT Authority

Report Summary

Pollutant	Type	Fugitive Amount	Stack Amount	Units of Measure	2022 Reported Emissions	Previous Year Reported Emissions	Previous Submittal Year
Total Emissions (Tons)	--	--	--	--	0	0	--

Download Report Summary

Download Process Emissions Summary

Attach opt-out form and any other proof of PTE documentation (excel files only).

Preparer/NEI Certifier Attachments

Date	Role	User Name	Comments	Attachments
------	------	-----------	----------	-------------

Attach Report Document

Attach PTE analysis before you can certify your opt-out status.

You must attach your Potential to Emit (PTE) analysis before you can certify and submit.

Certify and Submit to SLT



CAERS – OPT IN

Combined Air Emissions Reporting System

Emission Reporting Opt-In

The questions below will help you determine your level of participation in the 2022 Emissions Inventory Year reporting.

Was this facility operating in 2022?

☒ Yes. The facility was **operating** during some or all of 2022.

☐ No. The facility did not operate at all during 2022, but is operating now or will operate again in the future, and is thus **temporarily shutdown**.

☐ No. The facility did not operate at all during 2022, will not operate again, and is thus **permanently shutdown**.

Note: If the facility has never operated and is currently in construction, you do not need to submit an EI. If you have received an EI email notification, please contact emissions.inventory@dnr.ga.gov to be removed from the 2022 EI email list. You should also delete the facility from your "My Facilities" page.

Facility Emissions Thresholds

Note that the thresholds below pertain to *potential emissions*, except for lead. The threshold for lead (Pb) is based on actual emissions.

Pollutant	Threshold (tpy)
VOC	250
SOx	2500
NOx	2500
CO	2500
PM10-PRI	250
PM25-PRI	250
NH3	250

Is the facility below ALL of the thresholds listed?

☐ Yes

☒ No

Cancel Proceed

Submit to begin 2022 EI.



GEORGIA INTERNAL QA CHECKS



GEORGIA INTERNAL QA CHECKS (1)

- **Opt out status review**
 - Verify shut-down status (no form required)
 - Review opt out form for operating and below AERR annual thresholds
- **Control units**
 - Applicable permit and previous CAERS entry
- **Quality Check Run Results: Warning review**
- **Co-located facilities**
 - Each co-located facility must report if collectively PTE thresholds are exceeded



GEORGIA INTERNAL QA CHECKS (2)

- **Emissions Data**

- Facility-wide CAP pollutants totals ≥ 100 tpy
 - Calculations for process level emissions data are checked for correctness and reproducibility
- Facility-wide CAP pollutants totals increase/decrease of $>20\%$ from previous year
 - Reasons that the total emissions are increased or decreased $> 20\%$
- PM_{2.5} check for facilities in the following counties: Bibb, Chatham, Clarke, Dougherty, Fulton, Glynn, Hall, Houston, Lowndes, Muscogee, Richmond, Washington and Dade, Walker, and Catoosa (counties near Chattanooga)
- Lead (Pb) – If Pb is emitted, it must still be reported annually

- **Possible HAPs QA checks if reported**

- Total HAPs emissions increased or decreased $>10\%$
- The reason for such difference of total HAPs



HAPS GUIDANCE UPDATES



HAPS PILOT PROGRAM

- Georgia EPD is in the stakeholder process about planning to recommend the Board of Natural Resources to adopt regulations requiring HAPs reporting in the future.
- The 2023 HAP pilot program is currently recruiting. Participating in the pilot program will allow input into implementation and guidance process, including reporting thresholds and exemptions.
- If your facility has HAPs emissions and is interested in knowing more, send an email to emily.phillips@dnr.ga.gov with “HAPs Pilot Program” as the subject.
- We are continuing to encourage facilities to voluntarily report HAPs in CAERS. Benefits of reporting HAPs include:
 - Regular HAP-focused help sessions for facilities that want to voluntarily report.
 - HAPs data reported to CAERS could be used to pre-populate Toxics Release Inventory (TRI) air toxics emissions



HAPS GUIDANCE

HAPs can be reported in CAERS just like CAPS.

Emissions Associated with this Process			
Pollutant Name	Code	CAS ID	
Acrolein	107028	107-02-8	
Aniline	62533	62-53-3	
Benzene	71432	71-43-2	
Carbon Disulfide	75150	75-15-0	
PM Condensable	PM-CON		
PM10 Filterable	PM10-FIL		
PM2.5 Filterable	PM25-FIL		
Phenol	108952	108-95-2	
Styrene	100425	100-42-5	
Toluene	108883	108-88-3	
Volatile Organic Compounds	VOC		

? Pollutant:* sty

? Pollutant Name: Styrene - 100425 - 100-42-5
? Pollutant Code:

? Calculation Method:* Styrene Oxide - 96093 - 96-09-3
CAS ID:

? Emission Factor:*

? Emission Factor Description:*

? Emission Factor Numerator UoM:

? Emission Factor Denominator UoM:

? Overall Control %:

? Total Emissions:*

? Emissions UoM:*

☐ I prefer to calculate the total emissions of this pollutant.



HAPS GUIDANCE

When a VOC or PM HAP is reported, it **should also** be included in the corresponding CAP total. Total HAP cannot not exceed CAP total.

Pollutant	Type	Fugitive Amount	Stack Amount	Units of Measure	2021 Reported Emissions	Previous Year Reported Emissions	Previous Submittal Year
1,3-Butadiene	HAP	0	0.01777006	Tons	0.01777006	None Reported	
Arsenic	HAP	0	0.00000935	Tons	0.00000935	None Reported	
Carbon Monoxide	CAP	0	3.92528	Tons	3.92528	None Reported	
Chromium	HAP	0	0.00006542	Tons	0.00006542	None Reported	
Dibenzofuran	HAP	0	0.00041084	Tons	0.00041084	None Reported	
Ethyl Benzene	HAP	0	0.13070006	Tons	0.13070006	None Reported	
Hexane	HAP	0	0.8813095	Tons	0.8813095	None Reported	
Lead	CAP	0	0.00002336	Tons	0.00002336	None Reported	
Mercury	HAP	0	0.00001215	Tons	0.00001215	None Reported	
Naphthalene	HAP	0	0.03418941	Tons	0.03418941	None Reported	
Nitrogen Oxides	CAP	0	4.67295	Tons	4.67295	None Reported	
o-Xylene	HAP	0	0.51058746	Tons	0.51058746	None Reported	
Phenol	HAP	0	0.03654564	Tons	0.03654564	None Reported	
PM Condensable	CAP	0	0.91266219	Tons	0.91266219	None Reported	
PM10 Filterable	CAP	0	1.02334769	Tons	1.02334769	None Reported	
PM2.5 Filterable	CAP	0	0.64630429	Tons	0.64630429	None Reported	
Styrene	HAP	0	2.26455793	Tons	2.26455793	None Reported	
Sulfur Dioxide	CAP	0	0.0280377	Tons	0.0280377	None Reported	
Toluene	HAP	0	0.61990904	Tons	0.61990904	None Reported	
Volatile Organic Compounds	CAP	0	57.940939	Tons	57.940939	None Reported	
Total Emissions (Tons)	--	--	--	--	73.64561109	0	--

VOC HAP
PM HAP

Total PM →

Total VOC →

Total VOC (57.94 tons) ≥ Total HAP VOC (4.50 tons) ✓
Total PM10 (1.02 tons) ≥ Total PM HAP (0.00017 tons) ✓

Note: HAP emissions should match what is reported to TRI.



LESSONS LEARNED FROM 2021EI



LESSONS LEARNED FROM 2021 EI

- **Errors**

- Fuel usage value
 - If process has same unit between the throughput and fuel usage, the value should be same.
- Process or Unit is operating but no emissions reported
 - If process or unit is operating, reporting detail including emissions need be reported
- Heat content
 - Check CAERS User Guide Appendix C.1 for units and referring values

- **Triennial Emissions data**

- EPA released triennial 2020 EI data this Feb.
- Any reported emissions over annual Threshold, facility need opt-in Annual cycle
- If lead is over 0.5 TPY in triennial cycle, lead emissions need be added to EI.



REVIEW OF HOW TO CORRECT CONTROLS ERROR & WARNING

Controls are added to a device through the process page.

▼Emissions Inventory

▼ Units 1-25

▶ 0008

▼ 0401

RBH1 ◀

▶ 1007

▶ 120-5

▶ CB04

▶ CB05

▶ CB06

▶ CB08

▶ CB09



▶ CB10

▶ CB11

▶ EU0160

1. Processes can be found through the “Emissions Inventory” menu on the left-hand side under the control device listed.

Release Points Associated with this Process

Release Point	Release Type	Control Path	%		
RBH1	Vertical	TestPath	100%		
Total % Apportionment of Emissions			100%		

2. Find the “Release Points Associated” section and select the edit button.

Release Point Apportionment

Select a Release Point

RBH1 - RBH1 - #1 Raymond Mill Baghouse

Select a Control Path (optional)

TestPath

? % Release Point Apportionment*

100

Save

Cancel

3. Add control path in the “Release Point Apportionment” menu.



RESOURCES AND NEXT STEPS



RESOURCES

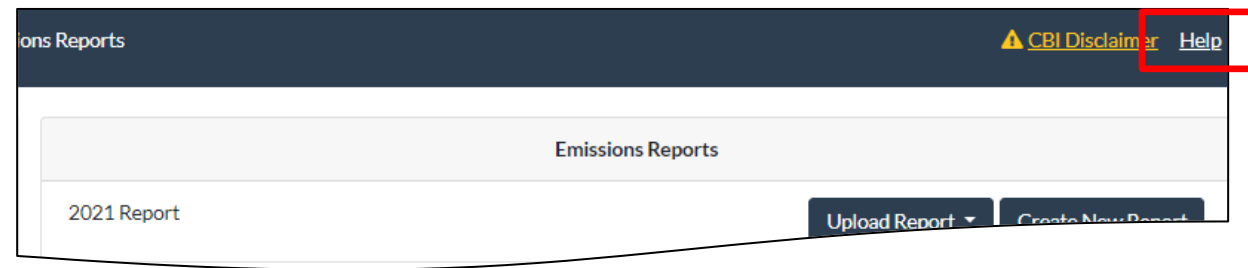
- **GECO EI Application Training PowerPoint and Recording**

<https://epd.georgia.gov/forms-permits/air-protection-branch-forms-permits/air-emissions/submit-emissions-inventory>

- **CAERS User guide**

<https://epd.georgia.gov/forms-permits/air-protection-branch-forms-permits/air-emissions/submit-emissions-inventory>

Can also be accessed from within CAERS



Updated user guide

- **Past EPA CAERS Webinar Recordings**

<https://www.epa.gov/e-enterprise/e-enterprise-combined-air-emissions-reporting-caer>



WHAT'S NEXT?

- **EPA Training (January and February 2023)**
 - CAERS EI User Interface
 - CAERS EI Bulk Uploading Template
 - CAERS EI Control Path
- Please visit <https://www.epa.gov/combined-air-emissions-reporting/combined-air-emissions-reporting-system-caers> to view the training recordings.
- **Live Virtual Help Sessions (Every Tuesday/Thursday from April – July)**
- **Georgia EPD will QA the EI data as soon as it is submitted**
- **Georgia EPD might reach out to the QA'd facilities after June 30 or after we QA the EI data about the errors or data verifications**



THANK YOU

Your efforts are very appreciated. You help us reach our goal of obtaining and maintaining an accurate emissions inventory for the state of Georgia. Thank you for your patience, all the work that you do and cooperating with us to achieve this common goal!





QUESTIONS

**Contact us at:
emissions.inventory@dnr.ga.gov**

