WELCOME TO THE 2025 EI TRAINING!

The training will begin in a few minutes…

- **Please keep your video off and voice muted for the duration of the presentation.**
- **If using a phone, please use the phone number listed in the teams meeting**
- **If you have any questions, please write them in the chat box**
- **There will be a Q&A session at the end of the presentation**
- **Use *9 to raise your hand via the phone line**
- **This training will be recorded and posted online. More info covered on Resources slide.**

NOTE: EPD welcome facilities to voluntarily report HAP emissions in addition to the criteria air pollutants.

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

2025 GA Point Source Emission Inventory Kickoff Training

Ruben Gijon-Felix, ECSU Manager
Emily Phillips
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Ama Maiki
Planning & Support Program
Air Protection Branch
Georgia Environmental Protection Division

2025 EI Point Source Emission Reporting Training Webinar

December 10, 2025

TRAINING OUTLINE

- **Regulatory Background**
- **Combined Air Emissions Reporting System**
- **HAPs Guidance Updates**
- **Submittal Walkthrough**
- **Georgia Quality Assurance**
- **Helpful Tips**
- **Resources and Next Steps**

EMISSION INVENTORY REGULATION/APPLICABILITY

EI REGULATORY BASIS

Regulations requiring GA EPD to collect 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

GECO is updated for 2025 EI; CAERS will reopen January 20, 2026. GA EPD requires participating facilities to report data by **May 31, 2026**. **No extensions will be provided after June 15th.**

APPLICABILITY

All Part 70 Major Sources are subject.

- Exceptions include:
  - Permitted but not constructed facilities
  - Facilities with Federally Enforceable Permit Limits (e.g., Synthetic Minor or Major HAP sources)
  - Facilities which were shutdown during the entire calendar year

2025 EI Year is an Annual Year

1. Annual thresholds are higher than triennial Year thresholds
2. Thresholds are PTE-based except for Lead

Annual PTE Thresholds	
Pollutant	(tons per year)
SO_2	≥ 2500
VOC	≥ 250
NOx	≥ 2500
CO	≥ 2500
Pb	N/A
Primary PM_{10}	≥ 250
Primary $PM_{2.5}$	≥ 250
NH_3	≥ 250

WHAT IS CAERS

GA EPD USES CAERS FOR THE PS EI

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
  - SLT's to meet specific air emissions reporting requirements

CAERS USER ROLES

Role	Description	Number per Facility	Create Initial Report	Certify Report
Preparer	Prepares an emissions report for a facility (e.g., consultant, staff person working for the facility).	Multiple	Yes	No
Certifier	Certify the emissions report or opt out of the EI to meet your legal obligation for reporting to your SLT.	Only one	Yes	Yes
Note: An individual preparer or certifier account can be associated with more than one facility.				

HAPS GUIDANCE UPDATES

HAPS PILOT PROGRAM

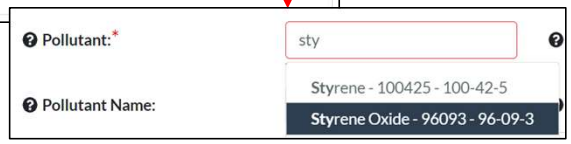
- Georgia EPD has been working on modifying the approach to the planned GA HAPs inventory.
- Until 2026, Georgia will still collect voluntary HAP reporting from facilities.
- The 2025 HAP pilot program will focus on voluntary reporting and feedback about the reporting process and timelines.
- Total toxics air emissions are made available for TRI-MEweb once the facility has certified the report in CAERS.

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 Condensible	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	



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

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
1,3-Butadiene	HAP	0	0.01777006	Tons	0.01777006
Arsenic	HAP	0	0.00000935	Tons	0.00000935
Carbon Monoxide	CAP	0	3.92528	Tons	3.92528
Chromium	HAP	0	0.00006542	Tons	0.00006542
Dibenzofuran	HAP	0	0.00041084	Tons	0.00041084
Ethyl Benzene	HAP	0	0.13070006	Tons	0.13070006
Hexane	HAP	0	0.8813095	Tons	0.8813095
Lead	CAP	0	0.00002336	Tons	0.00002336
Mercury	HAP	0	0.00001215	Tons	0.00001215
Naphthalene	HAP	0	0.03418941	Tons	0.03418941
Nitrogen Oxides	CAP	0	4.67295	Tons	4.67295
o-Xylene	HAP	0	0.51058746	Tons	0.51058746
Phenol	HAP	0	0.03654564	Tons	0.03654564
PM Condensible	CAP	0	0.91266219	Tons	0.91266219
PM10 Filterable	CAP	0	1.02334769	Tons	1.02334769
PM2.5 Filterable	CAP	0	0.64630429	Tons	0.64630429
Styrene	HAP	0	2.26455793	Tons	2.26455793
Sulfur Dioxide	CAP	0	0.0280377	Tons	0.0280377
Toluene	HAP	0	0.61990904	Tons	0.61990904
Volatile Organic Compounds	CAP	0	57.940939	Tons	57.940939
Total Emissions (Tons)	--	--	--	--	**73.64561109**

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) ✓

Important Note: While HAP and CAP emissions are kept separate, overlapping HAP emissions are not. Do not report multiple of the same kind of HAP (e.g. Chromium and Chromium VI)

2025 EI WALKTHROUGH

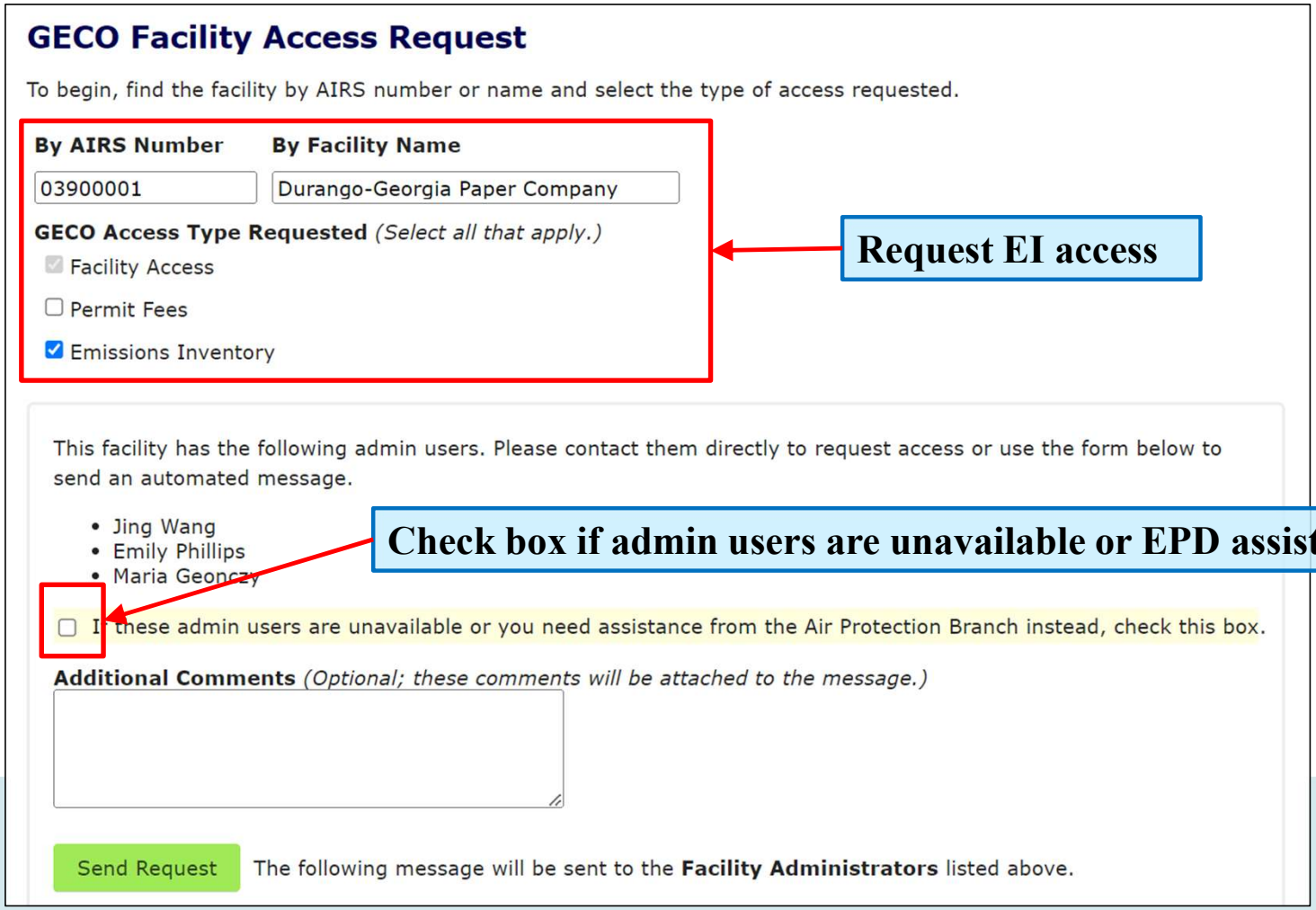
UPDATE FACILITY & CONTACT INFORMATION

DETERMINE PARTICIPATION STATUS (OPT OUT/OPT IN)

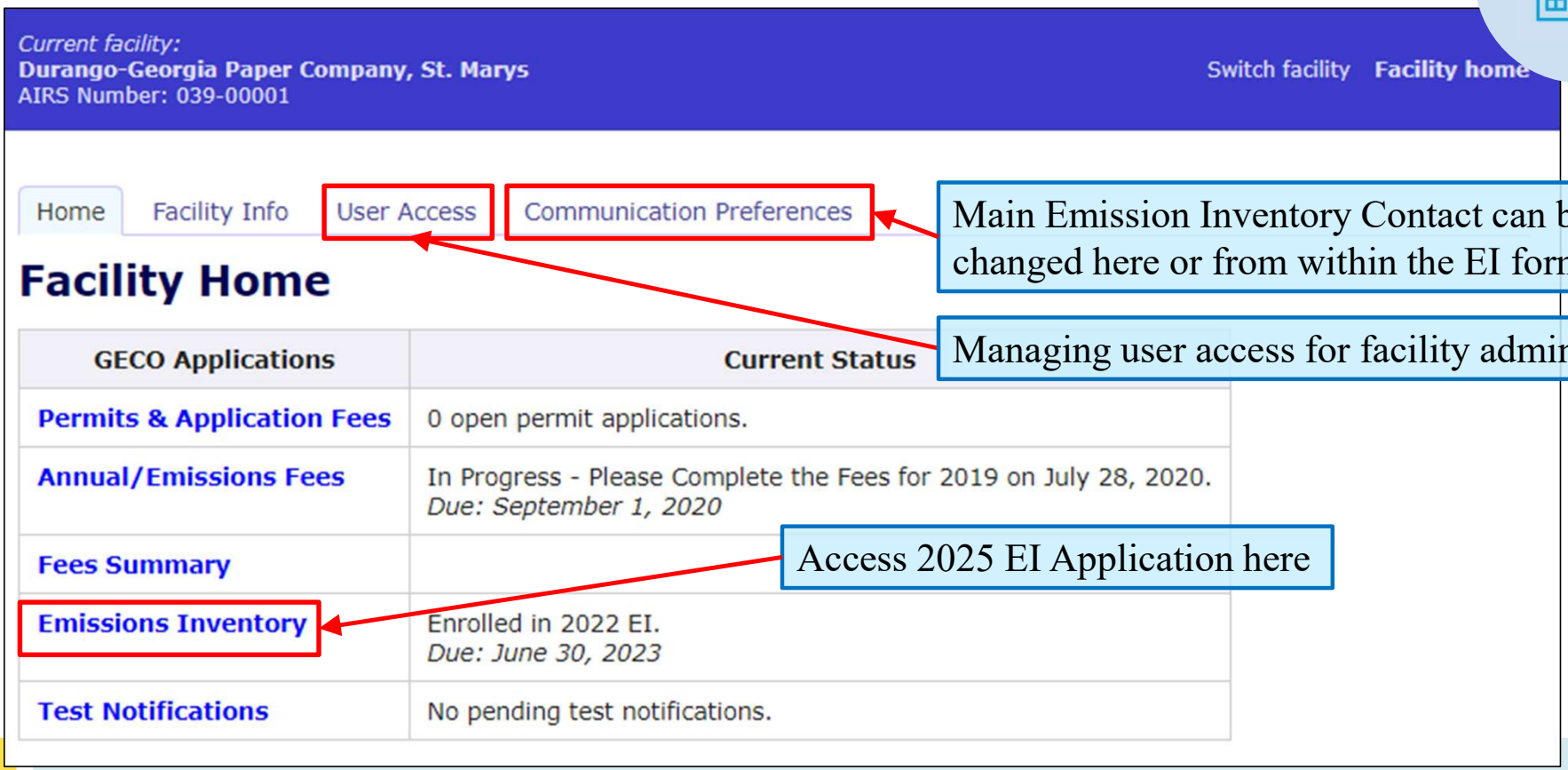
SUBMIT 2025 EI & CERTIFY

STEP 1: ACCESS YOUR FACILITY IN GECO

GECO FACILITY ACCESS REQUEST



APPLICATION STATUS MENU



STEP 2: REVIEW FACILITY INFORMATION

Emissions Inventory

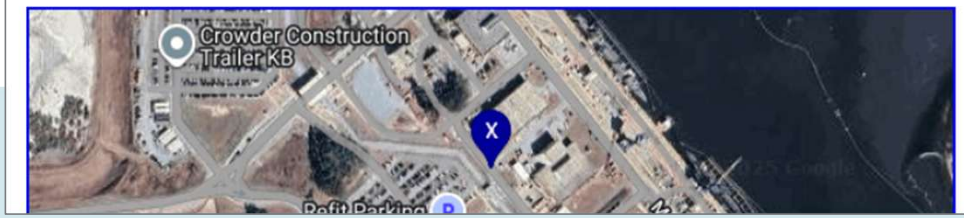
EI Home | Historical Data

For more information on how to submit your Emissions Inventory, visit https://epd.georgia.gov/forms-permits/air-protection-branch-forms-permits/point-source-emissions-inventory.

1. Facility Information

Review the facility information below and if there is any mistake, please email: emissions.inventory@dnr.ga.gov.

Description	Kraft Pulp Mill
Operating 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
Horizontal Accuracy Measure (m)	25
Horizontal Collection Method	zip code 5-digit-centroid
Horizontal Reference Datum	North American Datum of 1983



Please contact us for any facility information discrepancy.

Please verify coordinate system

STEP 3: UPDATE EI CONTACT INFORMATION

2. CAERS Users

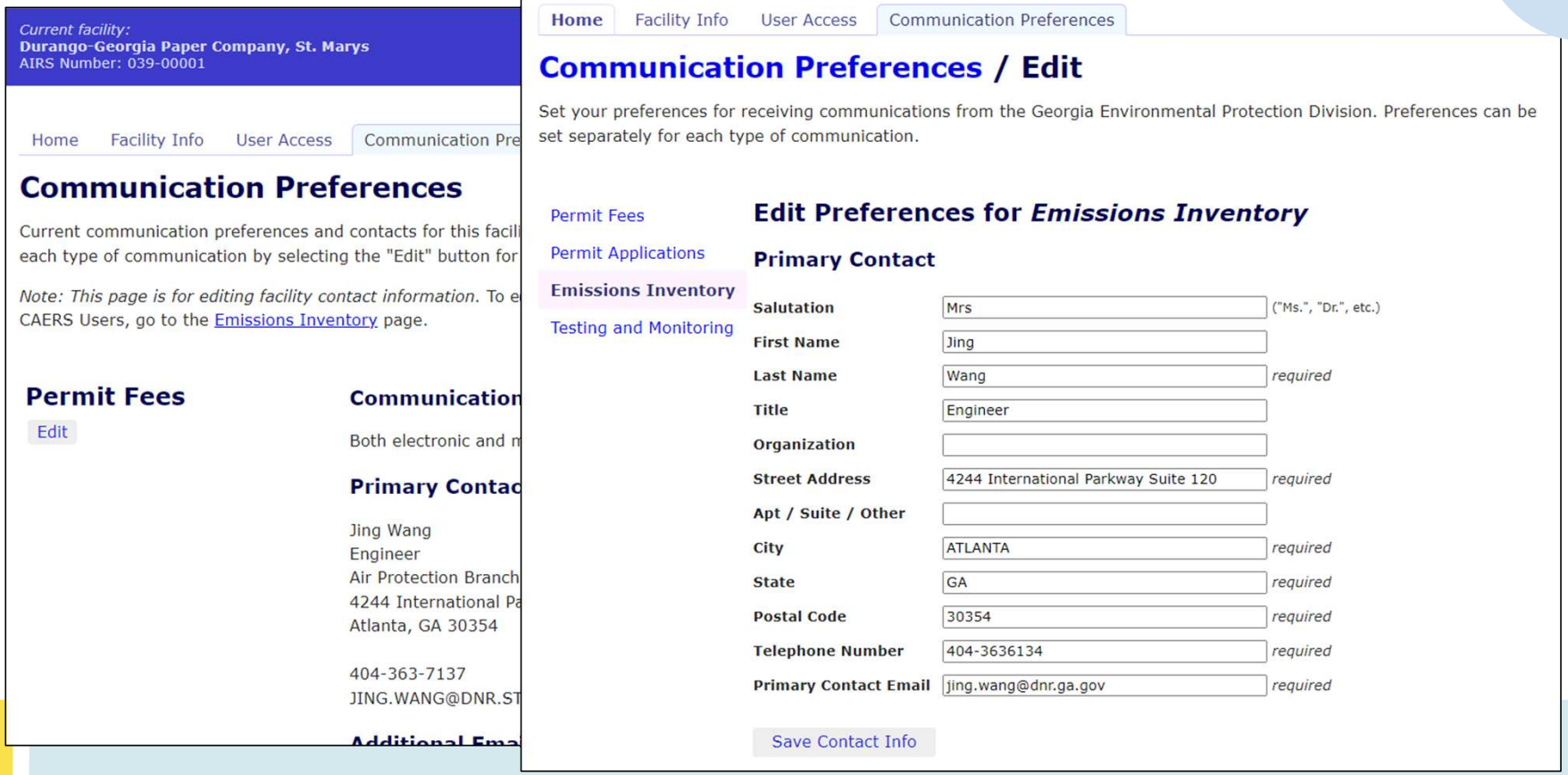
Please ensure all contact information is correct in communication preferences before proceeding to update CAERS contact information.

Next add and update CAERS users below. Use of CAERS requires one certifier and one or more preparers. If a single person serves both roles, they must be added as both.

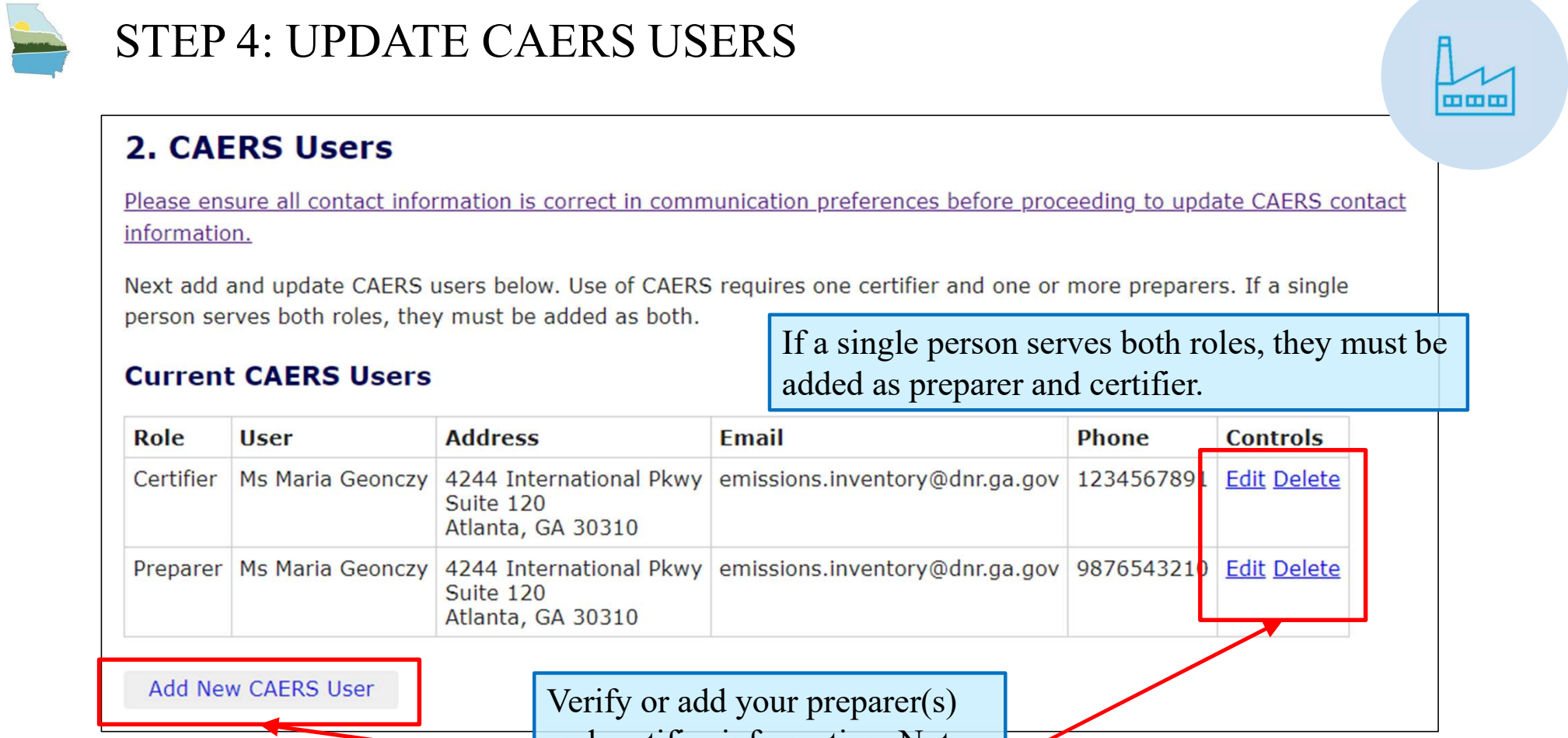
Current CAERS Users

Role	User	Address	Email	Phone	Controls
Certifier	Ms Maria Geospzy	4244 International Pkwy	emissions.inventory@dnr.ga.gov	1234567891	Edit Delete

STEP 3: UPDATE GECO EI CONTACT INFORMATION



STEP 4: UPDATE CAERS USERS



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Next add and update CAERS users below. Use of CAERS requires one certifier and one or more preparers. 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 30310	emissions.inventory@dnr.ga.gov	1234567891	Edit Delete
Preparer	Ms Maria Geonczy	4244 International Pkwy Suite 120 Atlanta, GA 30310	emissions.inventory@dnr.ga.gov	9876543210	Edit Delete

Add New CAERS User

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

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

STEP 5: SUBMIT 2024 EI/ OPT-OUT DETERMINATION

Title V facilities will receive one of two emails indicating their status on January 5, 2026.

3. Submit EI

All facilities that need to opt out or submit 2024 Emissions Inventory data will receive one of two emails during the first week of January 2025. The email will indicate whether the facility likely qualifies to opt out, or is required to opt in to report their 2024 EI.

For Opt-out facilities:

- If the facility agrees with the opt-out determination listed in the rollout email, you can convert the email to PDF and upload to CAERS as the PTE analysis attachment.
- If corrections need to be made for an opt-out or opt-in facility, please download the Opt-out form to make any changes. Upload the completed form to CAERS as the PTE analysis attachment.

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

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

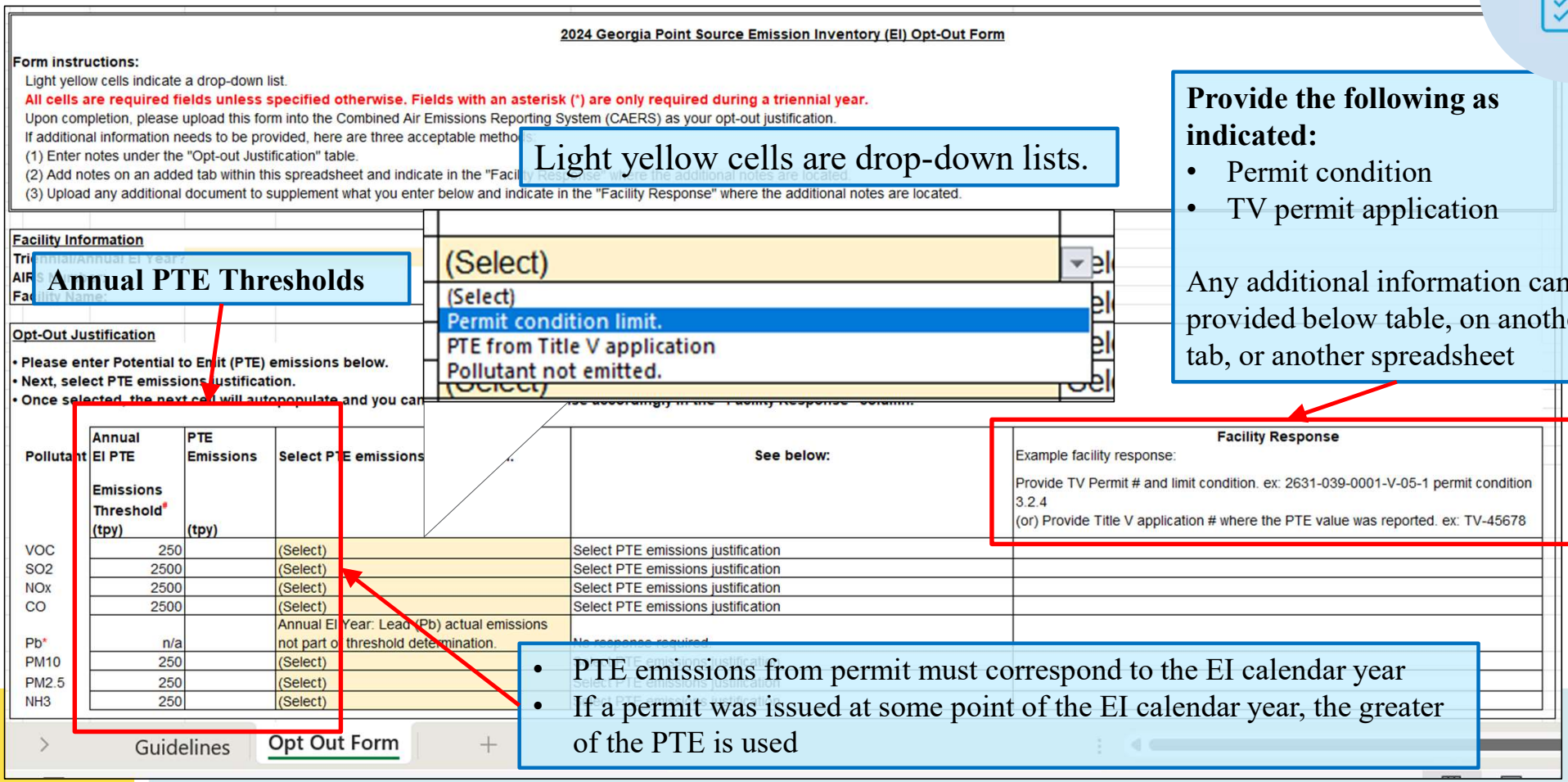
Link to EPA CDX

If a correction needs to be made, they can complete this opt-out form to upload to CAERS.

CAERS open on January 20th

Click here to be directed to CDX to access 2025 EI prompts in CAERS.

OPT-OUT FORM – MODIFYING OPT-OUT PTE



2024 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 your opt-out justification.
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" where the additional notes are located.

Facility Information

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

Pollutant	Annual EI PTE Emissions Threshold* (tpy)	PTE Emissions (tpy)	Select PTE emissions	See below:
VOC	250		(Select)	Select PTE emissions justification
SO2	2500		(Select)	Select PTE emissions justification
NOx	2500		(Select)	Select PTE emissions justification
CO	2500		(Select)	Select PTE emissions justification
Pb*	n/a		Annual EI Year: Lead (Pb) actual emissions not part of threshold determination.	No response required
PM10	250		(Select)	Select PTE emissions justification
PM2.5	250		(Select)	Select PTE emissions justification
NH3	250		(Select)	Select PTE emissions justification

(Select)
(Select)
Permit condition limit.
PTE from Title V application
Pollutant not emitted.

Facility Response
Example facility response:
Provide TV Permit # and limit condition. ex: 2631-039-0001-V-05-1 permit condition 3.2.4
(or) Provide Title V application # where the PTE value was reported. ex: TV-45678

Guidelines | Opt Out Form

Light yellow cells are drop-down lists.

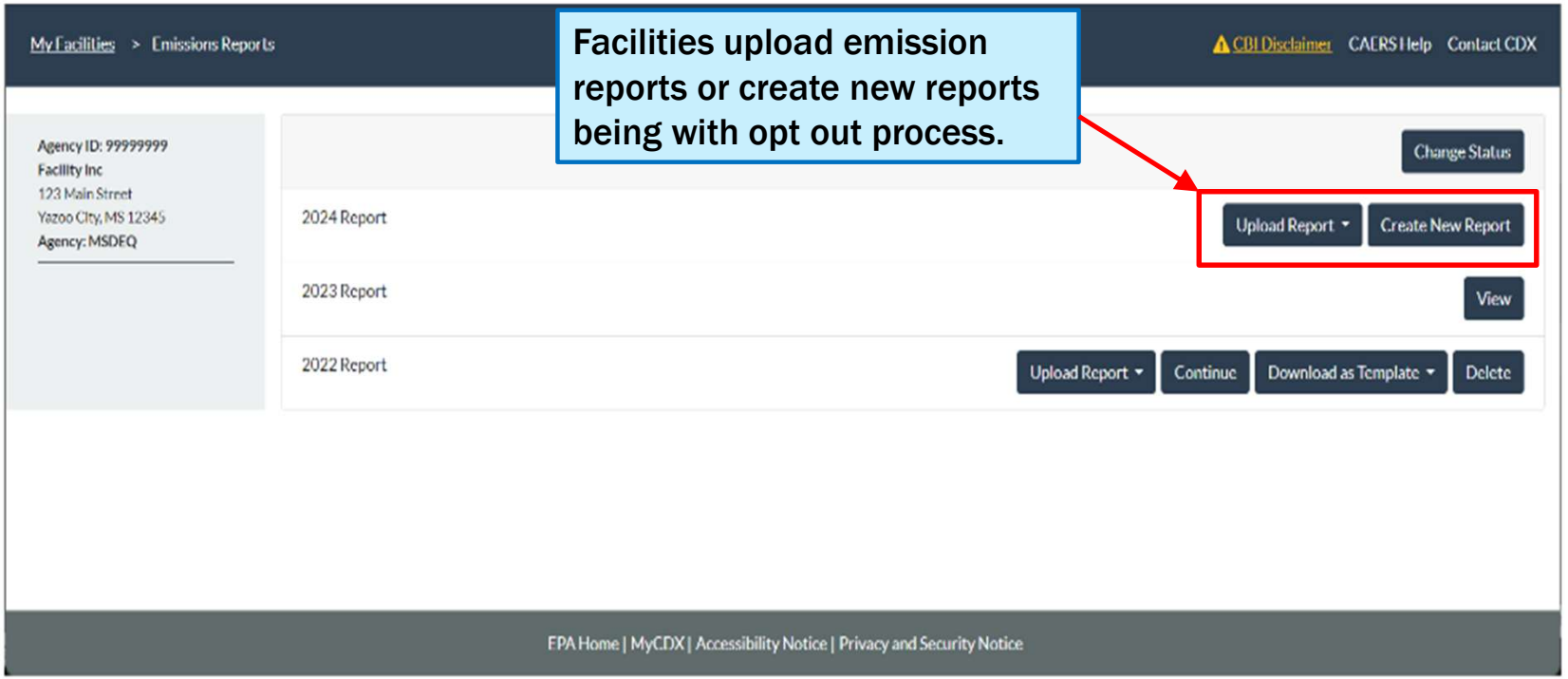
Annual PTE Thresholds

Provide the following as indicated:
- Permit condition
- TV permit application

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

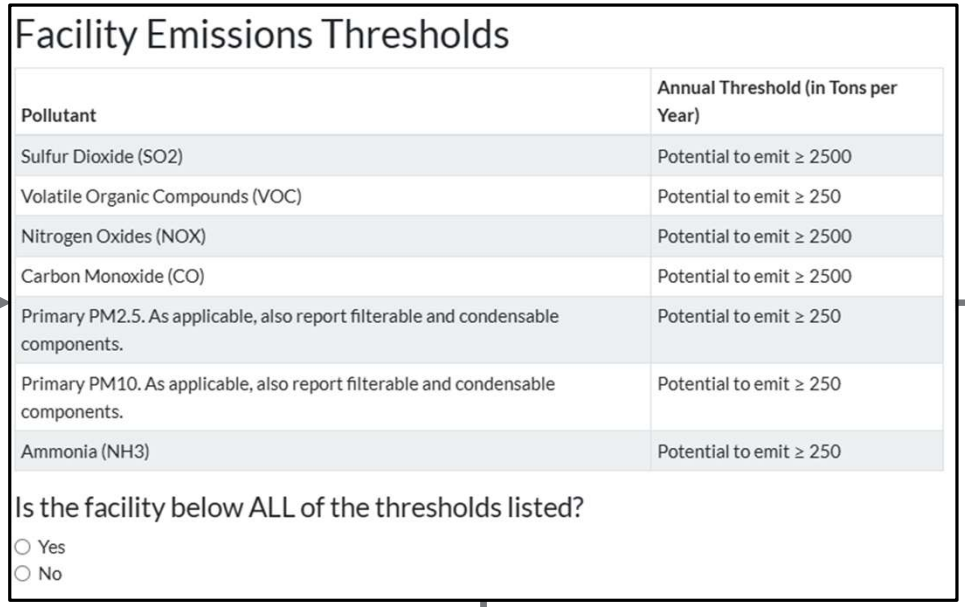
- PTE emissions from permit must correspond to the EI calendar year
- If a permit was issued at some point of the EI calendar year, the greater of the PTE is used

BEGIN EI REPORTING



2025 GEORGIA CAERS EI OPT-IN/OUT PROCESS

YES

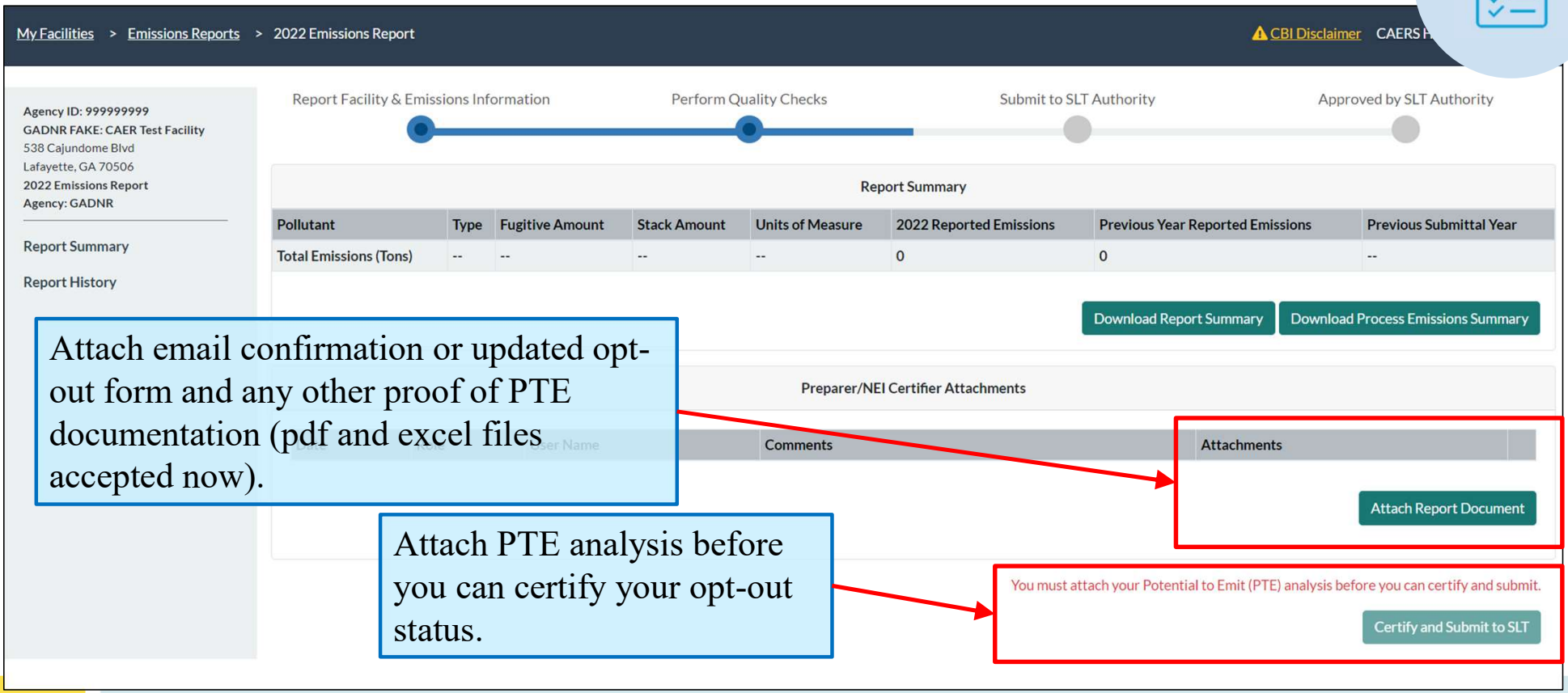


YES → Attach Opt-out Form & Certify

NO → Certify

NO → Submit EI in CAERS & Certify

CAERS – OPT-OUT FORM ATTACHMENT



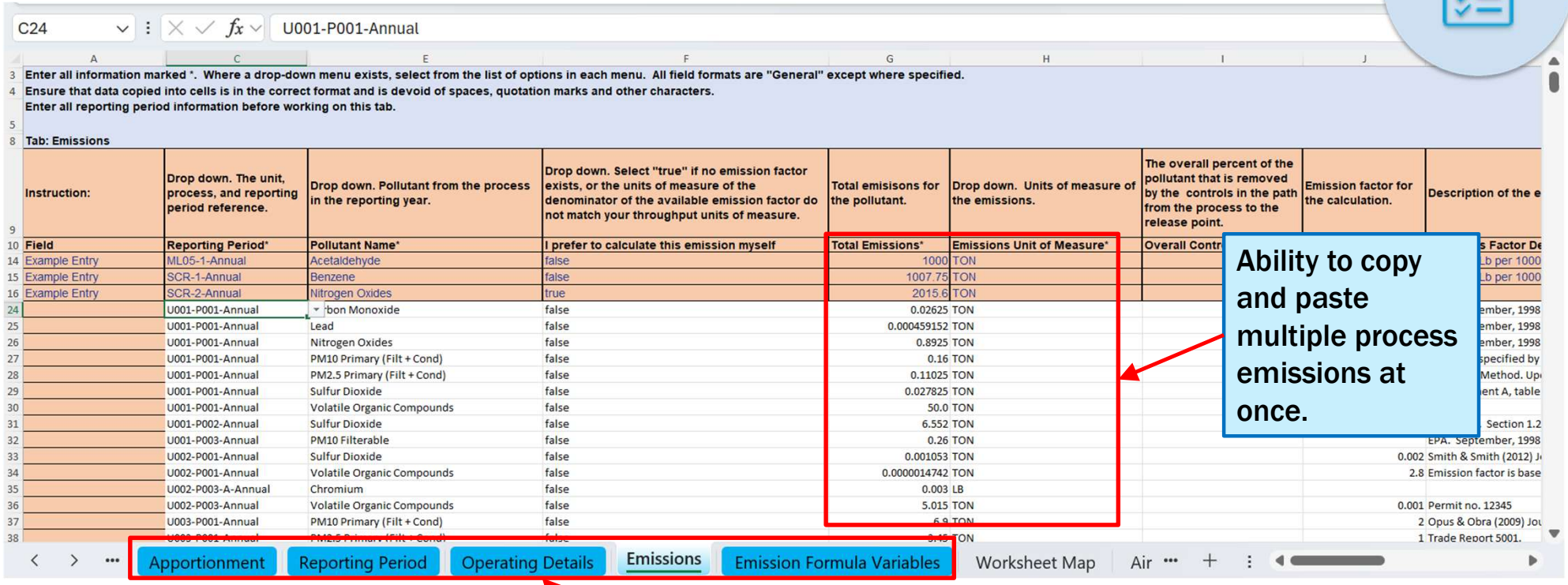
Attach email confirmation or updated opt-out form and any other proof of PTE documentation (pdf and excel files accepted now).

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

MULTIPLE WAYS TO REPORT EMISSIONS

- **Bulk uploading template**
  - Allows for offline work
  - Allows for some copy changes from facility formatted reports
- **Data bulk entry**
  - Allows updates of throughputs and individual emissions in one page
- **User interface**
  - Allows update of more detailed information
  - Allows connections between units/processes/controls/release to be handled through report.

BULK UPLOADING TEMPLATE



C24 | U001-P001-Annual

Enter all information marked *. Where a drop-down menu exists, select from the list of options in each menu. All field formats are "General" except where specified.
Ensure that data copied into cells is in the correct format and is devoid of spaces, quotation marks and other characters.
Enter all reporting period information before working on this tab.

Tab: Emissions

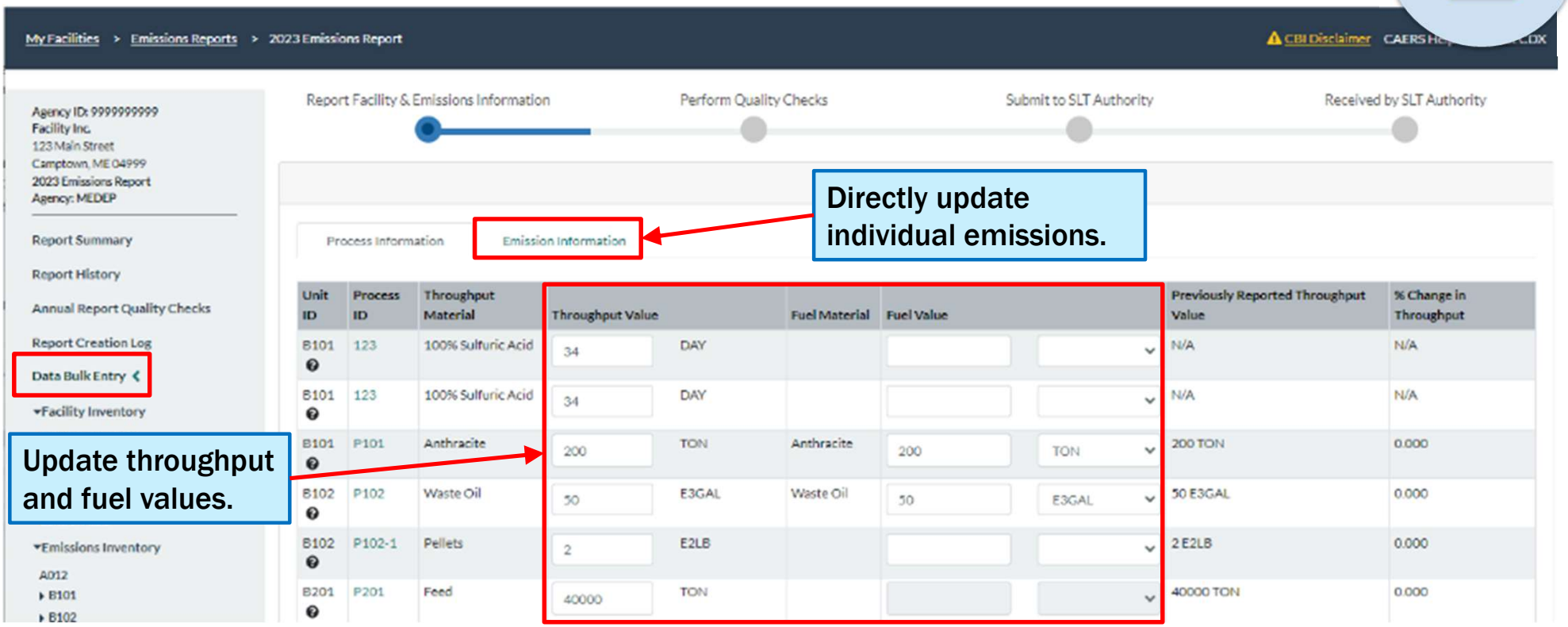
Instruction:	Drop down. The unit, process, and reporting period reference.	Drop down. Pollutant from the process in the reporting year.	Drop down. Select "true" if no emission factor exists, or the units of measure of the denominator of the available emission factor do not match your throughput units of measure.	Total emisisons for the pollutant.	Drop down. Units of measure of the emissions.	The overall percent of the pollutant that is removed by the controls in the path from the process to the release point.	Emission factor for the calculation.	Description of the e
Field	Reporting Period*	Pollutant Name*	I prefer to calculate this emission myself	Total Emissions*	Emissions Unit of Measure*	Overall Contr		s Factor De
Example Entry	ML05-1-Annual	Acetaldehyde	false	1000	TON			Lb per 1000
Example Entry	SCR-1-Annual	Benzene	false	1007.75	TON			Lb per 1000
Example Entry	SCR-2-Annual	Nitrogen Oxides	true	2015.6	TON			
	U001-P001-Annual	bon Monoxide	false	0.02625	TON			ember, 1998
	U001-P001-Annual	Lead	false	0.000459152	TON			ember, 1998
	U001-P001-Annual	Nitrogen Oxides	false	0.8925	TON			ember, 1998
	U001-P001-Annual	PM10 Primary (Filt + Cond)	false	0.16	TON			specified by
	U001-P001-Annual	PM2.5 Primary (Filt + Cond)	false	0.11025	TON			Method. Up
	U001-P001-Annual	Sulfur Dioxide	false	0.027825	TON			ent A, table
	U001-P001-Annual	Volatile Organic Compounds	false	50.0	TON			
	U001-P002-Annual	Sulfur Dioxide	false	6.552	TON			Section 1.2
	U001-P003-Annual	PM10 Filterable	false	0.26	TON			EPA. September, 1998
	U002-P001-Annual	Sulfur Dioxide	false	0.001053	TON		0.002	Smith & Smith (2012) J
	U002-P001-Annual	Volatile Organic Compounds	false	0.0000014742	TON		2.8	Emission factor is base
	U002-P003-A-Annual	Chromium	false	0.003	LB			
	U002-P003-Annual	Volatile Organic Compounds	false	5.015	TON		0.001	Permit no. 12345
	U003-P001-Annual	PM10 Primary (Filt + Cond)	false	6.8	TON		2	Opus & Obra (2009) Jou
	[illegible]	[illegible]	false	3.45	TON		1	Trade Report 5001.

Apportionment | Reporting Period | Operating Details | Emissions | Emission Formula Variables | Worksheet Map | Air

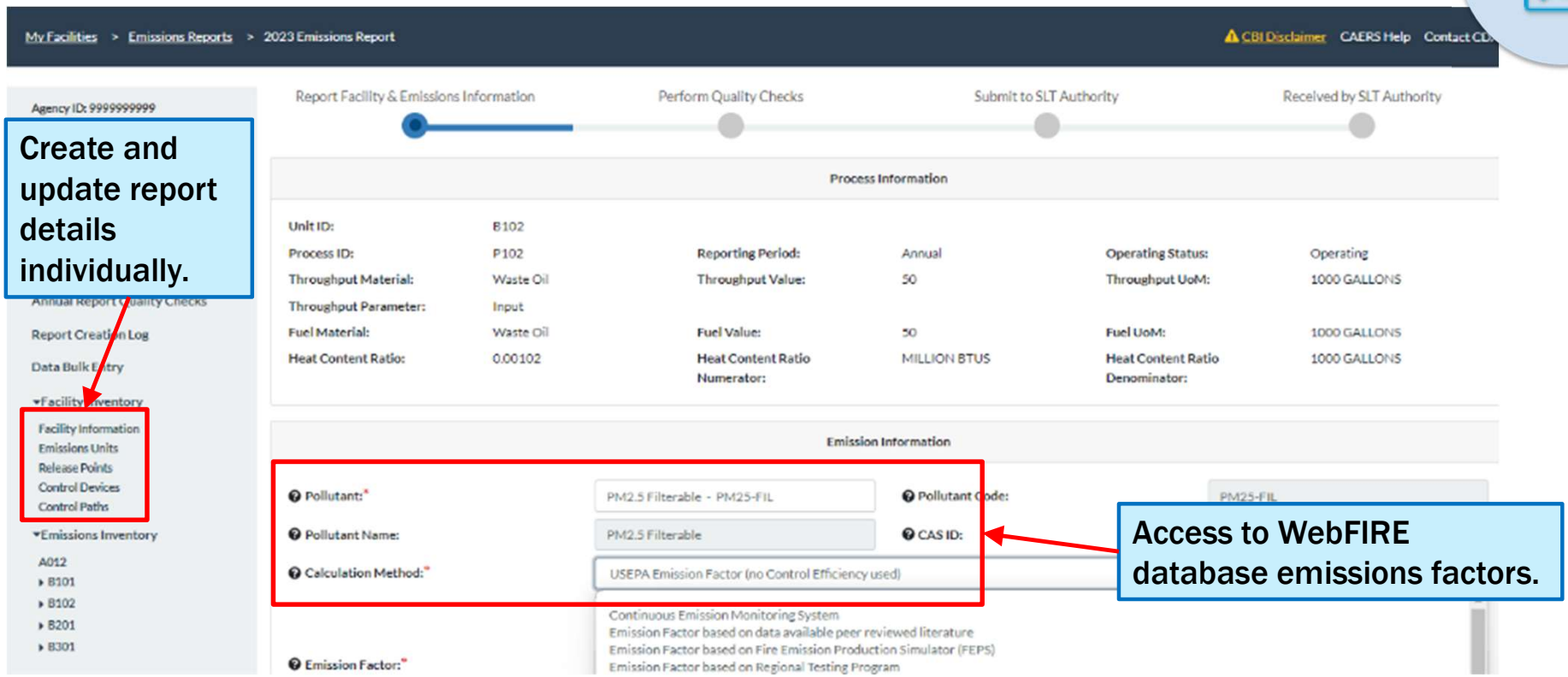
Ability to copy and paste multiple process emissions at once.

Report details are on individual tabs.

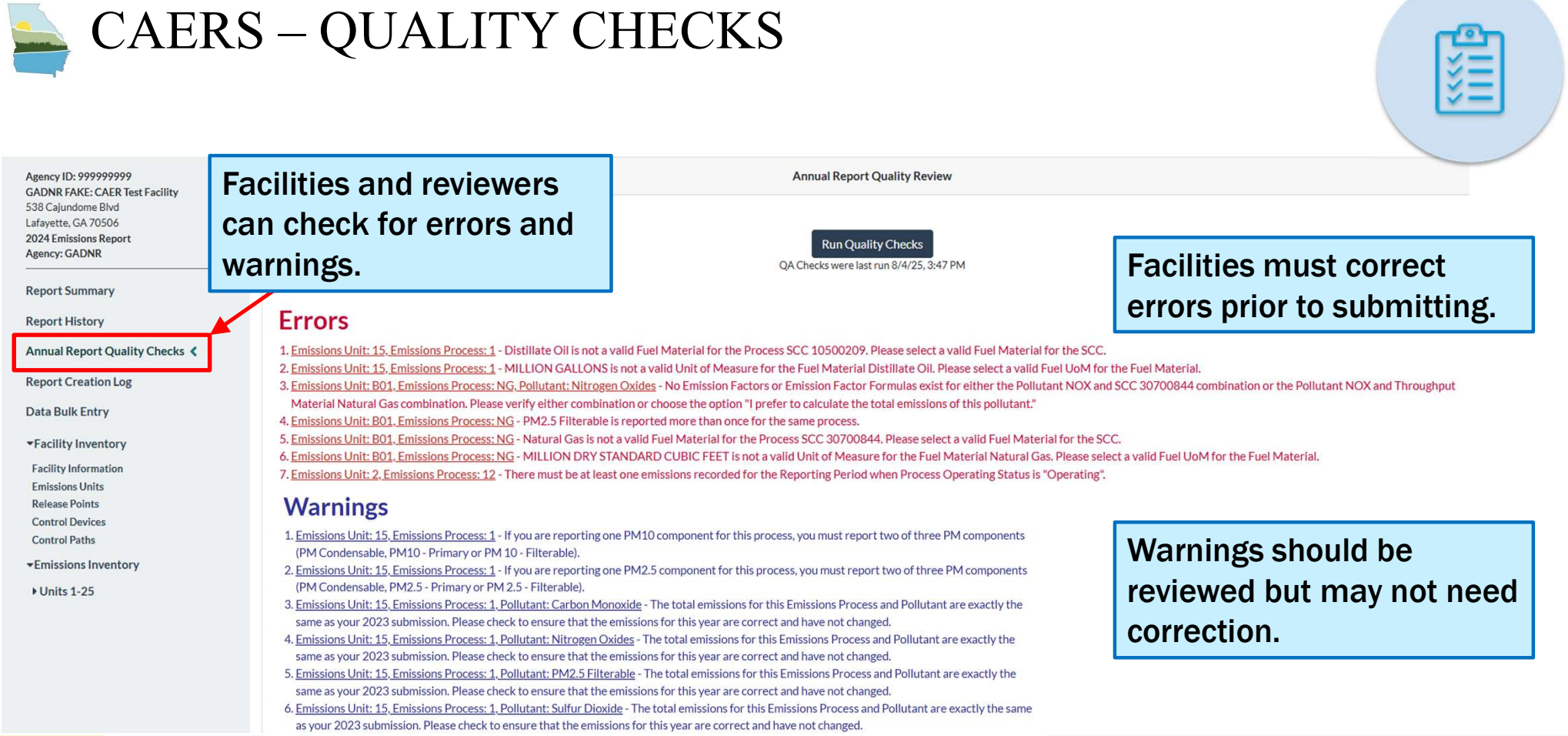
DATA BULK ENTRY



USER INTERFACE



CAERS – QUALITY CHECKS



GEORGIA EI QA

GEORGIA EI - CBI RELATED RULES

5. The Georgia Trade Secrets Act, O.C.G.A. § 10-1-760, *et seq*., provides that a -

> (4) 'Trade secret' means information, without regard to form, including, but not limited to, technical or nontechnical data, a formula, a pattern, a compilation, a program, a device, a method, a technique, a drawing, a process, financial data, financial plans, product plans, or a list of actual or potential customers or suppliers which is not commonly known by or available to the public and which information:
>
> (A) Derives economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; and
>
> (B) Is the subject of efforts that are reasonable under the circumstances to maintain its secrecy.
>
> O.C.G.A. § 10-1-761(4).

GEORGIA EI - CBI RELATED RULES CONTINUED

(b) Code Section § 12-9-19 and Georgia Rule for Air Quality Control 391-3-1-.08 to provide that "reports on the nature and amounts of stationary source emissions obtained by the division shall be available for public inspection." The APB has determined that the following information constitutes "nature and amounts" and cannot be claimed or treated as protected:

1. To the extent related to air quality, information necessary to determine the identity, amount, frequency, concentration, stack parameters, or other characteristics of any emission that has been emitted by the source, any pollutant resulting from any emission by the source, or any combination of the foregoing.

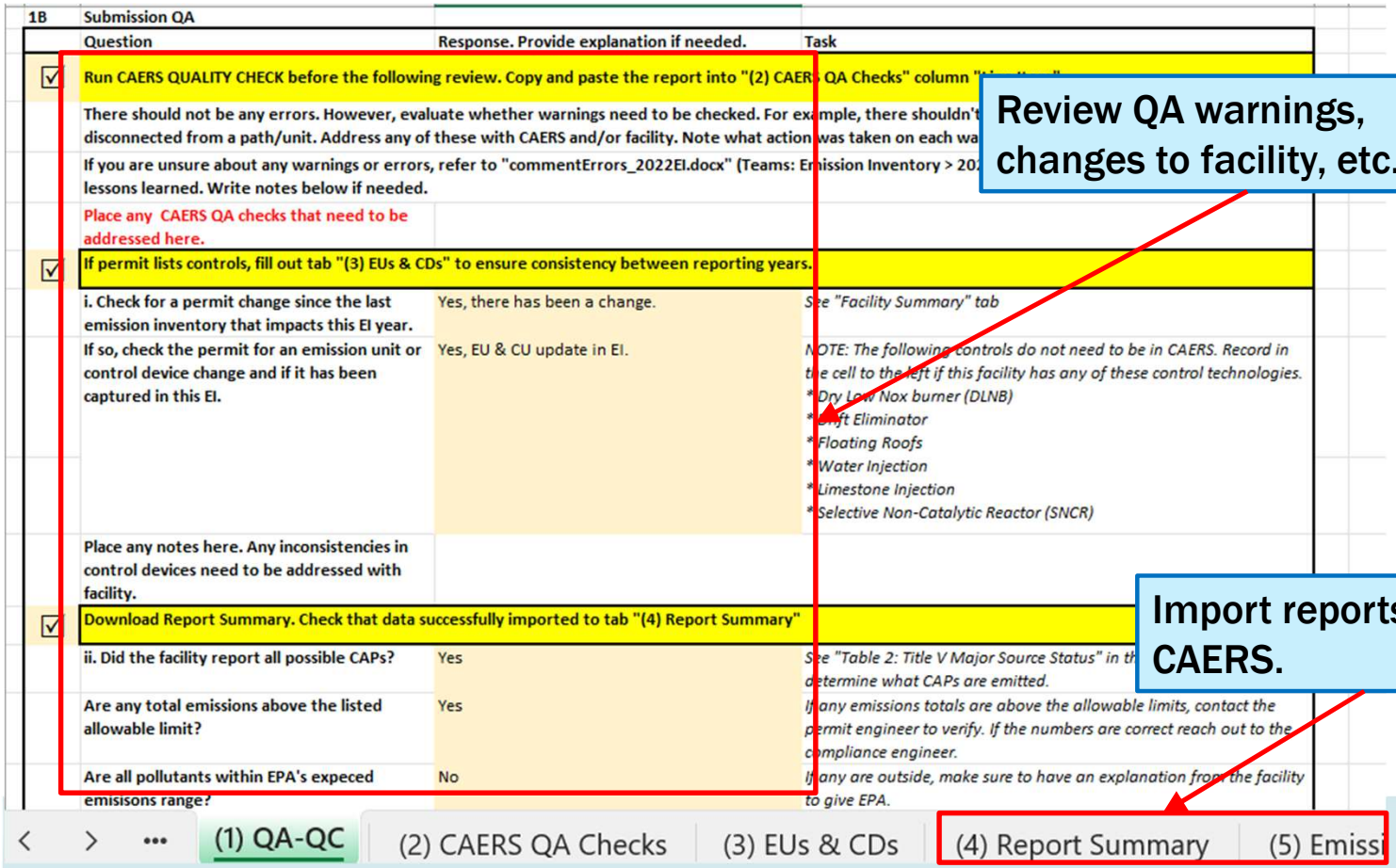
2. To the extent related to air quality, information necessary to determine the identity, amount, frequency, concentration, or other characteristics of the emissions that, under an applicable standard or limitation, the source is, was, or will be authorized to emit, including, to the extent necessary for such purposes, a description of the manner or the operation of the source.

3. A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources, including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source.

GEORGIA EI CBI SUMMARY

- Facilities may submit an affidavit declaring specific information protected **trade secrets** under the Georgia Trade Secrets Act, O.C.G.A. § 10-1-760, et seq.
- Information **eligible for protection** includes
  - Data, formulas, programs, a devices, methods, techniques, etc.
  - That derives actual or potential economic value from not being generally known or other persons who can obtain economic value from its disclosure or use; and
  - Is the subject of reasonable efforts to maintain secrecy.
- Information that **can not be protected**:
  - Any data necessary to identify the type, amount, frequency, concentration, stack parameters, or other characteristics of pollutants emitted
- Facilities will submit a **protected** and **redacted** version of the applicable documents.

GA EPD EI INTERNAL QA CHECKS



1B	Submission QA		
	Question	Response. Provide explanation if needed.	Task
☑	Run CAERS QUALITY CHECK before the following review. Copy and paste the report into "(2) CAERS QA Checks" column		
	There should not be any errors. However, evaluate whether warnings need to be checked. For example, there shouldn't		
	disconnected from a path/unit. Address any of these with CAERS and/or facility. Note what action was taken on each wa		
	If you are unsure about any warnings or errors, refer to "commentErrors_2022EI.docx" (Teams: Emission Inventory > 202		
	lessons learned. Write notes below if needed.		
	Place any CAERS QA checks that need to be addressed here.		
☑	If permit lists controls, fill out tab "(3) EUs & CDs" to ensure consistency between reporting years.		
	i. Check for a permit change since the last emission inventory that impacts this EI year.	Yes, there has been a change.	*See "Facility Summary" tab*
	If so, check the permit for an emission unit or control device change and if it has been captured in this EI.	Yes, EU & CU update in EI.	*NOTE: The following controls do not need to be in CAERS. Record in the cell to the left if this facility has any of these control technologies.* ** Dry Low Nox burner (DLNB)* ** Drift Eliminator* ** Floating Roofs* ** Water Injection* ** Limestone Injection* ** Selective Non-Catalytic Reactor (SNCR)*
	Place any notes here. Any inconsistencies in control devices need to be addressed with facility.		
☑	Download Report Summary. Check that data successfully imported to tab "(4) Report Summary"		
	ii. Did the facility report all possible CAPs?	Yes	*See "Table 2: Title V Major Source Status" in th* *determine what CAPs are emitted.*
	Are any total emissions above the listed allowable limit?	Yes	*If any emissions totals are above the allowable limits, contact the permit engineer to verify. If the numbers are correct reach out to the compliance engineer.*
	Are all pollutants within EPA's expeced emisisons range?	No	*If any are outside, make sure to have an explanation from the facility to give EPA.*

(1) QA-QC | (2) CAERS QA Checks | (3) EUs & CDs | (4) Report Summary | (5) Emissi

Review QA warnings, changes to facility, etc.

Import reports from CAERS.

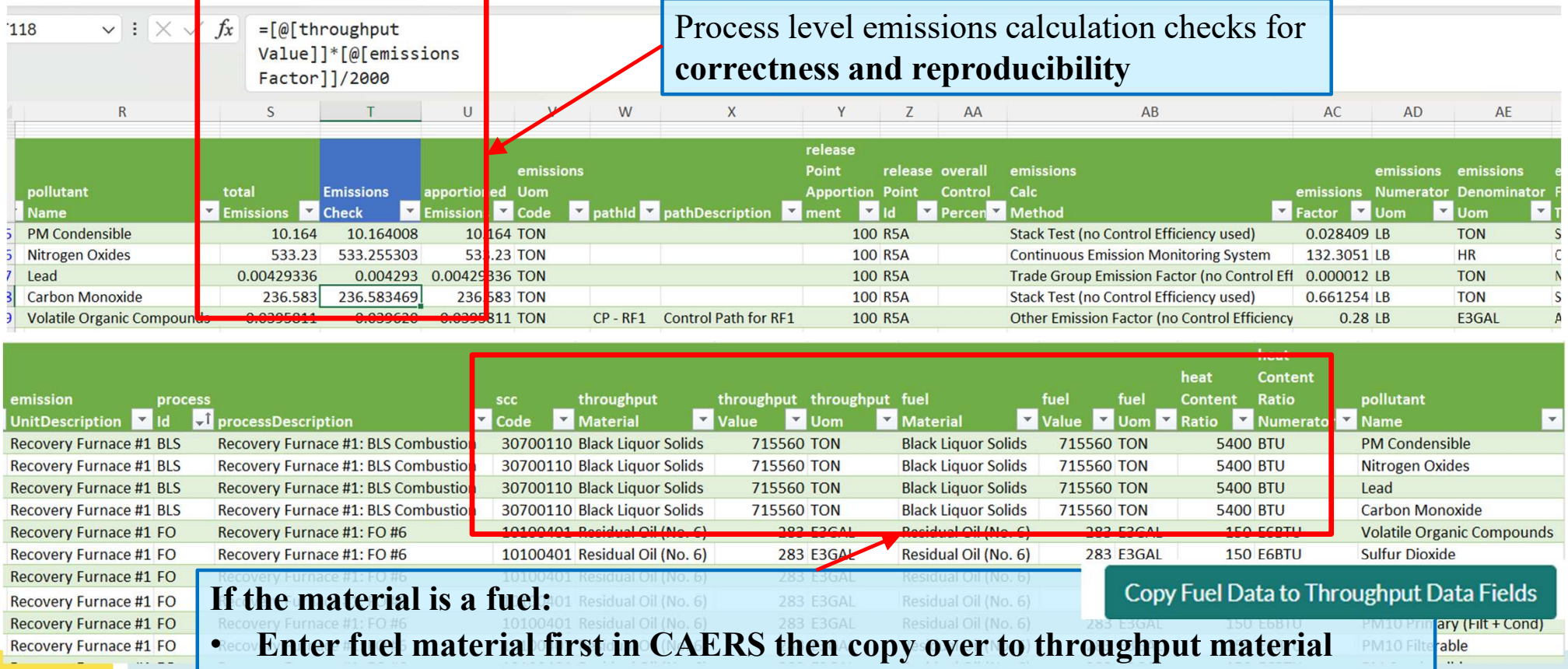
GEORGIA EI QA – FACILITY OVERVIEW

- **Opt-Out Status**
  - Review PTE if operating and PTEs are below AERR annual thresholds
  - Verify shut-down status (no opt-out form required)
- **Co-located Facilities**
  - Report EI if collectively PTE thresholds are exceeded
- **Controls and Emissions Units**
  - Consistent with applicable permit and previous CAERS entry
  - Assure that all controlled pollutants are listed with both the control device and control path.

GEORGIA EI QA – EMISSIONS DATA (1)

- **SCC Code Specificity –** Replace general SCC with a more specific code to better represent emission process which ensures expected pollutants and associated EFs are correctly captured.
- **Zero throughput and emissions** for operating process should be marked as temporarily or permanently shut down.
- Provide reasons for **significant facility-wide emissions change** in CAP and HAP totals at process level
  - CAPs - >20%
  - HAPs - >10%
- **Significant Figures –** CAERS has no decimal limits, 6 decimal points is preferred; do not round to whole numbers when manually entering emissions
- **Emissions** should be automatically calculated with provided EF and throughput value

GEORGIA EI QA – EMISSIONS DATA (2)



pollutant Name	total Emissions	Emissions Check	apportioned Emission	emissions Uom Code	pathId	pathDescription	release Point Apportionment	release Point Id	overall Control Percen	emissions Calc Method	emissions Factor	emissions Numerator Uom	emissions Denominator Uom
PM Condensible	10.164	10.164008	10.164	TON			100	R5A		Stack Test (no Control Efficiency used)	0.028409	LB	TON
Nitrogen Oxides	533.23	533.255303	533.23	TON			100	R5A		Continuous Emission Monitoring System	132.3051	LB	HR
Lead	0.00429336	0.004293	0.00429336	TON			100	R5A		Trade Group Emission Factor (no Control Eff	0.000012	LB	TON
Carbon Monoxide	236.583	236.583469	236.583	TON			100	R5A		Stack Test (no Control Efficiency used)	0.661254	LB	TON
Volatile Organic Compounds	0.0395811	0.039563	0.0395811	TON	CP - RF1	Control Path for RF1	100	R5A		Other Emission Factor (no Control Efficiency	0.28	LB	E3GAL

emission UnitDescription	process Id	processDescription	scc Code	throughput Material	throughput Value	throughput Uom	fuel Material	fuel Value	fuel Uom	heat Content Ratio	heat Content Ratio Numerato	pollutant Name
Recovery Furnace #1	BLS	Recovery Furnace #1: BLS Combustio	30700110	Black Liquor Solids	715560	TON	Black Liquor Solids	715560	TON	5400	BTU	PM Condensible
Recovery Furnace #1	BLS	Recovery Furnace #1: BLS Combustio	30700110	Black Liquor Solids	715560	TON	Black Liquor Solids	715560	TON	5400	BTU	Nitrogen Oxides
Recovery Furnace #1	BLS	Recovery Furnace #1: BLS Combustio	30700110	Black Liquor Solids	715560	TON	Black Liquor Solids	715560	TON	5400	BTU	Lead
Recovery Furnace #1	BLS	Recovery Furnace #1: BLS Combustio	30700110	Black Liquor Solids	715560	TON	Black Liquor Solids	715560	TON	5400	BTU	Carbon Monoxide
Recovery Furnace #1	FO	Recovery Furnace #1: FO #6	10100401	Residual Oil (No. 6)	283	E3GAL	Residual Oil (No. 6)	283	E3GAL	150	E6BTU	Volatile Organic Compounds
Recovery Furnace #1	FO	Recovery Furnace #1: FO #6	10100401	Residual Oil (No. 6)	283	E3GAL	Residual Oil (No. 6)	283	E3GAL	150	E6BTU	Sulfur Dioxide
Recovery Furnace #1	FO	Recovery Furnace #1: FO #6	10100401	Residual Oil (No. 6)	283	E3GAL	Residual Oil (No. 6)	283	E3GAL	150	E6BTU	PM10 Primary (Filt + Cond)
Recovery Furnace #1	FO	Recovery Furnace #1: FO #6	10100401	Residual Oil (No. 6)	283	E3GAL	Residual Oil (No. 6)	283	E3GAL	150	E6BTU	PM10 Filterable

If the material is a fuel:

- **Enter fuel material first in CAERS then copy over to throughput material**
- **Include heat content value**
  - **CAERS will conduct the conversion if the emission factor has a heat UOM**

GEORGIA EI QA – EMISSIONS DATA (3)

- **Emissions factors, throughput values, operating hours, etc should** be entered into CAERS to enable automatic emission calculations
- **Attachments are reserved for material balance and engineering judgement** (explained in later slides)
  - Do not use an attachment to avoid entering emission factors (and other values) into CAERS
- **All pollutants must be recorded no matter how insignificant**
  - Common missing pollutants include Ammonia and Lead
  - Check permit for expected pollutants
  - Check WebFIRE for expected pollutants
  - Enter 0 if the specific process does not actually emit, provide an explanation

GEORGIA EI QA – PM REPORTING

- **2 of the 3 components of PM10 and PM2.5 emissions must be reported**
- PM components
  - PM Condensable (PM-CON)
  - PM10/2.5 Filterable (PM10-FIL and PM2.5-FIL)
  - PM10/2.5 Primary (PM10-PRI and PM2.5-PRI)
- PM-CON does not occur in all processes so in some cases PM10/2.5-FIL may equal PM10/2.5-PRI.
- Acceptable PM assumptions due to lack of supporting data or emissions factor
  - PM10-PRI = PM2.5-PRI
  - PM10-FIL = PM2.5-FIL
  - If "Stack Test" is used, the emissions factor (EF) must be verified through the referenced test, or the calculation method must be revised.
  - If no reliable EF, allow EPA use PM augmentation tool to estimate PM emissions.

GEORGIA EI QA – SOURCE CLASSIFICATION CODE (SCC)

- **Each process in a unit should have a unique SCC**
  - Unless using the alternative throughput option for a process
- Multiple processes of the same unit using the same SCC will result in a warning in CAERS
- Different fuels should have different in-process fuel SCCs (see below for examples)

Unit ID: B79
Unit Description: Imp Mill Flash Dryer
Unit Design Capacity:
Comments:

Reviewer Comment:

Combustion process should use in-process fuel SCC

Processes Associated with this Emissions Unit

Process ID	SCC
Combustion	30502099
Process	30502099

SCC	scc level one	scc level two	scc level three	scc level four	sect
39000602	Industrial Processes	In-process Fuel Use	Natural Gas	Cement Kiln/Dryer	Indu
39000603	Industrial Processes	In-process Fuel Use	Natural Gas	Lime Kiln	Indu
39000605	Industrial Processes	In-process Fuel Use	Natural Gas	Metal Melting	Indu
39000699	Industrial Processes	In-process Fuel Use	Natural Gas	General	Indu
39000701	Industrial Processes	In-process Fuel Use	Process Gas	Coke Oven or Blas	Indu
39000702	Industrial Processes	In-process Fuel Use	Process Gas	Coke Oven Gas	Indu
39000797	Industrial Processes	In-process Fuel Use	Process Gas	General	Indu
39000801	Industrial Processes	In-process Fuel Use	Coke	Mineral Wool Fuel	Indu
39000889	Industrial Processes	In-process Fuel Use	Coke	General	Indu
39000899	Industrial Processes	In-process Fuel Use	Coke	General: Coke	Indu

Bulk Download Options

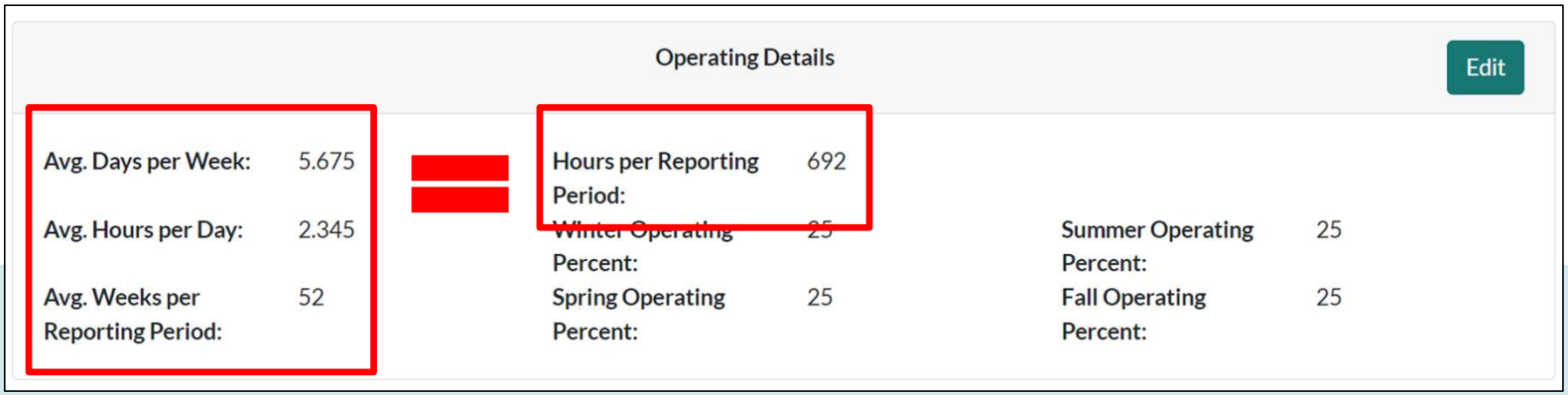
Download the complete SCC list.

Download List 3.69Mb CSV File

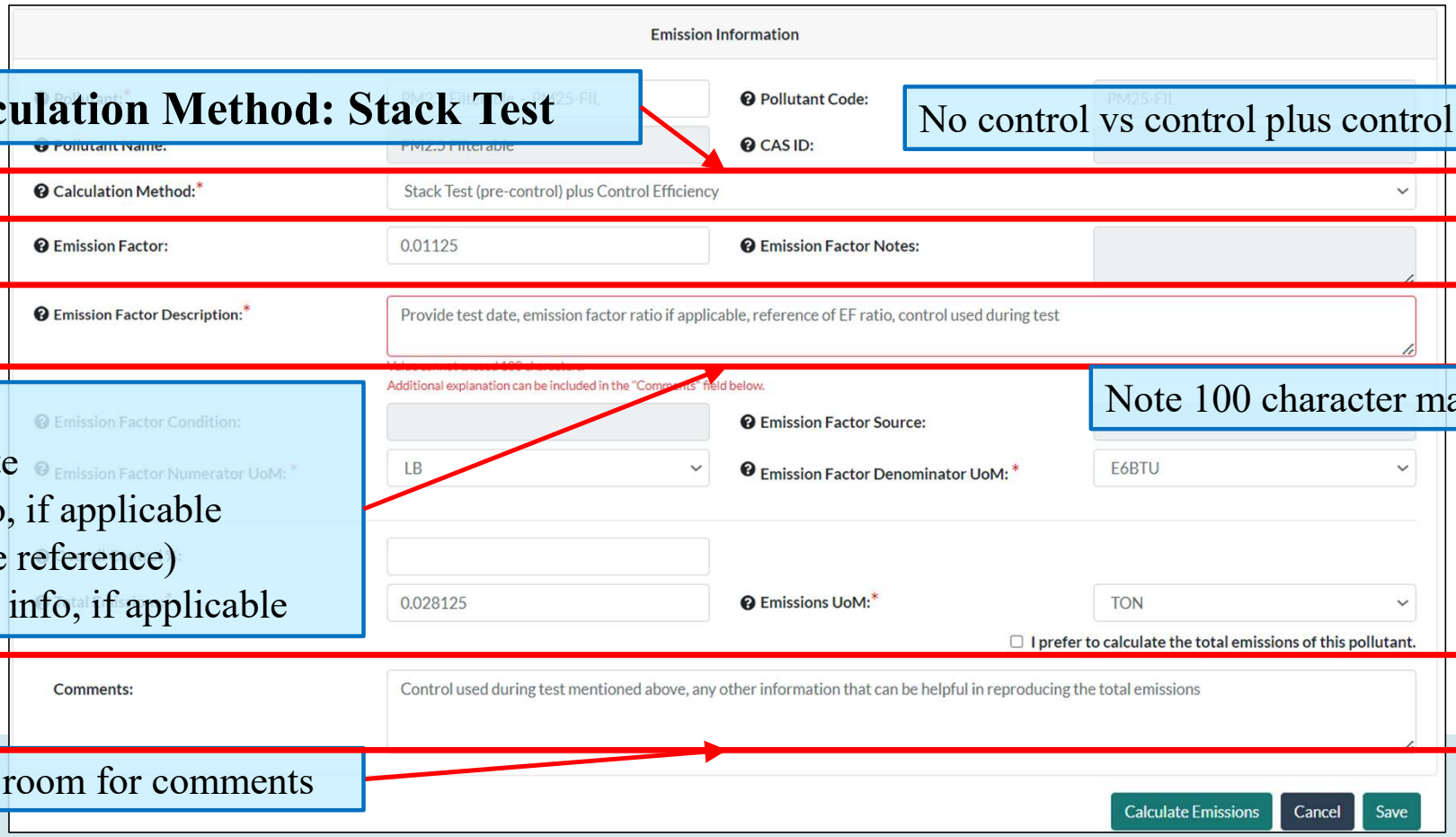
https://sor-scc-api.epa.gov/sccwebservices/sccsearch/

GEORGIA EI QA – OPERATING HOURS

- If using the bulk upload template, average days/week, hours/day, and weeks/reporting period must equal hours/reporting period.
  - CAERS will change the reported hours/reporting period to equal the product of the three operating values
  - The change can be seen in the "Report Creation Log"
- Average days/week and average hours/day – up to 3 decimal places
- Average weeks/reporting period & Hours/reporting period - integer



GEORGIA EI QA – CALCULATION METHOD DOCUMENTATION (1)



Calculation Method: Stack Test

No control vs control plus control efficiency

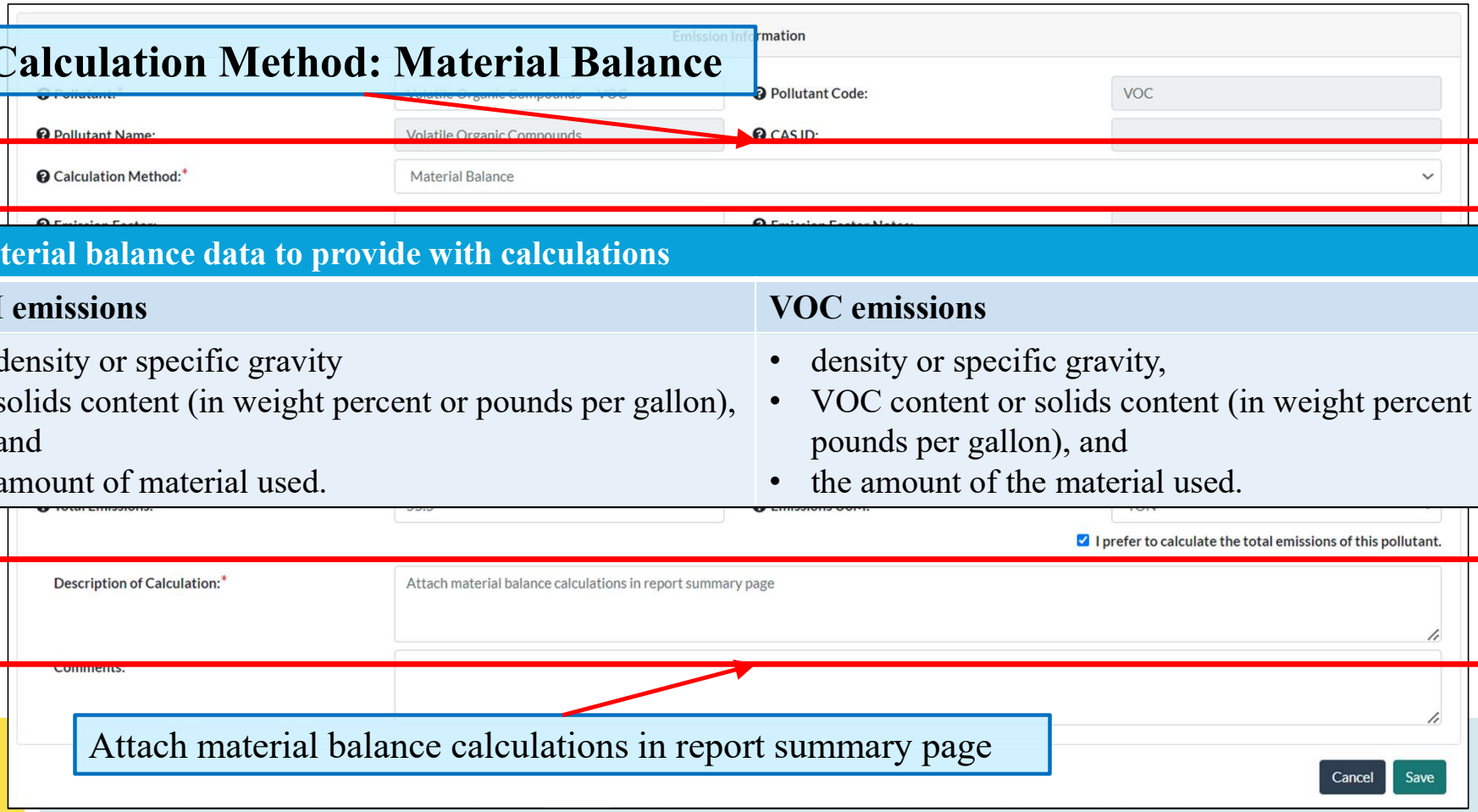
Provide:
- Test date
- EF ratio, if applicable (include reference)
- Control info, if applicable

Note 100 character maximum.

Additional room for comments

GEORGIA EI QA – CALCULATION METHOD DOCUMENTATION (2)

Calculation Method: Material Balance

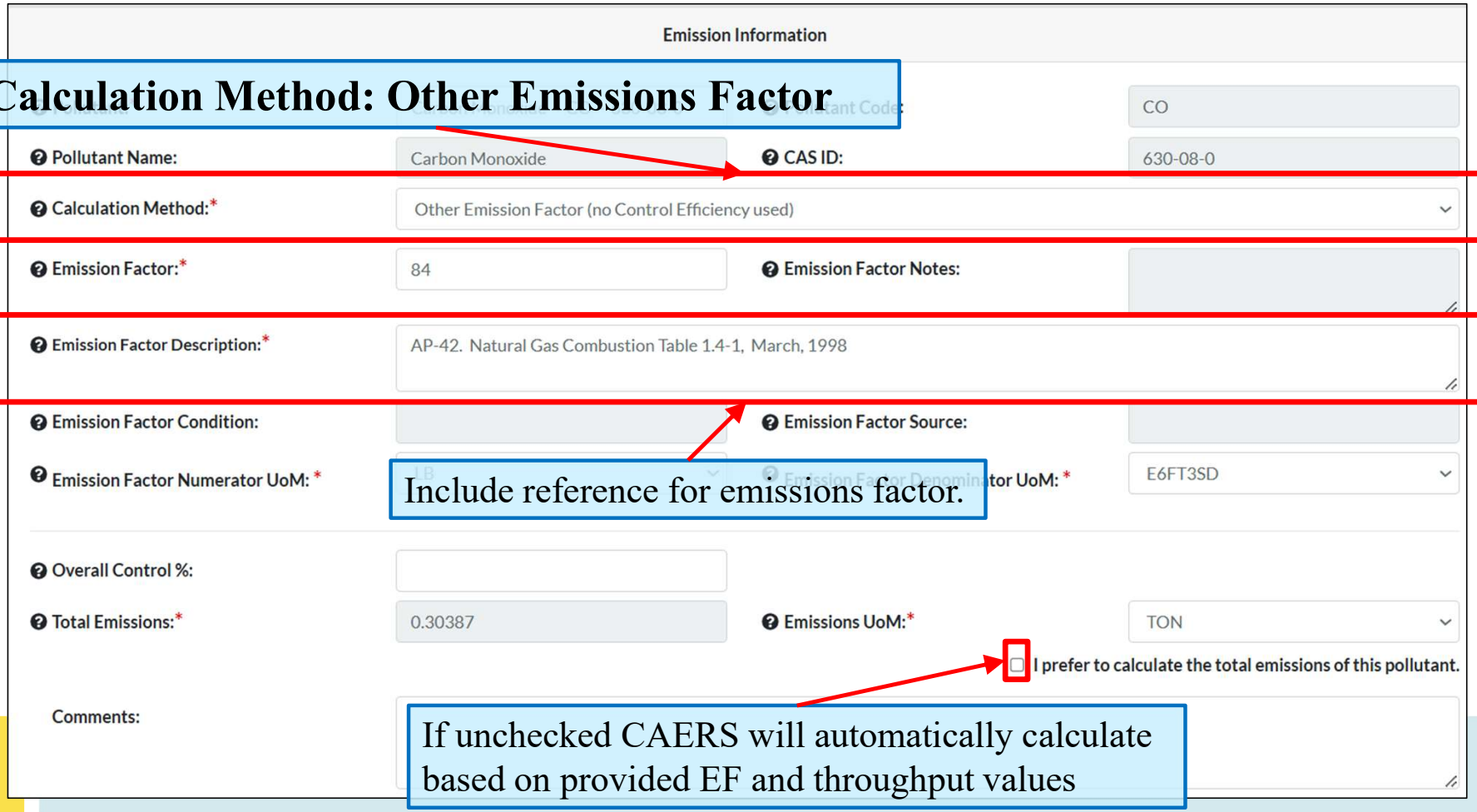


Material balance data to provide with calculations

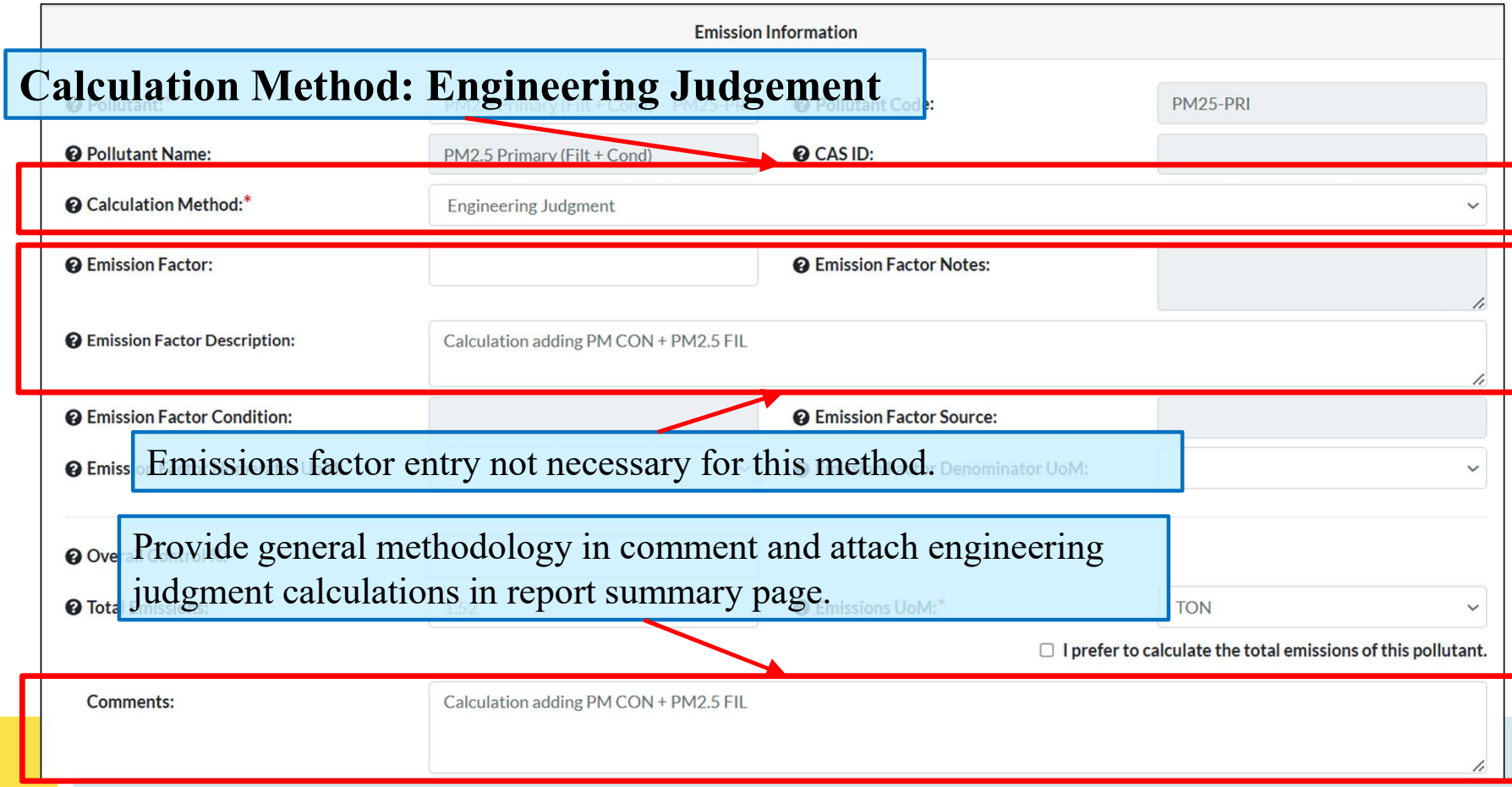
PM emissions	VOC emissions
• density or specific gravity • solids content (in weight percent or pounds per gallon), and • amount of material used.	• density or specific gravity, • VOC content or solids content (in weight percent or pounds per gallon), and • the amount of the material used.

Attach material balance calculations in report summary page

GEORGIA EI QA – CALCULATION METHOD DOCUMENTATION (3)



GEORGIA EI QA – CALCULATION METHOD DOCUMENTATION (4)



EI QA SUMMARY

- Facility inventory part must match current permits, and shutdown units must be clearly marked as temporary or permanent with status year when updated (2025)
- Unique SCCs must accurately reflect each process under one unit, preferably SCCs have expected pollutants and related EF.
- Reported operating hours and throughput must match calculated values and reflect actual facility activity.
- Emission changes greater than 20% for CAPs or 10% for HAPs must include a clear explanation at process or facility level
- All pollutants required by permits or indicated in permit application or reported before must be reported, and emission can be reproduced with valid emissions factors and throughput data or provided documents.

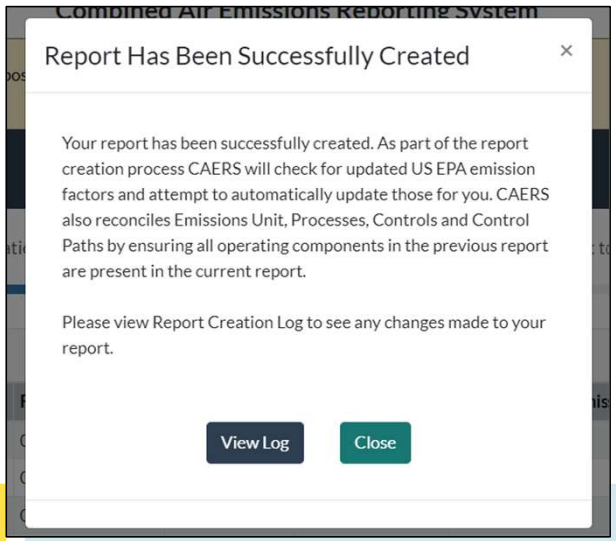
EI QA SUMMARY - CONTINUED

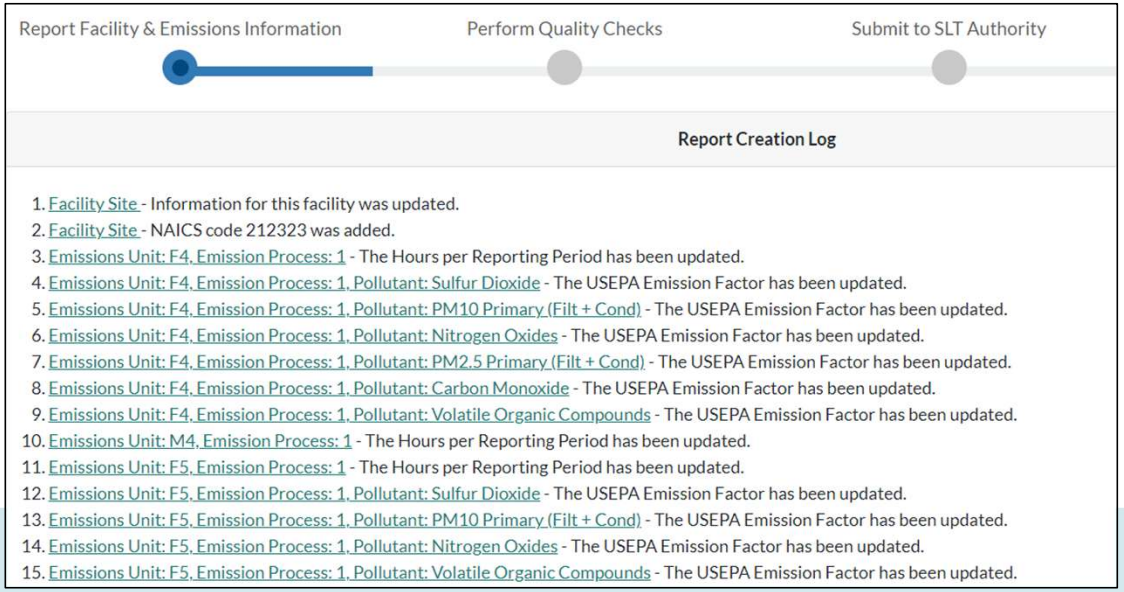
- At least two of the three PM components (PM-CON, PM-FIL, PM-PRI) must be reported correctly for PM10 and PM2.5; otherwise, EPA use augmentation to set PM value.
- Control devices and release point control paths must be fully linked and consistent with facility permits.
- Each emission entry must include a documented calculation method, with required references or attachments.
- HAP emissions must be included in CAP totals, must not exceed them, and must align with TRI data without double counting.
- All CAERS structural elements including units, processes, pollutants, release points, and controls, must be fully entered and connected to avoid system errors.

HELPFUL TIPS

HELPFUL TIPS – REPORT CREATION LOG

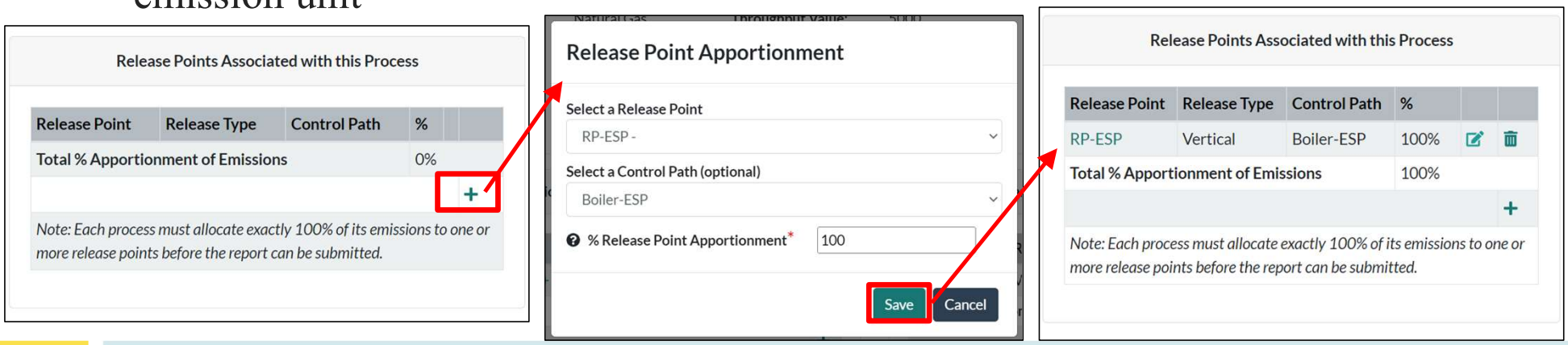
- Appears when first opening your report for the new EI year
- Provides insight on two types of changes that could have occurred:
  - EPA updates
  - Bulk upload template to CAERS user interface



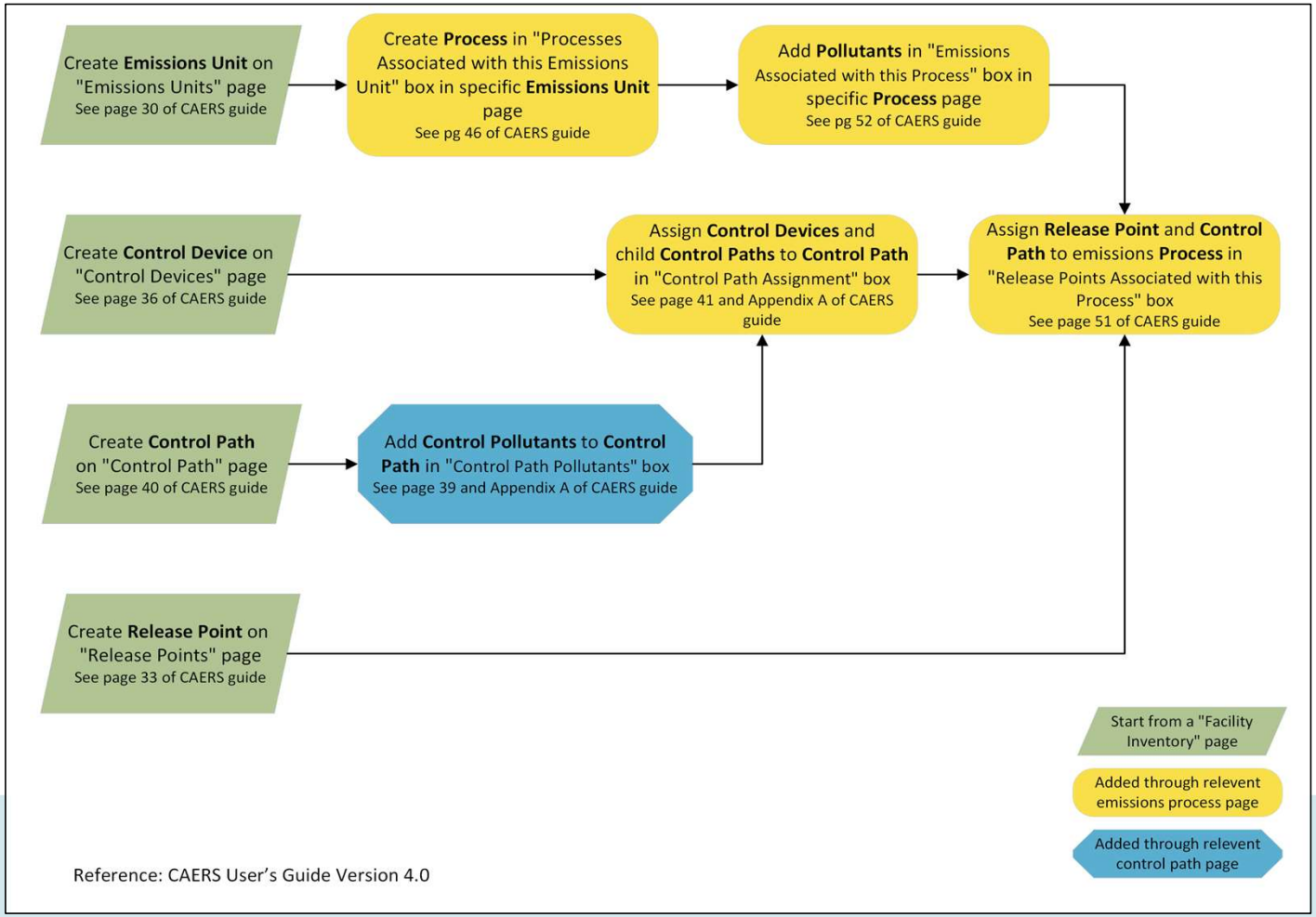


HELPFUL TIPS – ENTERING NEW EMISSION UNITS

- Match emission unit and control device IDs as identified in permit.
  - Do not modify IDs that are already entered in CAERS.
- Order of emission data entry:
  - Emission unit > Process > Pollutants > Release Point > Control Device > Path
  - Then connect via Release Point Apportionment found in process level of an emission unit

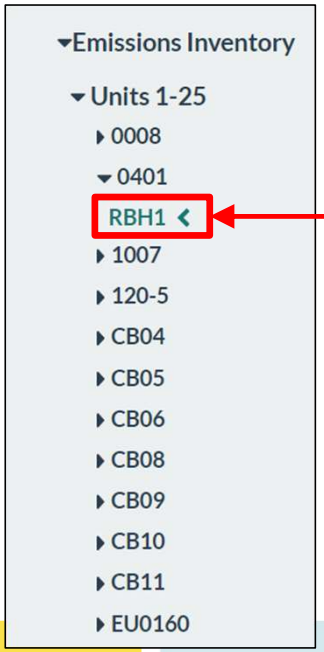


HELPFUL TIPS – ENTERING NEW EMISSION UNITS

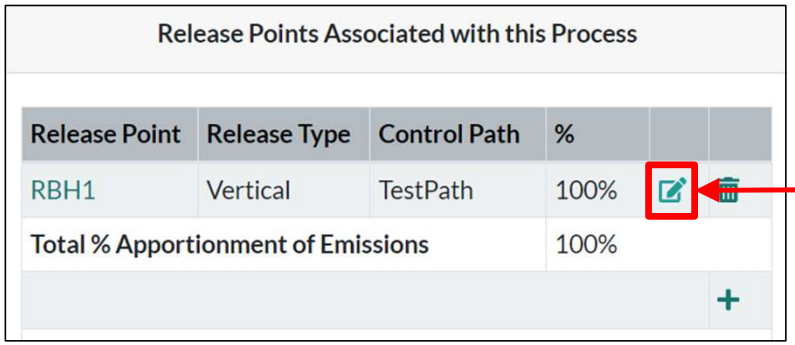


HELPFUL TIPS - CORRECT CONTROLS ERROR & WARNING

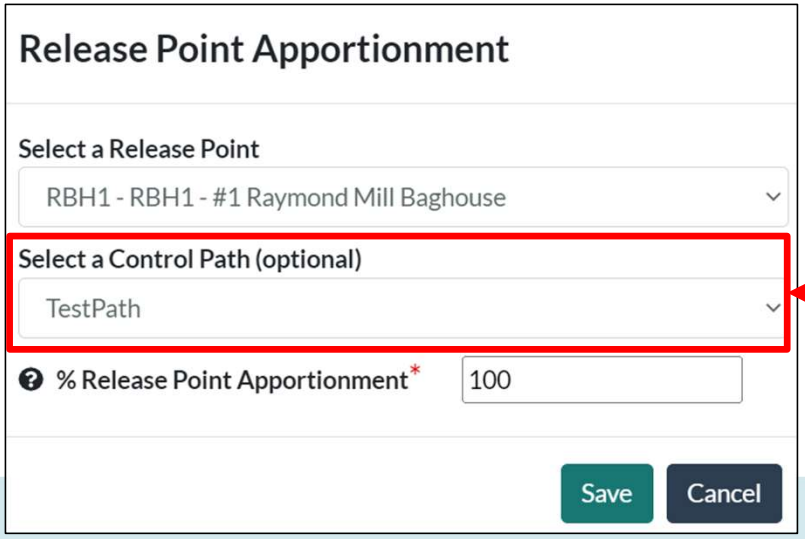
Controls are added to a device through the process page.



1. Processes can be found through the "Emissions Inventory" menu on the left-hand side of the page.



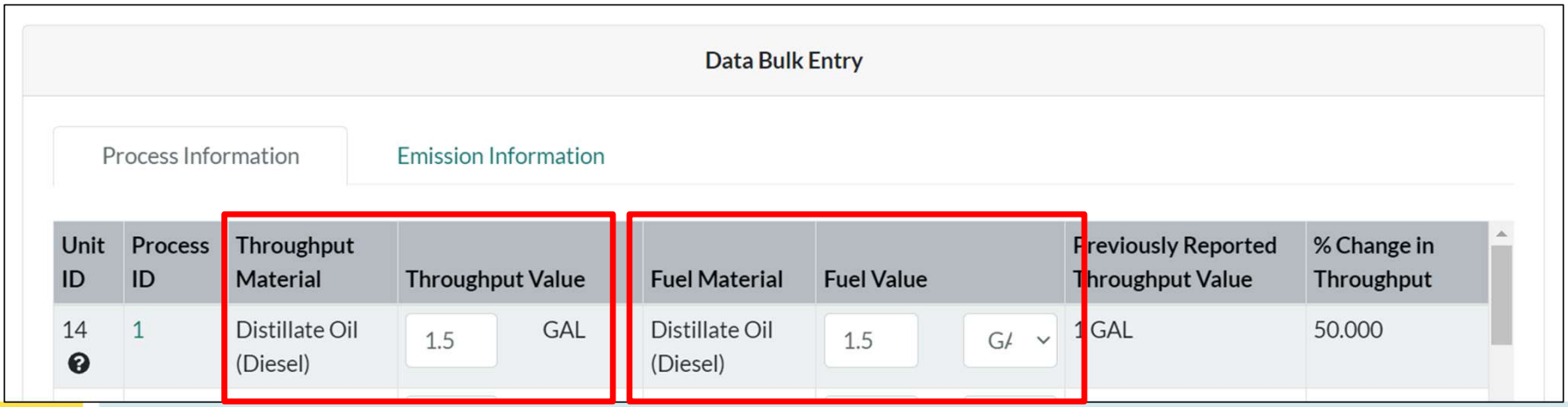
2. Find the "Release Points Associated" section and select the edit button.



3. Add control path in the "Release Point Apportionment" menu.

HELPFUL TIPS – DATA BULK ENTRY

- If no units/processes have changed, Data Bulk Entry is a great tool to update throughput.
- Throughput & fuel material visible in the Data Bulk Entry feature.
- Ensure both are the same values if entering a fuel material



RESOURCES AND NEXT STEPS

RESOURCES

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

https://epd.georgia.gov/forms-permits/air-protection-branch-forms-permits/point-source-emissions-inventory#toc-training-resources-2

- **CAERS User guide**

https://www.epa.gov/combined-air-emissions-reporting/combined-air-emissions-reporting-system-caers

- **Past EPA CAERS Webinar Recordings**

https://www.epa.gov/combined-air-emissions-reporting/combined-air-emissions-reporting-system-caers

- **Historic Point Source Emissions Data**

https://epd.georgia.gov/forms-permits/air-protection-branch-forms-permits/point-source-emissions-inventory/historical-point

WHAT'S NEXT?

- **EPA Training**
  - Welcome to CAERS for New Reporters: 1/14/2026, 3 – 4 pm ET
  - CAERS EI User Interface: 1/13/2026 2-3:30 pm ET
  - CAERS EI Bulk Uploading Template 1/26/2026 2 -3:30 pm ET
  - CAERS EI Control Paths: 1/27/2026 2:30-4:00 pm ET
  - Please visit https://www.epa.gov/combined-air-emissions-reporting/combined-air-emissions-reporting-system-caers to view the training recordings.
- **Virtual Help Sessions (Every Tuesday/Thursday at 10:30 AM ET from March– June)**
- **There will be no extensions or Help Sessions after June 15th**
- **QA the EI data as soon as it is submitted**
- **Reach out to the QA'd facilities if any errors or data verifications**

THANK YOU!

Your participation helps us obtain and maintain an accurate emissions inventory for the state of Georgia which is vital to reach our goal of improving our State's air quality.

Thank you for your hard work and cooperation!

QUESTIONS

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