WELCOME TO THE 2024 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

2024 GA Kickoff Point Source Emission Inventory Training

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Planning & Support Program
Air Protection Branch
Georgia Environmental Protection Division

2024 EI Point Source Emission Reporting Training Webinar

December 11, 2024

TRAINING OUTLINE

- **Regulatory Background**
- **Update on Proposed Air Emissions Reporting Requirements**
- **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 2024 EI; CAERS will reopen January. 6, 2025. GA EPD requires participating facilities to report data by **June 30th**. **No extensions will be provided after July 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

2024 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

NEW PROPOSED AERR

PROPOSED AERR PROVISION RELATED TO POINT SOURCES

On July 25th, 2023, EPA published a draft of a new proposed **Air Emissions Reporting Requirements (AERR)**. Comment period ended on Nov. 17, 2023.

Proposal includes:

- New deadline for CAPs reporting: Proposed new deadline March 31, 2031
- Mandatory HAPs reporting: All speciated HAPs emitted for TV sources
- Change in reporting thresholds. No triennial year reporting, every year will have the same (previously the annual/triennial) threshold.
- New data collection requirements for small generating units, mobile sources and portable sources
- Emissions data not entitled to confidential treatment
- Require to use electronic reporting to submit certain source tests

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
  - EPD is continuously encouraging facilities to submit HAPs emissions to CAERS

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

- Since the recent proposal of the new AERR, 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 2024 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

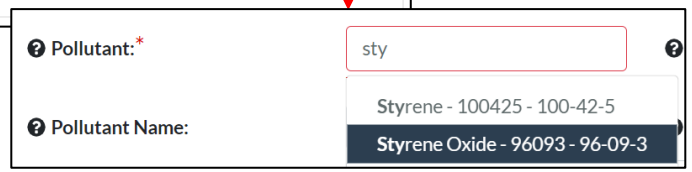
HAPs can be reported in CAERS just like CAPS.

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.

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.



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)

2024 EI WALKTHROUGH

UPDATE FACILITY & CONTACT INFORMATION

DETERMINE PARTICIPATION STATUS (OPT OUT/OPT IN)

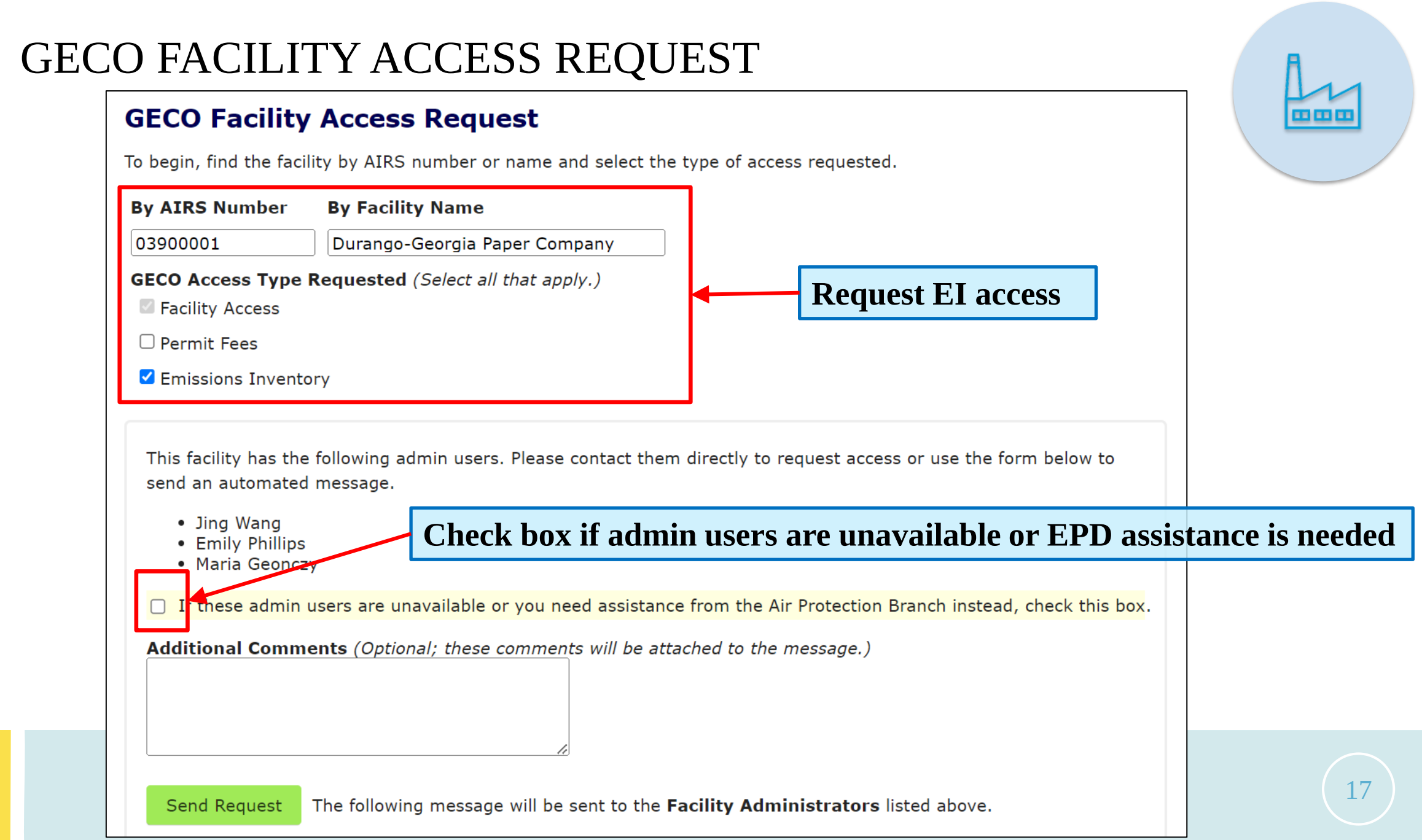
SUBMIT 2024 EI & CERTIFY

STEP 1: ACCESS YOUR FACILITY IN GECO

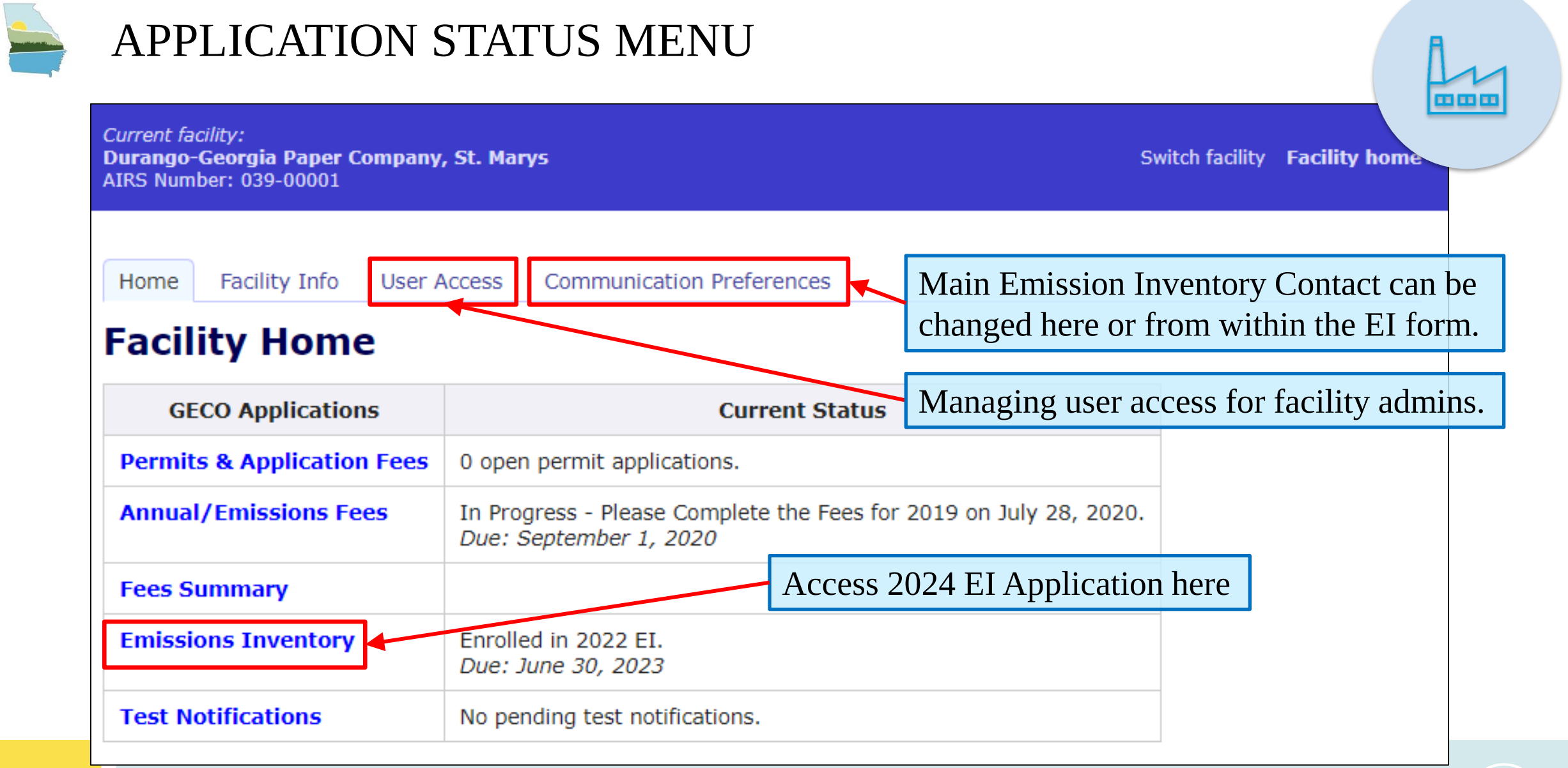
Returning users with EI access – Facilities will be listed and the EI box checked. Click on "Facility Name" to access the EI form.

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

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

Open map in new window

Please contact us for any facility information discrepancy.

STEP 3: UPDATE EI CONTACT INFORMATION

2. CAERS Users

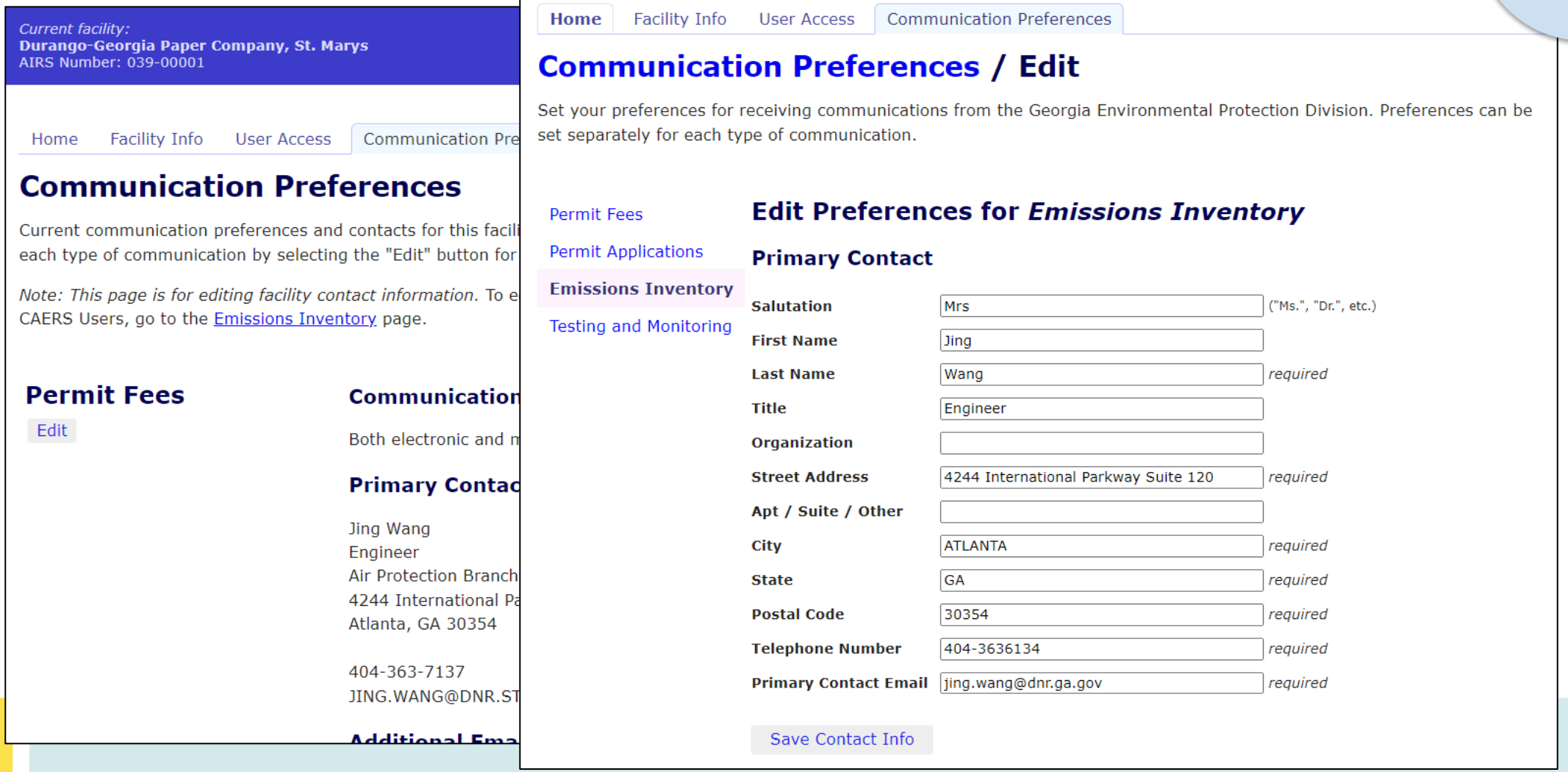
Please ensure all contact information is correct in communication preferences before proceeding to update CAERS contact information.

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.

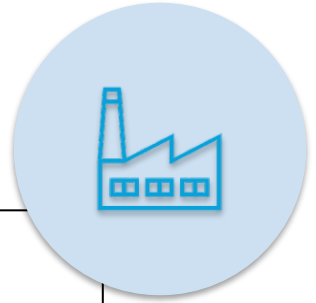
Current CAERS Users

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

STEP 3: UPDATE GECO EI CONTACT INFORMATION



STEP 4: UPDATE CAERS USERS



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.

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

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

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 6, 2025.

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.

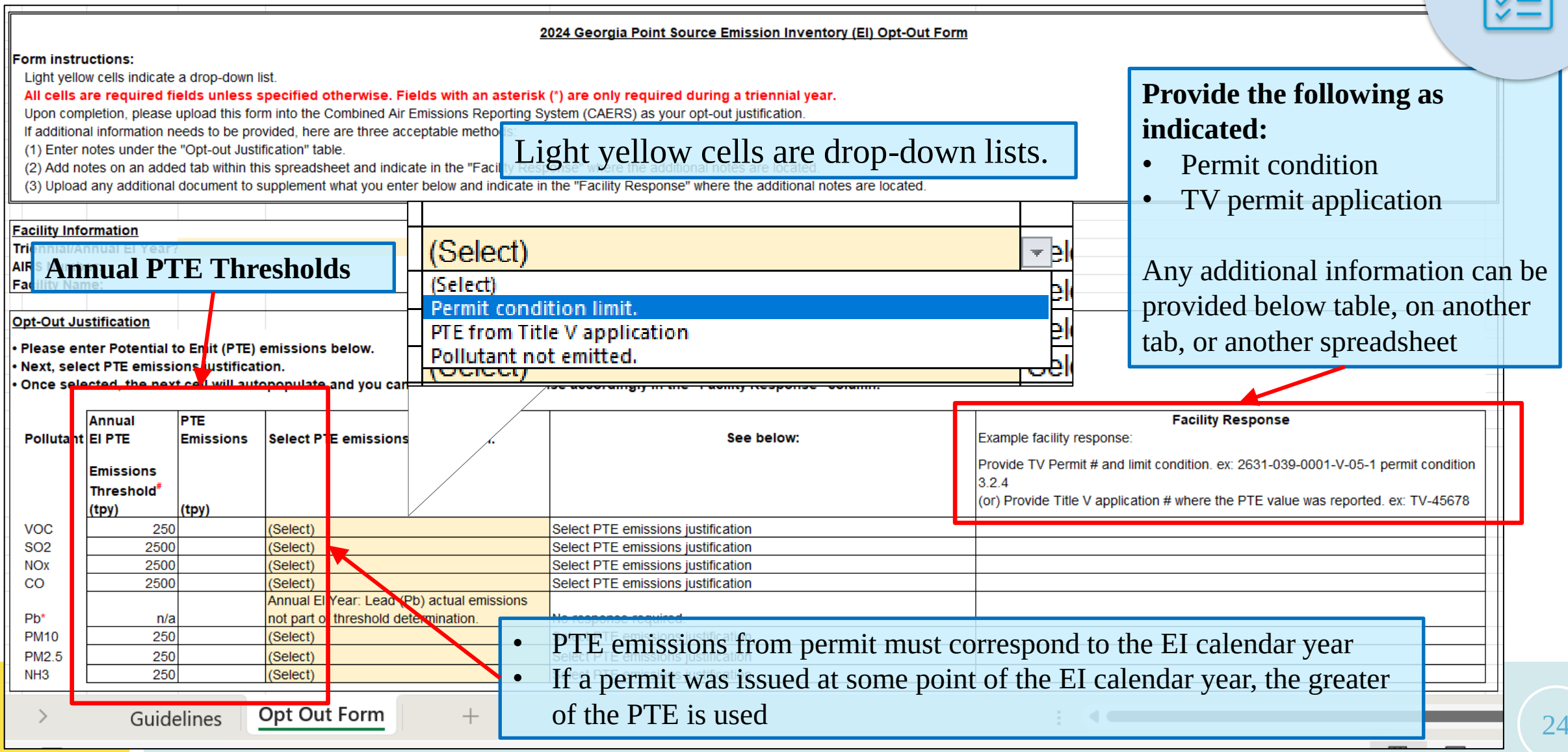
Link to EPA CDX

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

CAERS will reopen on January 6th

Click here to be directed to CDX to access 2024 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.

Light yellow cells are drop-down lists.

Facility Information

Triennial/Annual EI Year?

AIRS ID:

Facility Name:

Annual PTE Thresholds

(Select)

(Select)

Permit condition limit.

PTE from Title V application

Pollutant not emitted.

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 use according to in the "Facility Response" column.**

Pollutant	Annual EI PTE Emissions Threshold# (tpy)	PTE Emissions (tpy)	Select PTE emissions justification	See below:	Facility Response
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	

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

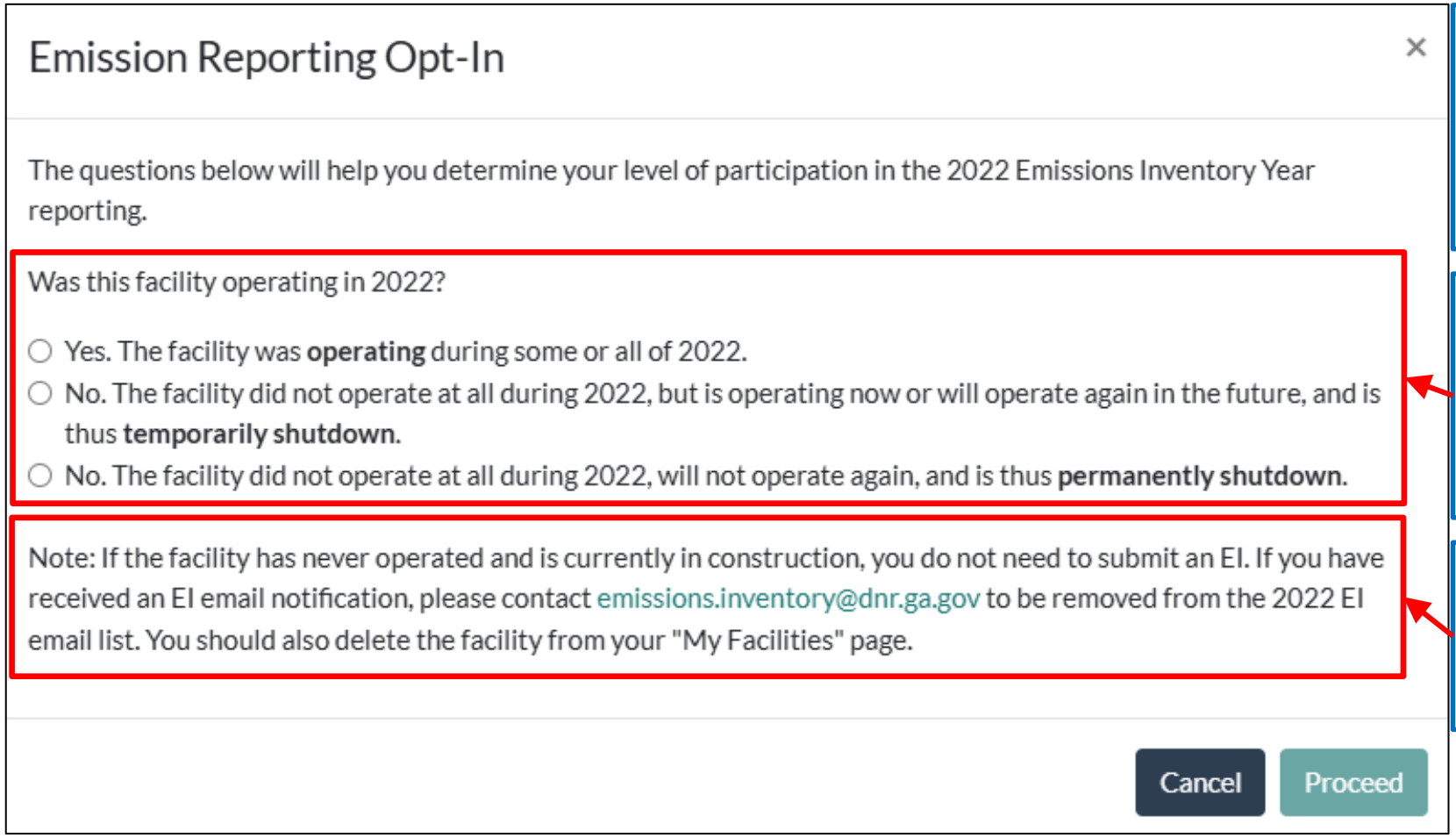
Provide the following as indicated:

- 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

CAERS – OPT-OUT QUESTION 1



Opt-out scenarios

- Operating but under thresholds
- Temporarily/ Permanently Shutdown all of 2024

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

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

CAERS – OPT-OUT QUESTION 2

Facility Emissions Thresholds

Pollutant	Annual Threshold (in Tons per Year)
Sulfur Dioxide (SO2)	Potential to emit ≥ 2500
Volatile Organic Compounds (VOC)	Potential to emit ≥ 250
Nitrogen Oxides (NOX)	Potential to emit ≥ 2500
Carbon Monoxide (CO)	Potential to emit ≥ 2500
Primary PM2.5. As applicable, also report filterable and condensable components.	Potential to emit ≥ 250
Primary PM10. As applicable, also report filterable and condensable components.	Potential to emit ≥ 250
Ammonia (NH3)	Potential to emit ≥ 250

Is the facility below ALL of the thresholds listed?

- ○ Yes
- ○ No

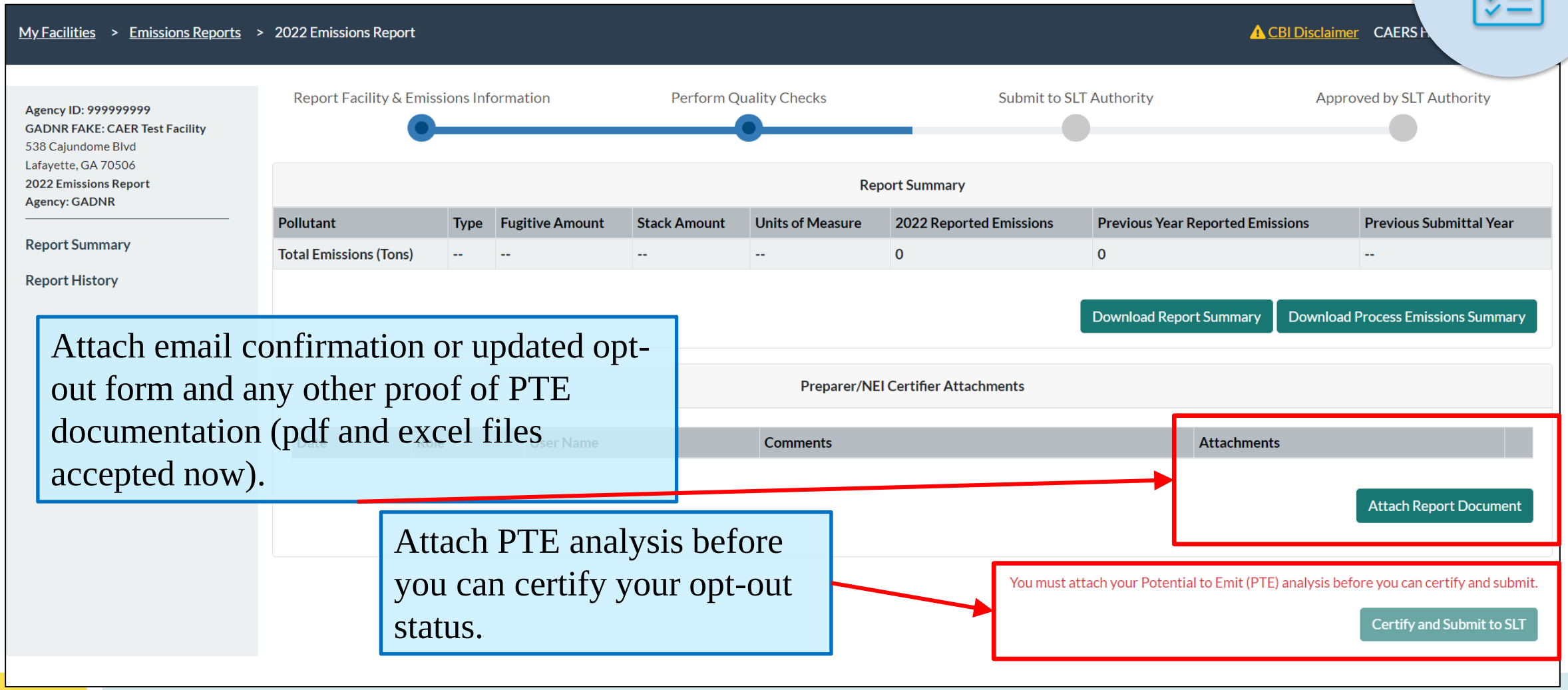
Cancel | Proceed

During an annual year, lead (Pb) is not a reporting threshold but still needs to be reported.

Answering "Yes" to the second question:

- Statement appears that summarizes your selection and next steps.
- This will send you to a screen that requires an attached opt-out form found in GECO.

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.

CAERS – OPT IN

Facility Emissions Thresholds

Pollutant	Annual Threshold (in Tons per Year)
Sulfur Dioxide (SO2)	Potential to emit ≥ 2500
Volatile Organic Compounds (VOC)	Potential to emit ≥ 250
Nitrogen Oxides (NOX)	Potential to emit ≥ 2500
Carbon Monoxide (CO)	Potential to emit ≥ 2500
Primary PM2.5. As applicable, also report filterable and condensable components.	Potential to emit ≥ 250
Primary PM10. As applicable, also report filterable and condensable components.	Potential to emit ≥ 250
Ammonia (NH3)	Potential to emit ≥ 250

Is the facility below ALL of the thresholds listed?

- ○ Yes
- ◉ No

Cancel | Proceed

Submit to begin 2024 EI.

GEORGIA QA

GEORGIA 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
- **Control units**
  - Applicable permit and previous CAERS entry
  - Assure that all controlled pollutants are listed with both the control device and control path.

GEORGIA QA – EMISSIONS DATA

- **SCC Code Specificity**: Replace general SCC with a more specific code to better represent emission process
- **Zero throughput and emissions** for operating process should be marked as temporarily or permanently shut down.
- Check reasons for **significant facility-wide emissions change** in CAP and HAP totals
  - 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

GEORGIA QA – EMISSIONS DATA

Process level emissions calculation checks for **correctness and reproducibility**

=[@[throughput Value]]*[@[emissions Factor]]/2000

pollutant Name	total Emissions	Emissions Check	apportioned Emissions	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	0.8395811	0.839620	0.8395811	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 Numerator	pollutant Name
Recovery Furnace #1	BLS	Recovery Furnace #1: BLS Combustion	30700110	Black Liquor Solids	715560	TON	Black Liquor Solids	715560	TON	5400	BTU	PM Condensible
Recovery Furnace #1	BLS	Recovery Furnace #1: BLS Combustion	30700110	Black Liquor Solids	715560	TON	Black Liquor Solids	715560	TON	5400	BTU	Nitrogen Oxides
Recovery Furnace #1	BLS	Recovery Furnace #1: BLS Combustion	30700110	Black Liquor Solids	715560	TON	Black Liquor Solids	715560	TON	5400	BTU	Lead
Recovery Furnace #1	BLS	Recovery Furnace #1: BLS Combustion	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

Copy Fuel Data to Throughput Data Fields

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 QA – EMISSIONS DATA

- **Emissions factors, throughput values, operating hours, etc should** be entered into CAERS
- **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 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 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)

Combustion process should use in-process fuel SCC

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

Reviewer Comment:

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

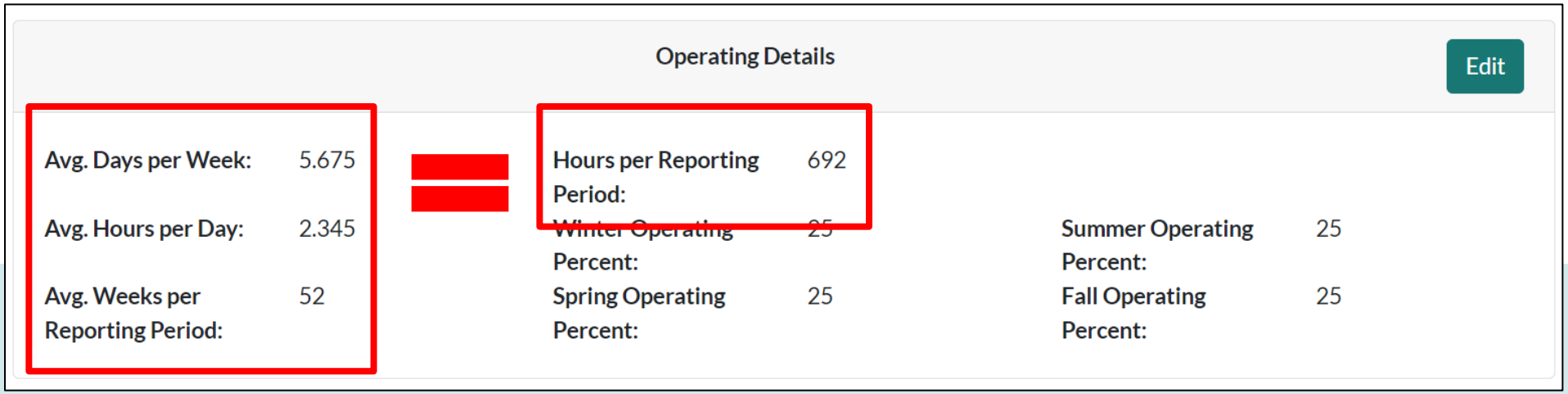
Download the complete SCC list.

Download List 3.69Mb CSV File

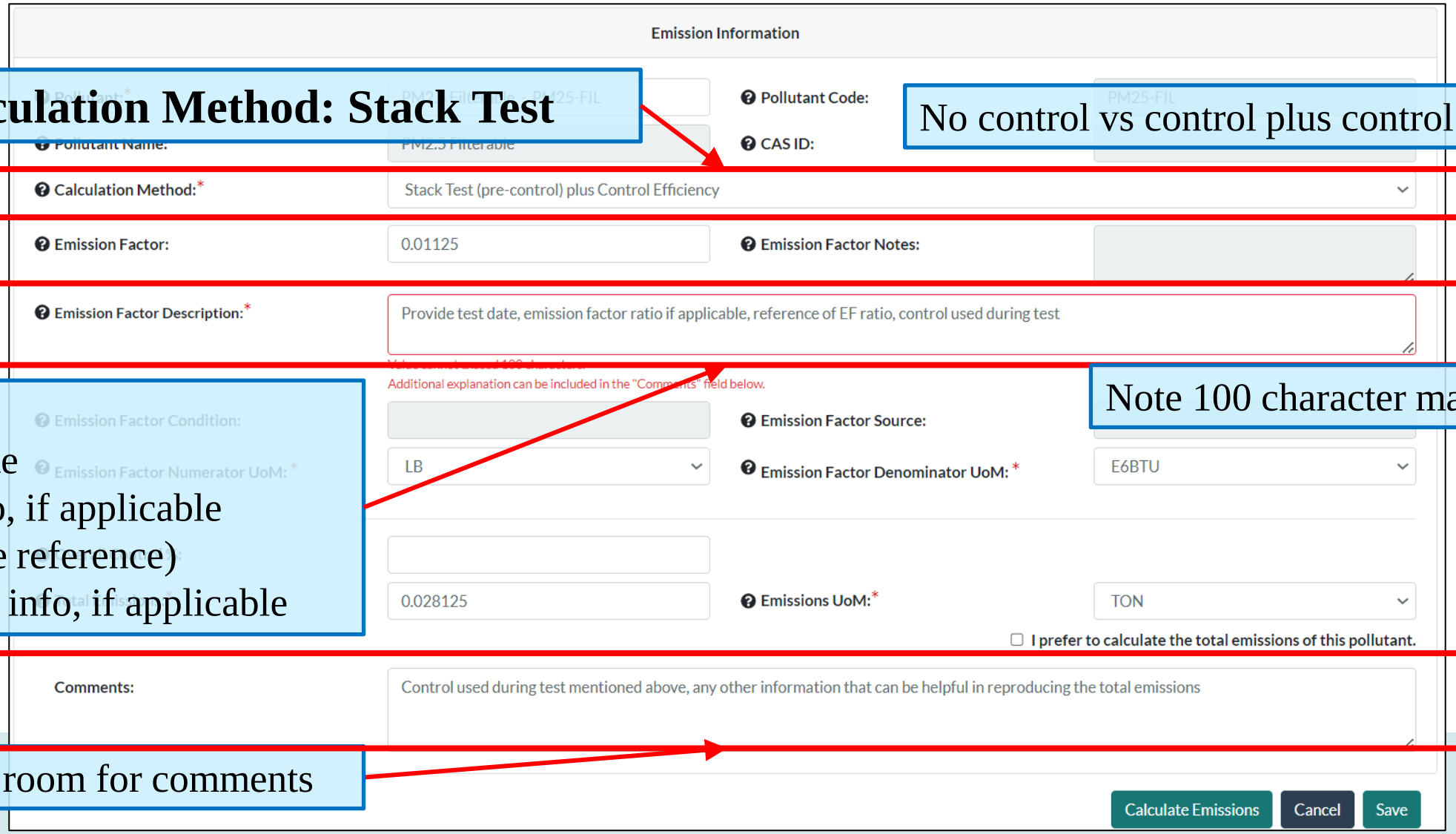
https://sor-scc-api.epa.gov/sccwebservices/sccsearch/

GEORGIA 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 QA – CALCULATION METHOD DOCUMENTATION (1)



Calculation Method: Stack Test

No control vs control plus control efficiency

Provide:

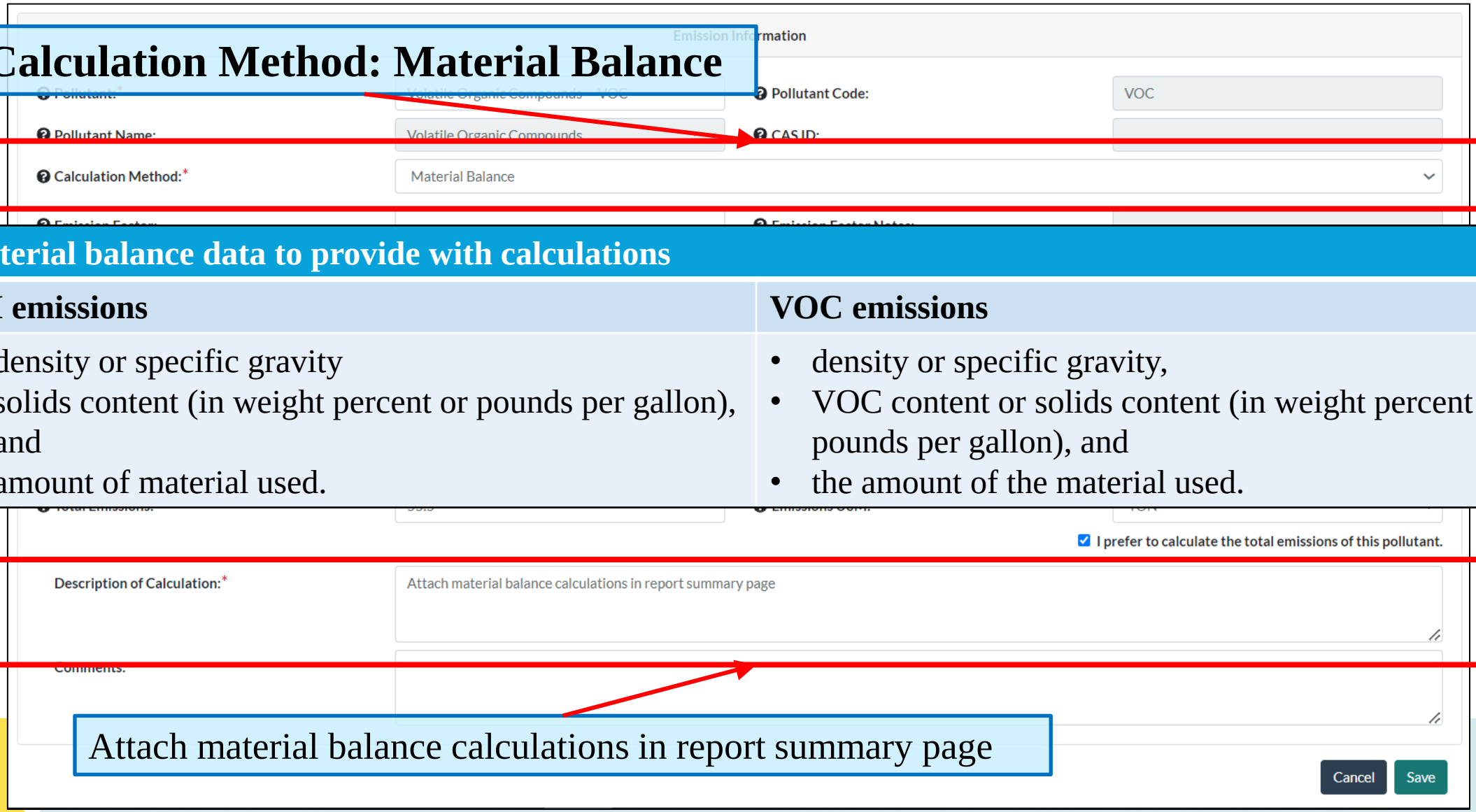
- Test date
- EF ratio, if applicable (include reference)
- Control info, if applicable

Note 100 character maximum.

Additional room for comments

GEORGIA QA – CALCULATION METHOD DOCUMENTATION (2)

Calculation Method: Material Balance



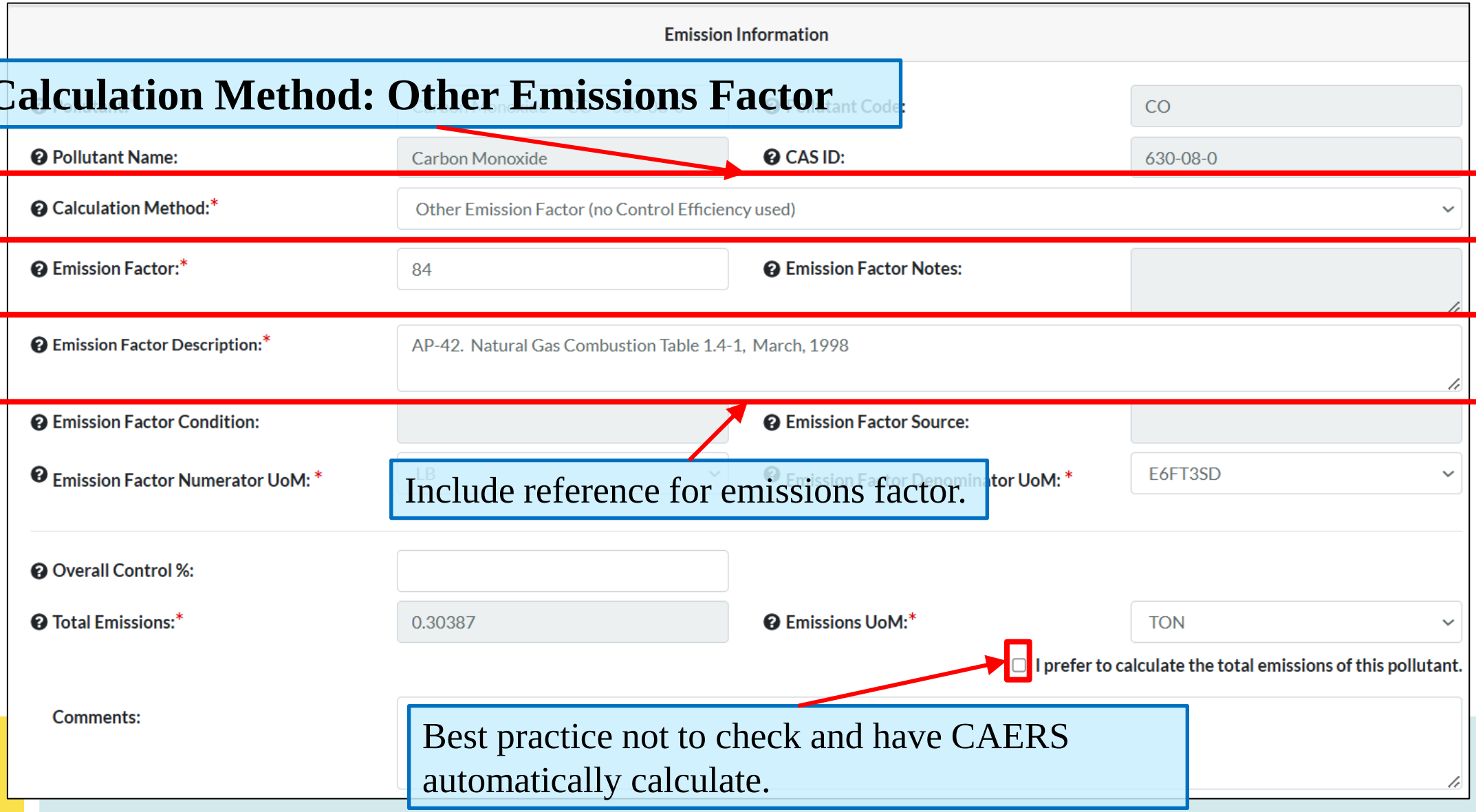
Material balance data to provide with calculations

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 QA – CALCULATION METHOD DOCUMENTATION (3)

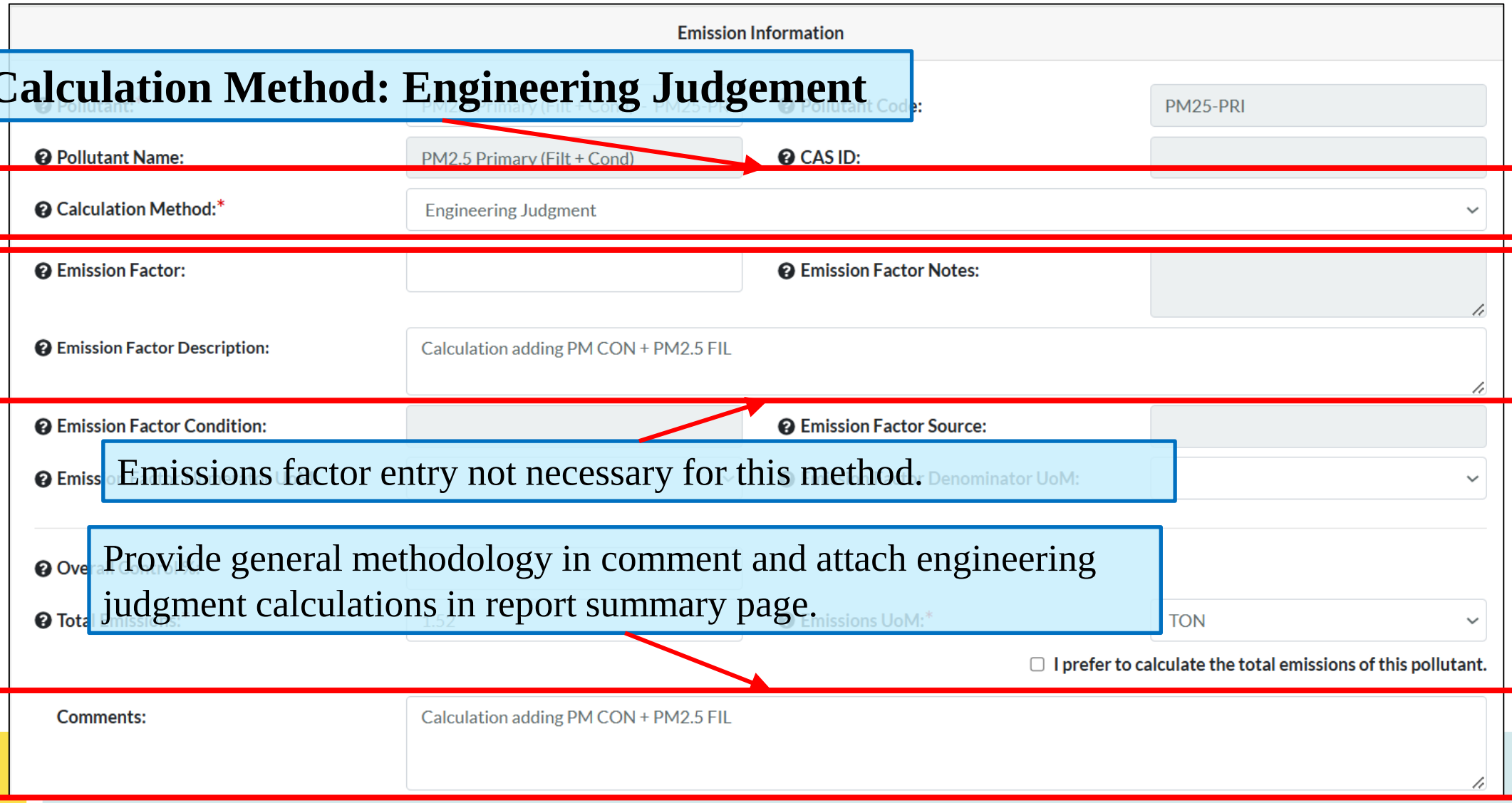
Calculation Method: Other Emissions Factor



Include reference for emissions factor.

Best practice not to check and have CAERS automatically calculate.

GEORGIA QA – CALCULATION METHOD DOCUMENTATION (4)



GEORGIA QA – COMMON WARNINGS

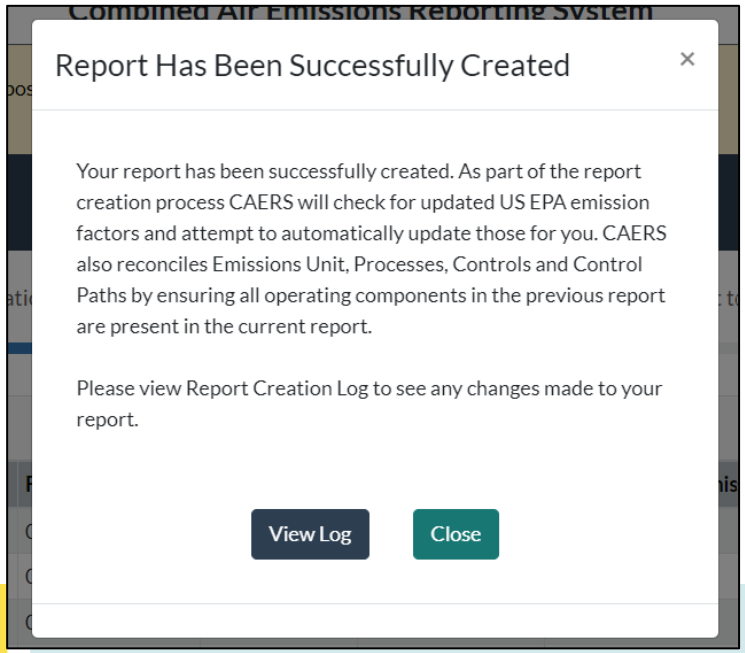
- **Reviewer will re-run the Quality Checks and review warnings**

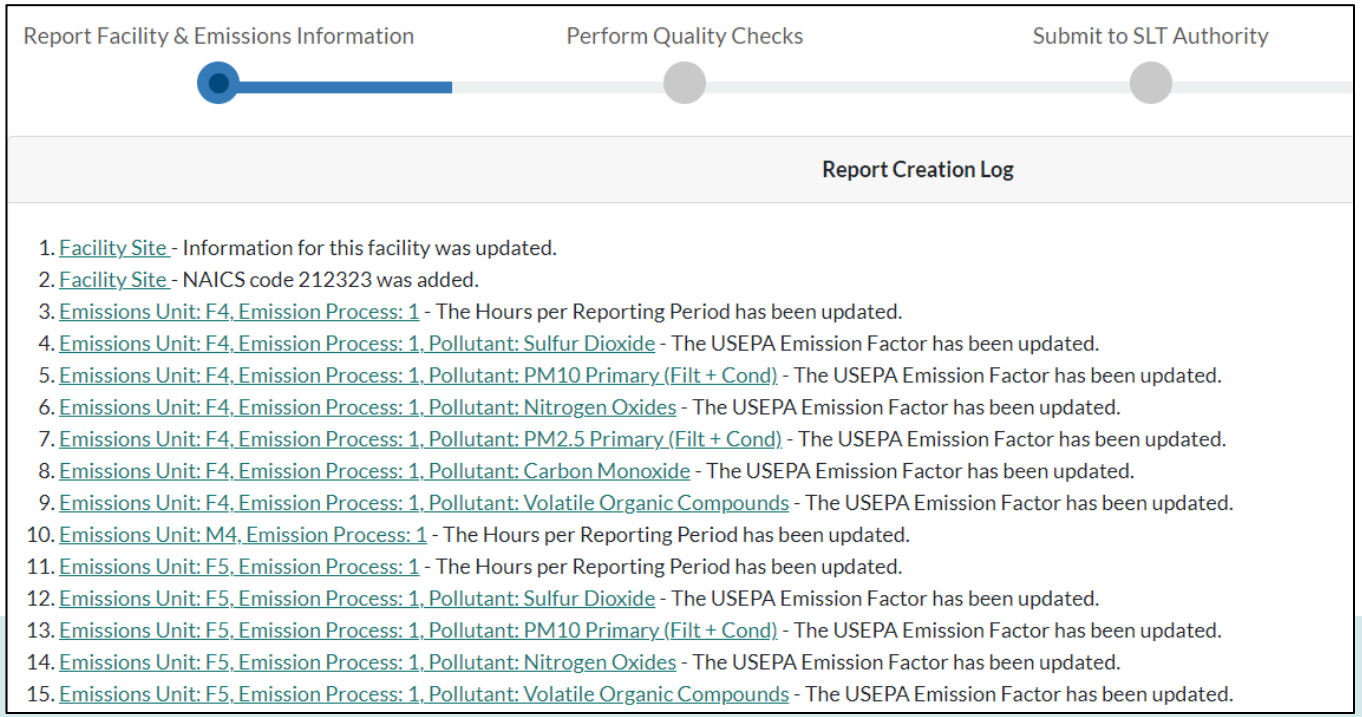
Warnings	Suggestions to avoid Warnings
Emissions same as previous EI submission.	Verify emissions are correct and update if necessary.
SCC changed for this process.	Confirm the SCC change is appropriate with GA EPD.
Multiple processes using SCC 39999999 appear different.	Review processes for SCC 39999999 to ensure to choose specific SCC matching the process
Multiple processes using the same SCC appear different.	Review processes for SCC to ensure differences are intentional and emissions are accurate.
Incorrect SCC for fuel throughput.	Confirm you are using the correct SCC for reporting fuel throughput.
Throughput 20% higher than previous report.	Re-check throughput calculations to ensure accuracy.
Missing geographic coordinate (SW Latitude/Longitude).	Provide both SW Corner Latitude and Longitude coordinates.
Control not assigned to Control Paths.	Assign the control to an appropriate Control Path.
Control Path not assigned to Release Point Apportionments.	Assign the Control Path to the relevant Release Point Apportionment.
Empty Control Path.	Add controls, children paths, and pollutants to the Control Path, or remove if unnecessary.

HELPFUL TIPS FOR 2024 EI SUBMITTAL

HELPFUL TIPS – REPORT CREATION LOG

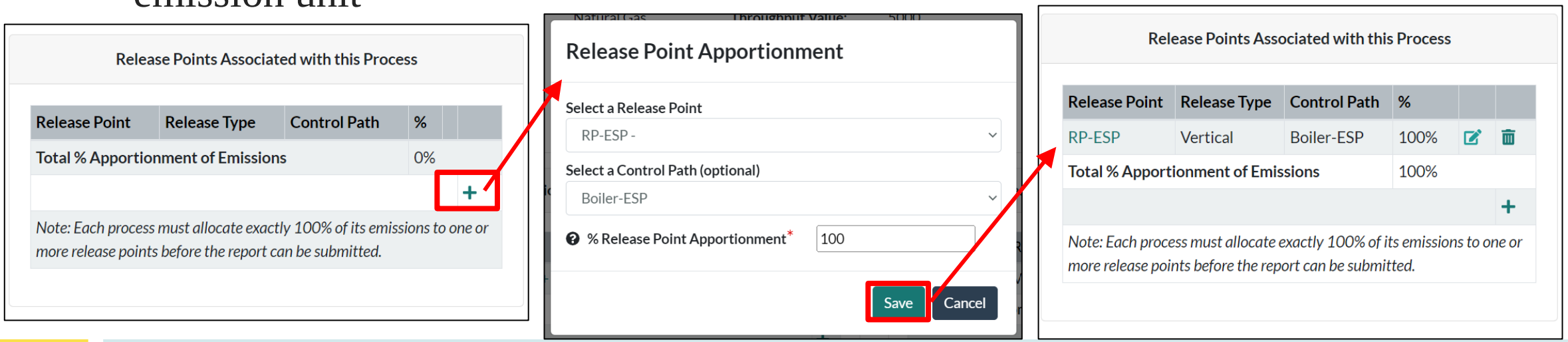
- Appears when first opening your report for the new EI year
- Provides insight on two types of changes that could have occurred:
  - EPA updates
  - Bulk upload template to CAERS user interface



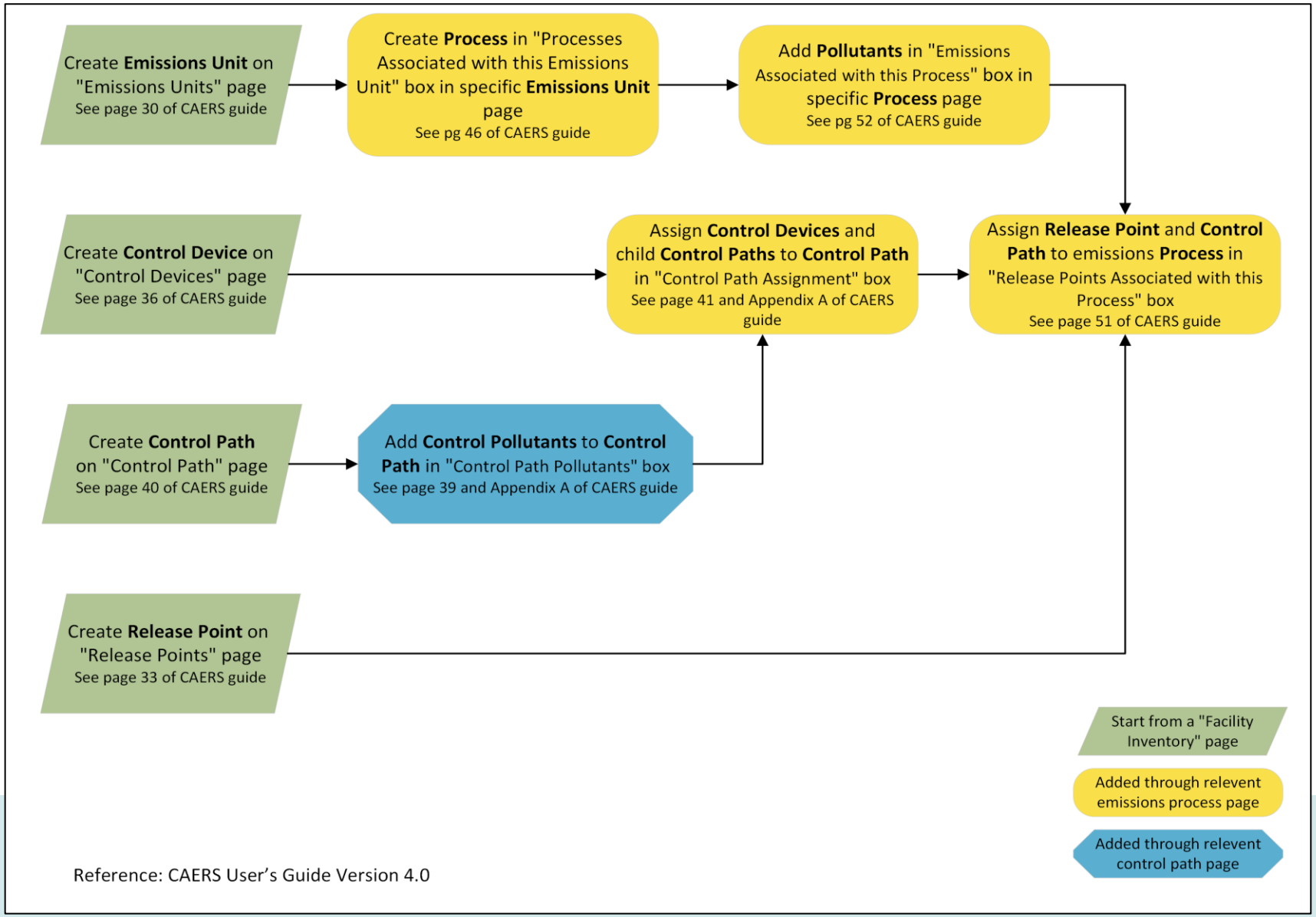


HELPFUL TIPS – ENTERING NEW EMISSION UNITS

- 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



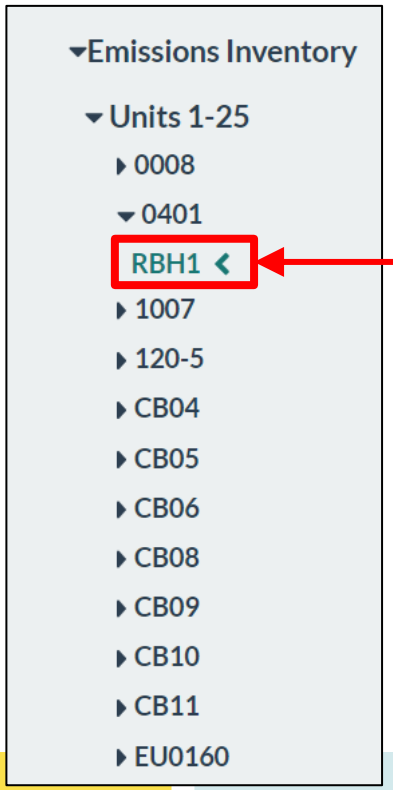
HELPFUL TIPS – ENTERING NEW EMISSION UNITS



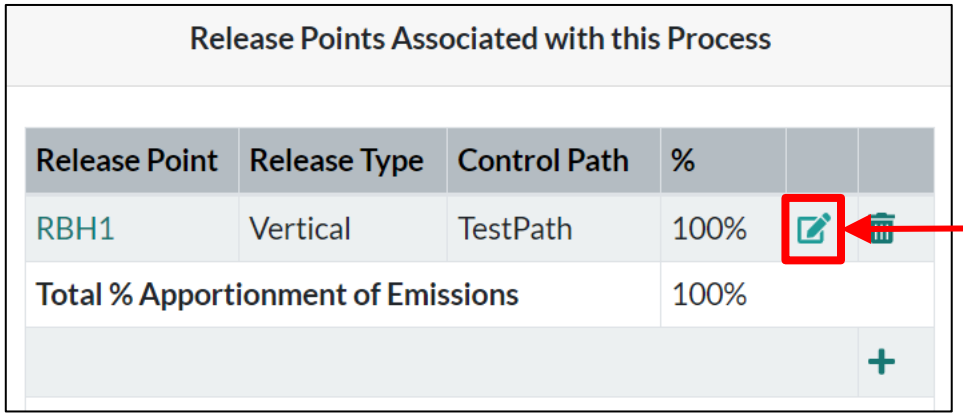
Reference: CAERS User's Guide Version 4.0

HELPFUL TIPS - CORRECT CONTROLS ERROR & WARNING

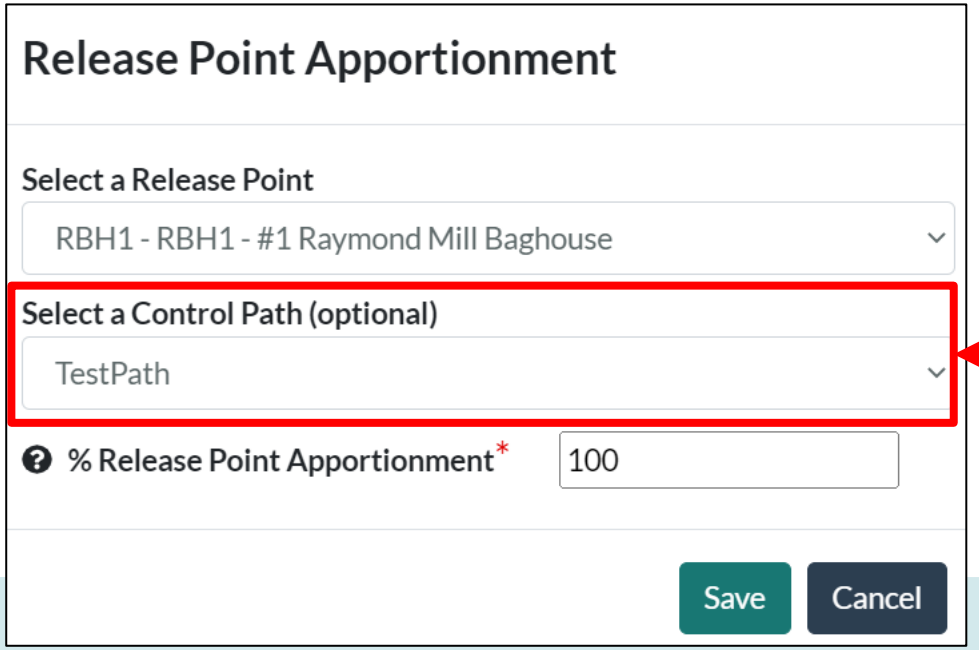
Controls are added to a device through the process page.



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



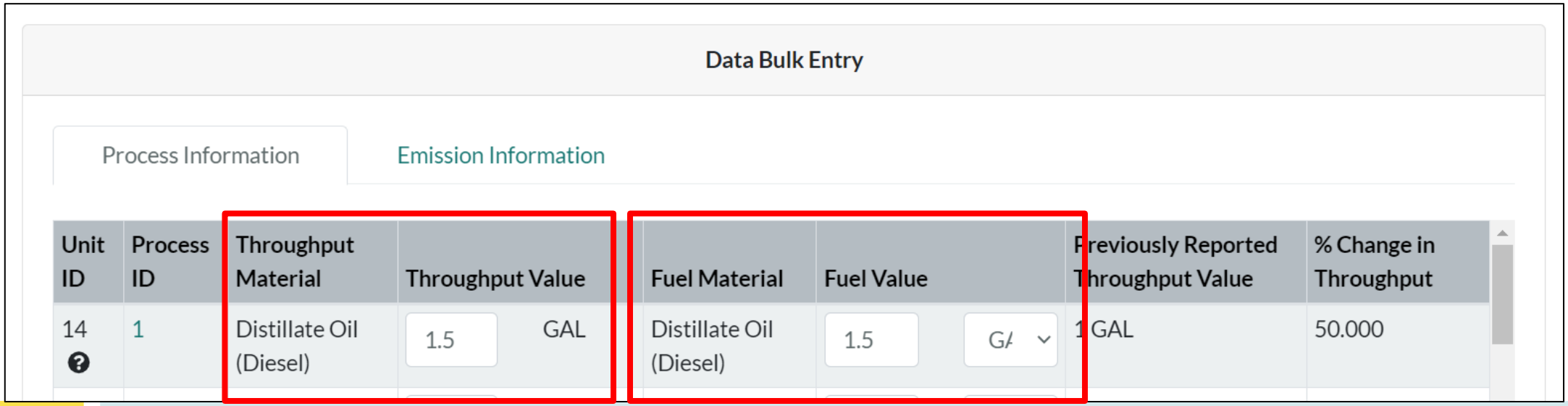
2. Find the "Release Points Associated" section and select the edit button.



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



FEEDBACK REPORT – ERRORS

Critical Errors need corrected	Correction Resolutions
Unit Type Code is a required field.	Review valid Unit Type Codes in CAERS and update to a valid code.
Path Control pollutant codes must be unique.	Re-check for duplicate Pollutant Codes.
Process status year must be valid for non-operating statuses.	Review emissions for the latest valid non-operating year.
Unit status year must be valid for non-operating statuses.	Review emissions for the latest valid non-operating year.
ControlPathDefinition needs at least one pollutant and device.	Add at least one pollutant and one control device.
Stack Release Point Dimensions Required.	Provide EITHER a) Release Point Stack Diameter OR b) Release Point Length AND Width if non-circular stack, in FT, from 0.1 to 100
User role cannot modify Release Point Type to Fugitive.	If Release Point Type changed, please contact EPD for updating type from Stack to Fugitive.
Design Capacity Unit of Measure Code must match valid codes.	Review valid Design Capacity Unit Codes on the EIS Gateway and resubmit with a valid code.

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

WHAT'S NEXT?

- **EPA Training (December 2024, January 2025)**
  - Welcome to CAERS for New Reporters: 12/16/24, 2:30 – 4 pm ET
  - CAERS EI User Interface: 1/16/25 3:30-5 pm ET
  - CAERS EI Bulk Uploading Template 1/21/25 1 -2:30 pm ET
  - CAERS EI Control Paths: 1/30/25 3-4:30 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 from Feb– July)**
- **There will be no extensions or Help Sessions after July 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