

ENVIRONMENTAL PROTECTION DIVISION

Georgia 2018 Point Source Emission Reporting

Stacy Allman Planning & Support Program Air Protection Branch Georgia Environmental Protection Division Point Source Emission Reporting Training Webinar



2018 emissions should be submitted to Georgia EPD by

June 30, 2019

- 1. Welcome and Logistics
- 2. What is new in 2018
- 3. Signing into GECO
- 4. Inputting the FI
- 5. Inputting the EI
- 6. Help Files and Restarting
- 7. Submittal and QA
- 8. Questions





Please keep your phones/computers muted until asked for questions.

Regulations requiring EPD collect the Emissions Inventory

- 1. Required by federal regulation 40 CFR Part 51 Air Emissions Reporting Requirements (AERR) and EPA Air Planning Agreement
- 2. GA EPD collects the annual emissions inventory under authority of Georgia Rule 391-3-1-.02(6)(b)(1)
- 3. States are required to report 2018 <u>actual</u> point source emission data to EPA by <u>December 31, 2019</u>.

EPD collects the Emissions Inventory via the Georgia Environmental Connections Online (GECO) Tool. Applicability is based on potential emissions; reporting is based on actual emissions.



2018 NEI PARTICIPATION AND THRESHOLD

- 1. All Part 70 Major Sources are subject.
- 2. Exceptions
 - Permitted but not constructed
 - Federally Enforceable Permit Limit
 - e.g., Synthetic Minor (SM) sources or Major HAP sources
 - Shutdown during the entire Calendar Year:
 - 2018 Emission Thresholds by Pollutants

Pollutant	Thresholds (tpy)
SO ₂	2,500
VOC	250
NO _x	2,500
CO	2,500
PM ₁₀	250
PM _{2.5}	250
NH ₃	250



NEW FOR 2018 EI – PART 1

- EPD-IT requires email verification for GECO accounts • ECSU can no longer reset passwords
- Fuel Units must match SCC designations (hours are no longer accepted as unit of measure for fuel)
- Engineering Judgment requires you to send in supporting documentation (your calculations and factors)
- If there is a change of more than 20% in your TPY of any pollutant you will be asked to send an email explaining the change to EPD (this is to verify data quality)
- Range checkers have been added to restrict input data to match the ranges that EPA will accept. If you enter a number outside of the approved range you will receive a red error message telling you what the allowable range is.
- GA is pilot state for CAER CEF project.



• Co-location question is added.

Remember that the numbers pertain to potential emissions, except for lead. The threshold for lead (Pb) is now based on actual emissions.

Pollutant	Threshold (tpy)	Below Threshold?
SOx	2500.00	Yes ONo
VOC	250.00	Yes O No
NOx	2500.00	• Yes • No
CO	2500.00	Yes ONO
PM10	250.00	Yes ONo
PM25	250.00	Yes O No
NH3	250.00	• Yes • No
Pb		○ Yes ○ No

Select a response for all pollutants.

Type	optional	comments	here

Clicking "Submit" below and submitting this form is certification that the facility's potential emissions are as described by the selections in the table above. Depending on the responses the facility may or may not have to participate in the Emissions Inventory process for the 2018 calendar year.

The facility will not participate in the Emissions Inventory process for 2018.

If your facility has any co-located facility, please select Yes.	Is your facility colocated with another facility?
	€ Yes ⊖ No

What facility are you colocated with? Please provide name and AIRS # of colocated facility. Your facility and/or the colocated facility will be contacted by the Air Protection Branch about possible EI submittal.

Facility Name: Ford Inc.	Please enter co-located Facility
Airs Number: 12100364	Name and its AIRS Number.

Click Submit to continue or Cancel to make changes above.

Cancel

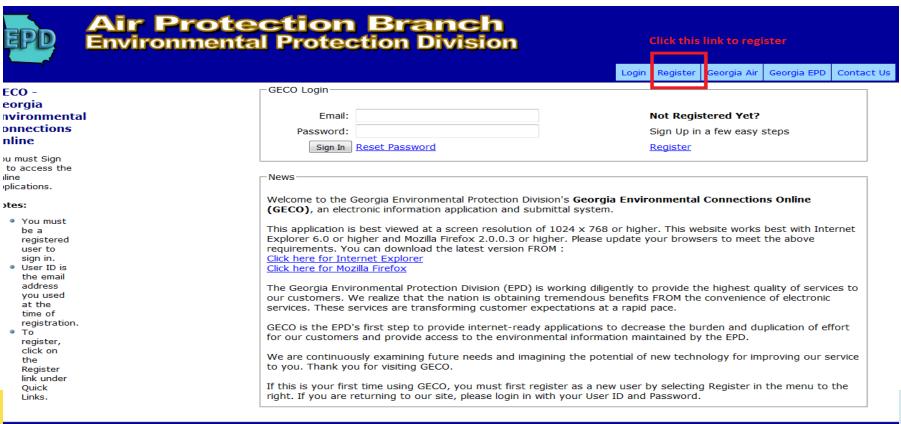
Submit



Go to https://geco.gaepd.org/

If you already have an account---Sign in (you will be asked to verify your email)

If you do not have an account – Click the Register button and create an account

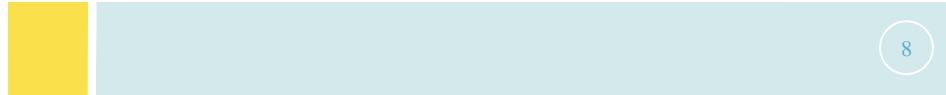




If you are a returning user – Once signed in you should see your facility

New Users will need to request access to their facility using the hyper link on the home page.

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🗶 Most Visited 🛛 🛞 Getting	Started Latest Headlines							
password.		Houston County LFGTE Generation Plant	15300057			1		
		International Paper - Augusta Mill	24500006			1		
		International Paper Company - Port Wentworth Mill	05100010					
		OWENS BROCKWAY GLASS CONTAINER INC.	12100020	\checkmark		\checkmark		
		Rayonier Performance Fibers, LLC	30500001					
		Talbot Energy Facility	26300013	\checkmark		\checkmark		
		Thermal Ceramics	24500005					
		USAF ROBINS AIR FORCE BASE	15300033			V		
		The EIS will soon be available for use to sui correspondence in the mail advising if EPD to more information, use the "Reque more information. Please remember the following requirements • Participation in the annual emission in defined thresholds. The 2017 E is ar emit, please use the PTE Guidelines.	s. See <u>Air En</u> ventory is ba	facility need a facility" link nissions Rep ased on a fac a collection y	is to participate. above. Visit th orting Requirem cility's Potential I ear, therefore ti	If you do not ha e <u>EIS Information</u> ents for more det to Emit equaling of he number of facil	ve access to y web page for tails. or exceeding th lities required t	e o
		 The deadline to submit the Emissions 	Inventory fo	or calendar ye	ear 2017 is Jun	e 30, 2018.		
		2017 Emission Fees The 2017 Emission Fees Process will begin you need any assistance with the Online Fee field on the form, "Online Applications - Fee Protection Branch. If you need to make an amendment to any	e Ápplication ". This is the past fee sub	n, please see e most efficie omittal, pleas	the Contact Us nt way of conta e select the app	link and indicate i cting the correct	n the "Regardi staff at the Air IRS number,	ng"
		The 2017 Emission Fees Process will begin 2 you need any assistance with the Online Fe field on the form, "Online Applications - Fee Protection Branch.	e Application ". This is the past fee sub ind select th file. The Fee	, please see most efficie omittal, pleas e Supporting Calculation V	the Contact Us nt way of conta e select the app pocuments tal	link and indicate i cting the correct propriate facility A b. The Fee Admer	n the "Regardi staff at the Air IRS number, itment form is	ng"





- On the Home Page
 - List of facilities associated with your account
 - Click on the AIRS Number for the facility
- On the "Online Application Status" page
 - Summary of applications that a facility should work on
 - Click on "Emissions Inventory" to report 2018 emissions
- Answer Participation Questions to "Opt-IN" or "Opt- OUT"
 - Did the facility operate any portion of the calendar year
 - Is the facility SM or Major for HAPs
 - Did the facility surpass the PTE emission thresholds
 - Does the facility co-locate with another facility?
 - If co-located what facility (name and AIRS) is your co-facility



SIGNING INTO GECO

Always available for editing except during Home the EPA Submittal. Facility Inventory Prepopulated with the most recently Facility & Contact Info submitted facility information. Release Points Emission Units Only available for editing during specific Processes Reporting Period Event. Emission Inventory Facilities can choose to pre-populate the EI Emissions Reporting Process Bulk Entry data with data from your most recent submittal during the participation Pollutant Bulk Entry Submit EI determination process. Reset EI Data Help & Reports Detailed help information for FI and EI Facility Inventory Help reporting Emission Inventory Help Reports for data submitted Reports

EIS Change Log

EIS system change log

What is the Facility Inventory?

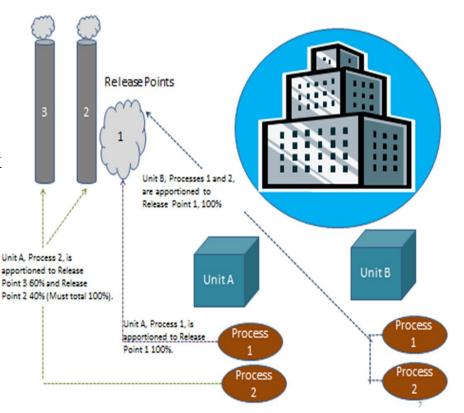
Physical assets of the Facility

- Site-level information and location
- Emissions Units
- Release Points Two types
 - Stacks single emission release point site
 - Fugitives- release point area (e.g. tank or conveyors)

Operational Assets of the Facility

- Processes
- Control Approaches

FI does not change much from year to year





- Physical pieces of equipment, usually a Title V Significant Emission Unit.
 - Consistent with unit information in permit (Section 3.1)
- FI does not readily allow for Emission Unit Groups
- Emission Unit Control Approach

Emission Unit Details - GECO F >	< +						×
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Home Facility Inventory Facility & Contact Info	Emission Unit Details				Sum	nmary	
Release Points Emission Units Processes	Emission Unit		Add	uplicate		Edit	-
Emission Inventory Emissions Reporting Process Bulk Entry	Emission Unit ID:	500A					
Pollutant Bulk Entry Submit EI	Emission Unit Description:	Kiln No. 1					
Reset EI Data Help & Reports	Unit Type:	Mixer					
Facility Inventory Help	Operating Status:	Operating					
Emission Inventory Help Reports	Unit Placed In Operation:	12/01/2012					=
EIS Change Log	Comment:	This is a comment.TETEEteetet j					
	Last Submitted to EPA:	06/02/2010					
	Last Updated on:	04/13/2015 10:46am by Jing Wang					
	Emission Unit Control Approach					Edit	_
	Control Approach Description:	Mixer Control					
	Percent Control Approach Capture Efficiency:						
	Percent Control Approach Effectiveness:						
	First Inventory Year:						
	Last Inventory Year:						
	Control Approach Comment:						
	Last Updated on:	04/13/2015 10:47am by Jing Wang					
	Emissions Unit Control Measures						
	Control Device Last EPA Submit	tal					-



- Using Source Classification Codes (SCC)
 - Cascading-dropdown for SCC selection
- Release Point Apportionment
- Emission Process Control Approaches

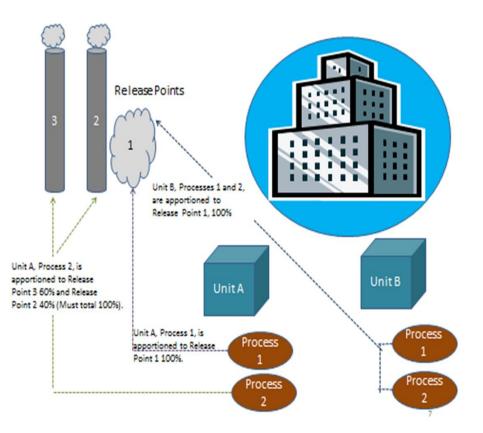
Process Details - GECO Facility >	< +							×
(+ + @ geco.georgiaair.org/EIS	/process_details.aspx?eu=500A&ep=1	V C Search	☆ 自		+	俞	9	=
Facility & Contact Info Release Points Emission Units Processes Emissions Reporting Process Bulk Entry Pollutant Bulk Entry Submit El Reset El Data Help & Reports Facility Inventory Help	Process Emission Unit ID: Emission Unit Status: Emission Unit Description: Process ID:	500A Operating Kiln No. 1 1			Add	1 E	īdit	
Emission Inventory Help Reports EIS Change Log	Process Description: Source Classification Code: Process Comment: Last Submitted to EPA: Last Updated On: Release Point Apportionment Information	Lumber dried 30901007 12/20/2012 03/01/2013 12:51pm by Noel DoHarris						
	Release Point ID Release Point Description F	telease Point Type Apportionment % Las /ertical 100%	t Submiss	ion to	EPA		Edit)	- F
	Volatile Organic Compounds Annual	ype 2014 2013 2012 2011 2010 No Data No Data 12.5 No Data 5 Summary						_
	62005 • Georgia Environmental Protection Div	ision, Air Protection Branch • All rights reserved						-

- Control Approach describes the method in which pollutants are controlled by defined measures for an emission unit or a process
 - Control Measure: List of control devices or technologies used in a control approach
 - Control Pollutant: List of pollutants controlled by a control approach
- An Emission Unit can NOT have both a process and an emission unit control approach
 - An Emission Unit Control Approach applies to all Processes related to an emission unit
 - An Emission Process Control Approach applies to only the specific Process

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- Allows for multiple Release Points to be added to a process based on a percentage
- The total percentage of all Release Points for a <u>process</u> should be 100%
- On the "Process Details" page, additional Apportionments can be added





Facility and Contact Information

Facility Details - GECO Facility Inven 🗙	+	
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🔅 Most Visited Getting Started	latest Headlines	
		·
Air Protection		
Welcome, Stacy Allman Airs N Facility: Durango-Georgia Paper		Facility Home My Home Contact Us Sign Out
Home Facility Inventory Facility & Contact Info	Facility Details	Edit All Info
Release Points Emission Units	Facility Name and Address	=
Processes Help & Reports	Facility Site Name:	Durango-Georgia Paper Company
Facility Inventory Help Emission Inventory Help Reports	Facility Site Address:	4244 International Parkway Suite 120-test
EIS Change Log	Facility Site City:	ATLANTA
	Physical Location State:	GA
	Facility Site Zip Code:	30354
	Facility Mailing Address	
	Facility Mailing Address:	123 St Mary's Road-test
	Facility Mailing Address City:	St Marys
	Facility Mailing Address State:	GA
	Facility Mailing Address Zip Code:	31558
	Comment:	test comment with apostrophe - Test's test
		li.
	Last Submitted to EPA: Last Updated On:	
		2017-09-14 11.49.50 by Jing Wang
	Facility Description	
	Description:	Kraft Pulp Mill
	Facility Operating Status:	Operating as reported in 2016 *Status pertains only to Emissions Inventory
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• Release Points, Emissions Units, and Processes

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lity Inventory	Active	ugitive <mark>Release I</mark>	Points						Add
y & Contact Info se Points									Add
ion Units	Fugitive I	D Fugitive Descripti	on Operating Status	Last EPA Submittal					
sses & Reports	<u>999TES</u>	DSFS	Operating						
y Inventory Help	CV01E	Eugitive from convey	ors Temporarily Shutdown						
ion Inventory Help ts	FUG100	test fugitive	Temporarily Shutdown						
	FUGBG	TEST	Temporarily Shutdown						
EIS Change Log	FUGNEW	Test Fug	Temporarily Shutdown						
	FUGSTK	test	Operating						
	<u>ST999</u>	Desc	Temporarily Shutdown						
	STTEST	Desc	Temporarily Shutdown						
	TEST01	Test	Temporarily Shutdown						
	TEST06	Test	Temporarily Shutdown						
	TESTFU	desc	Temporarily Shutdown						
	TESTIN	description	Temporarily Shutdown						
	Active	tack Release Poi	nts						
									Add
	0. L ID								
	Stack ID 501A	Stack Description Kiln No. 1 Stack Test	Release Point Type Sta Vertical	200.0	0.8	Operating Status	6/2/2010		
		Kiln No. 2 Stack	Vertical	102.0	54.0	Operating	6/2/2010		
		duplicated description	Vertical	35.0	36.7	Operating	0/2/2010		
		Kiln No. 3 Stack	Vertical	35.0	0.1	Operating	6/2/2010		
		The big stack	Vertical	19.0	9.4	Operating			
		dup comment 2	Vertical	35.0	33.0	Operating			
	DUPTST		Vertical	5.0	15200.0	Operating			
		Testing for errors	Vertical	75.0	1200.0	Operating			
		Test Augusta	Horizontal	290.0	600.0	Operating			
		Test RP error check	Vertical	75.0	502.0	Operating			
		Desc	Vertical	80.0	248.0	Operating			
								1	



INPUTTING FACILITY INVENTORY (FI)

Points to remember

- If pre-populating data, make sure to review all data to mask sure it conforms to current EPA requirements and GECO ranges
- The web tool is designed to show summary information first. You need to click individual links to see details, and then edit to change information.
- If changing information, remember to save changes!!!!

- All emissions and operational information associated with a process is reported in the EI.
 - Emissions for all EI pollutants
 - Operating details (such as throughput)
 - Supplemental calculation parameters
- Reporting period: Annual (calendar year)
- Information usually changes from year to year



- Click "Emissions Reporting" to add emission processes in the 2018 reporting period
 - Prepopulate or Add
 - Report emission inventory and process operating details for each process
 - Note: Check All pre-populated data for accuracy

<u>Home</u>

Facility Inventory
Facility & Contact Info
Release Points
Emission Units
Processes
Emission Inventory
Emissions Reporting
Process Bulk Entry
Pollutant Bulk Entry
Submit EI
Reset EI Data
Help & Reports
Facility Inventory Help
Emission Inventory Help
Reports

EIS Change Log

Process Reporting Period Summary

Processes in the 2016 Reporting Period

Emission Unit ID	Process ID	Process Description	Control Approach	Last EPA Submittal	
500A	<u>10</u>	<u>Kiln - Oil</u>	Unit	Not Submitted	Remove

Processes NOT in the 2016 Reporting Period

Emission Unit ID	Process ID	Process Description	Control Approach	Last EPA Submittal		
500A	1	Lumber dried	Unit	12/20/2012	Add	Prepopulate
500A	1A	test	Unit	Not Submitted	Add	Prepopulate
5 00A	2	test	Unit	Not Submitted	Add	Prepopulate
500A	56	test	Unit	Not Submitted	Add	Prepopulate

- Summary page lists all processes in the FI
 - Processes in the 2018 Reporting Period
 - Processes not in the 2018 Reporting Period
- New processes added to the FI for the first time
 - Need to be added to the 2018 reporting period individually

Reporting Period Summary - G.	× \+								×	
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Air Protectic		ch		Facility Home	My Home T	raining	Contact Us	Sign Out		
Facility: Durango-Georgia Pap		_			My Home	anning	Contact Us	Sign Out		
Home Facility Inventory	Proces	s Repo	rting Period	Summary						
Facility & Contact Info Release Points	Processes	Processes in the 2014 Reporting Period								
mission Units Processes	21 ⁻				Last EPA					
mission Inventory	Emission U	nit ID Proces	s ID Process Descriptio	on Control Approach	Submittal					
rocess Bulk Entry ollutant Bulk Entry	500A	1	Lumber dried	Unit	Not Submitted	Remov	e			
ubmit EI	500A	2	test	Unit	Not Submitted	Remov	e		4	
telp & Reports acility Inventory Help mission Inventory Help eports	Processes	NOT in th	e 2014 Reporting	Period					_	
EIS Change Log	Emission U	nit ID Proces	s ID Process Descriptio	n Control Approach	Last EPA Submittal					
	500A	10	Kiln - Oil	Unit	Not Submitted	Add	Prepopulate			
	500A	1A	test	Unit	Not Submitted	Add	Prepopulate	•		
							r			



- Process Operating Details
 - Calculation Parameter Type
 - Actual Annual Throughput Activity
 - Material Processed or Fuel Used
- Daily, Weekly, Annual Information
- Seasonal Operational Percentages
- Fuel Burning Information
 - Please check previous fuel types (we have had item, glass, finished product and raw material entered into this field in the past)
 - Please make sure your unit matches your fuel (cords do not match Natural Gas)





- Georgia EPD requires reporting the following information to verify reported emissions.
 - Together with annual throughput data
 - Emission Calculation Method
 - EPA requests that stack test data, material balance, or other site-specific information is used before emissions factors
 - Emission Factors
 - Need to report emission factors and their source if they are used to estimate emissions
 - EPA online emission factor database WebFIRE available at <u>http://cfpub.epa.gov/webfire/</u>, Need a valid SCC to search





- Click "Process Bulk Entry" to enter 2018 throughput quantities for the processes described by the indicated emission unit and process IDs.
 - Note: To change the throughput unit you must visit the Edit Process Operating Details page
- Click "Pollutant Bulk Entry" to enter 2018 emissions quantities for the processes described by the indicated emission unit and process IDs
 - Note: emission quantities entered are in tons per year

Summer day Emissions (15 county non-attainment area)

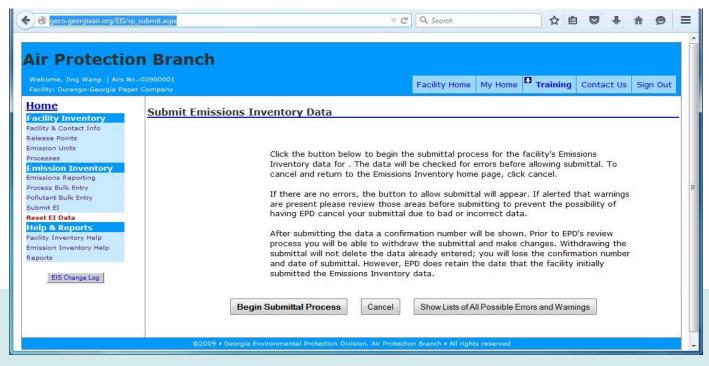
- Defined VOC and NOx Summer-Day Emissions for Metro-NAA as the average daily emissions of VOC or NOx for the period May 1 through September 30 (153 days)
 - If process operated every day during this period, the average daily emissions = (total emissions for May 1 September 30)/(153 days).
 - If a process operates less than every day during this period, the average daily emissions = (total emissions for May 1 September 30)/(number of operating days from May 1 September 30).
- Submittal Checks for Summer day emissions
 - If a process operates during the summer months and emits VOC or NOx and does not report summer day emissions an error will be reported.





SUBMITTAL AND QA

- To identify errors/warning before final submission by a facility
 - Click "Submit EI", begin submittal process this will give you this list of errors/warnings for your facility
- Errors are required to be fixed before final submission
- A "warning" refers to an issue that may need to be addressed, but not required to be fixed before final submission.





SUBMITTAL AND QA

Improved quality of data Elements used for emission calculation

- Georgia EPD plan to calculate emissions using reported data elements
 - Emission Calculation Method
 - Emission Factor
 - Actual Annual Throughput
- These data elements are required to be reported by the 2015 AERR final rule.
 - Both values and units
- Guidance in Emission Inventory Help of GECO EIS
- Contact us if you have more questions



CONTACT INFORMATION

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