

Combined Air Emissions Reporting System (CAERS) Welcome to CAERS for NACAA

October 17, 2022

Disclaimer

Any data or facility information shown in the training, is illustrative only, and should not be confused with a facility's live report for any given inventory year.

What is CAERS?

Combined Air Emissions Reporting System (CAERS): an application that allows:

- industry from subscribed State, Local, or Tribal authorities (or SLTs) to report their air emissions so industry you can:
 - Meet SLT-specific air emissions reporting requirements
 - Report annually or triennially to Air Emissions Reporting Rule (AERR per 40 Code of Federal Regulations or CFR, Part 51) via your SLT.
 - Optionally, get a head start on Toxics Release Inventory (TRI) air toxics emissions (per 40 CFR, Part 372), to be finished in TRI-MEweb
- SLTs to meet their AERR requirements

Industry works with their SLT to determine if they should report.

CAER User Roles - Preparer

Is authorized to prepare an emissions report for that facility (e.g., consultant, staff person working for the facility).

- There may be more than one preparer for a facility (each with an account associated with the facility). If submitting HAPs data for TRI within CAERS, this could include the TRI preparer.
- There may be a single preparer for more than one facility (with an account associated with several facilities).
- A preparer cannot fulfill the same role as the Certifier, not authorized to certify and submit the report on behalf of the facility.

CAERS User Roles - Certifier

Can prepare the emissions report and is also authorized to certify the emissions report to meet your legal obligation for reporting to your SLT.

- There may be only *one* Certifier for a facility.
- There may be a single Certifier for more than one facility (multiple facilities associated with the certifier account).
- The Certifier can also be the preparer (only one CAERS account needed).

Total toxics air emissions are made available for TRI-MEweb once the facility has certified the report in CAERS. Certification of the report signals to CAERS that the report is complete, but it is not a certification of the TRI submission. Toxics air data is certified in TRI-MEweb, not CAERS.

Home	About	Recent Announcements	Terms and Conditions	FAQ	Help	Virtual Assistant	
CDX MyCDX	Centr	My Profile Submission	History Payment Histor	ry E-En	terprise	Contact Us Logged in as JSMITH (L Portal	<u>og out)</u>
		Services		Manage		CDX Service Availability	
<u>Sta</u>	atus 🕈	Program Service Name CAER: Combined Air Emissions	Reporting NEI Certifier		See	e the status for all program services	
-		CAER: Combined Air Emissions	Reporting Preparer			News and Updates	
					No	news/updates.	
Add	Program s	Service Manage Your P	rogram Services				
EPA Home	Privacy an	nd Security Notice Accessibility	CDX Help Desk: 888-8 About CDX Freque	190-1995 (ntły Asked ((970) 494-: Questions	5500 for International callers	The state of the s

System Requirements

To use CAERS, you will need:

- A recent version of any internet browser such as Chrome, Explorer, Edge, or Firefox. Your internet connectivity will determine how fast data can be uploaded.
- Microsoft Excel: Bulk uploads will be in "XLSX".
- JSON upload forthcoming.

A CBI Disclaimer Help

	My Facilities		My Notifications
	Request Access to a New Facility		GADNR Announcement:
Agency ID: 99999999 Facility Inc. 123 Main Street Mytown, GA 12345 Agency: GADNR		Begin / Continue Reporting	Georgia 2021 El is due on June 30, 2022.
Agency ID: 12100364 Ford Motor Company 340 Henry Ford II Ave Atlanta, GA 30354 Agency: GADNR		Begin / Continue Reporting	

- Familiarize you with CAERS features but not exhaustive
- Detailed trainings on specific aspects of CAERS are forthcoming
- Go to the User Guide for more information (will be updated for March release)

- Three options for data entry:
 - User interface

CAERS Main Report Page



CAERS Emissions Unit Information Page

My Facilities > Emissions Reports > 2019 Emissions Report Help **Report Facility & Emissions Information** Perform Quality Checks Submit to SLT Authority Approved by SLT Authority Agency ID:12345678 FACILITY INC 123 Main Street Mytown, GA 12345 2019 Emissions Report **Emissions Unit Information** Agency: GA **Report Summary** F1A Unit Type Code: Boiler Operating Unit ID: Unit Status: Report History **Boiler for Test** 2014 Unit Description: Unit Status Year: 202 MILLION BTU PER Unit Design Capacity: Unit Design Capacity E6BTU/HR **UoM Description: Quality Checks** HOUR UoM: Comments: Data Bulk Entry Facility Inventory Processes Associated with this Emissions Unit **Controls Associated with this Emissions Unit** Facility Information **Emissions Units** Release Points SCC Control Process ID Description **Control Path** Control Devices 1 10300601 Ì Control Paths + Emissions Inventory ▶ F1A < F1B

CAERS Emissions Unit Information Edit Page



CAERS Drop Down Menu Example

× +			- 0 >
n.epacdxnode.net/cef-web/#/facility/2548311/report/256/emission	Aerated Grit Chamber		छ 🛧 🗿 🗯 🎲
Emissions Mod 🔇 www.gpo.gov/fdsys G Zmud "The effects	Aeration Basin	Subpart W Technica US U.S. G	Greenhouse Ga US Natural Gas and Pet ×
Com	Air Gas Furnace Anaerobic Digester		Preparer- JSMITH ; 🕒 Logout
ns Reports > 2019 Emissions Report	Atmospheric Refiner Batch Digester Belt Filter Press Black Liquor Oxidation System		<u>Help</u>
Report Facility & Emissions Information	Black Liquor Storage Bleach Storage Bleaching and Extraction Tower Blend Chest Boiler Bottoms Receiver Vessel Brown Stock Refiner	nit to SLT Authority	Approved by SLT Authority
🚱 Unit ID:	Calciner Chemical Reactor Chemical Recovery Combustion Unit	us:	Operating ~
🕑 Unit Type Code:	Boiler 🗸	🕑 Unit Status Year:	2014
Ounit Description:	Boiler for Test		
O Unit Design Capacity:	202	O Unit Design Capacity UoM:	E6BTU/HR ~
Comments:			

CAERS On-screen Quality Assurance Checks

Mytown, GA 12345								
2019 Emissions Report Agency: GA			Emissions	s Unit I	nformation			
Report Summary	Ounit ID:	PI01			• Unit Status:		Operating	~
Report History	O Unit Type Code:	Boiler		~	Unit Status Year:			
Quality Checks	• • • • • • • • • • • • • • • • • • • •				•		Status Year must be entered w	hen creating a new
Data Bulk Entry							unit or updating the unit's ope shutdown (temporary or perm greater than the last year of re	rating status. If anent), enter a year ported emissions
 Facility Inventory 							for this unit.	
Facility Information	Ounit Description:	Alternative fue	els power island					
Emissions Units Release Points	Ounit Design Capacity:	380			Ounit Design Capacity U	JoM:	E6BTU/HR	~
Control Devices Control Paths	Comments:							
Emissions Inventory								4
 ▶ F1A ▶ F1B ▶ PI01 < 							Canc	el Save
 VP01 VP02 VP02A 	Processes	Associated with this Emissions U	Init		Contro	ols Associated	l with this Emissions Unit	
► VP02B								
► VP02C	Process ID	SCC			Control De	scription	Control Path	
VP02D	NOX	10200912	Î					
VP02E	SO2	10200912	Ī					
VP02F								

CAERS Search Pop-Up Window

<u>My Facilities</u> > <u>Emi</u>	ssions Reports > 2019 Emissions Report					<u>Help</u>
	Select a Source Classification	n Code			×	TAuthority
Agency ID:12345678 FACILITY INC 123 Main Street (Mytown, GA 12345	Search for an SCC Code by any of the SCC https://ofmpub.epa.gov/sccwebservices/sc	Levels: 1, 2, 3, or 4, Text, Code Number, csearch/	Short Name, or Description	on. You can do a more extensive search at:		
2019 Emissions Report Agency: GA				Search		
Report Summary						
Report History					Cancel	~
Quality Checks	U		6	Process Status Year:		
Data Bulk Entry	Process Description:					
-Facility Inventory	Ø SCC:	10300601		Search for Source Classification Code		
Facility Information Emissions Units	SCC Description:	External Combustion Boilers > Co	mmercial/Institutional > N	Natural Gas > > 100 Million BTU/hr		
Release Points						
Control Devices Control Paths	Comments:					
★Emissions Inventor	y					
▶ F1A						11
 F1B PI01 					Cance	I Save

- Three options for data entry:
 - User interface
 - Bulk entry

CAERS Throughput Bulk Entry

/town, GA 12345								
agency: GA		Data Bulk Entry						
eport Summary	Proce	ess Information	Emission Inform	ation				
eport History								
uality Checks	Unit ID	Process ID	Throughput Material	Throughput Value	1	Previously Reported Throughput Value	% Change in Throughput	
ata Bulk Entry 🔇	PI01	NOX	Wood Waste	123.56	E3TO N	123.56 E3TON	0.000	
Facility Inventory acility Information	VP01	NOX1	Item	315435	E6BTU	315435 E6BTU	0.000	
nissions Units elease Points ontrol Devices	VP02	VOC1	Paper	357918	TON	357918 TON	0.000	
ontrol Paths	VP04	PSS	Natural Gas	137771	E6BTU	137771 E6BTU	0.000	
F1A F1B PI01							Save and Update	
VP01 VP02 VP02A								
VP02B								

Ŧ

- VP02CVP02D
- ▶ VP02E
- ▶ VP02F

CAERS Total Emissions Bulk Entry

▶ VP02F

Emissions Report ncy: GA				Dat	a Bulk Entry			
ort Summary	Pr	ocess Infor	mation	Emission Information				
ort History								
lity Checks	Unit ID	Process ID	Pollutant	Calculation Method	Emission Factor	Total Emissions	Previously Reported Total Emissions	% Change in Emissions
a Bulk Entry <			Nitrogen Oxide	s Continuous Emission Monitoring System		72.107 TC	N 72.107 TON	0.000
ity Information	PI01	NOX	Sulfur Dioxide	Continuous Emission Monitoring System		12.781 TC	N 12.781 TON	0.000
ions Units se Points rol Devices	U	U	Volatile Organio Compounds	Stack Test (no Control Efficiency used)		100 TC	N 5.5151 TON	1713.204
ol Paths			Nitrogen Oxide	s Continuous Emission Monitoring System		16.996 TC	N 16.996 TON	0.000
ssions Inventory	VP01	NOX1	Sulfur Dioxide	Continuous Emission Monitoring System		0.1005 TC	N 0.1005 TON	0.000
			Volatile Organie Compounds	USEPA Emission Factor (no Control Efficiency used)	5.5 LB/E6FT3	0.0152 TC	N 0.0152 TON	0.000
1	VP02	VOC1	Volatile Organie Compounds	Emission Factor based on data available peer reviewed literature	0.23 LB/TON	41.16 TC	N 41.16 TON	0.000
2A 2B				· ······ · · · · · · · ·	~ •			0.000
2C 2D								Save and Up

- Three options for data entry:
 - User interface
 - Bulk entry
 - Bulk upload
 - Via preformatted
 - Via JSON upload (email <u>caer@epa.gov</u> with questions)

Au	toSave 💽 🕞	· (· [], ▷ <mark>▷ *</mark> ■ · ▷	D A		CEE Pulklipland Tampiata o ^Q Last Madif	iinde Octobor 14 -			- Julia 🕸 🖻 — 🗗 🗙
File	Home Insert	Page Layout		-	_	_		_	r Share 모 Comments
Ê	L X Cut					mmlat	La Fuar		
Past	Copy ~			1()()() [(III) AI		nne	
× ×	Served Format Painter					i ipia:			
	لاا Clipboard	Font				-		·····,	
124		J fr							^
		- J							
	А	с	G	1	κ	L	М	0	p
5 C	urrently the CAERS is o	nly receiving "Annual" reporti	ing period data. Enter the nam	he of the reporring period before	e working on the operating details tab.			J	
6									
7 • T	ab: Deporting Period								
0 1	ab. Reporting Ferrou				Drop down. Code indicating whether the				
In	struction:	Drop down. Identifier of the	Drop down. The time period	Drop down. Code identifying the operating state for the	material measured is an input to the	Activity or throughput of the process for a given	Drop down. Code for the unit of	Drop down. Code for	Comments about throughput or other reporting
0		emission process.	are reported.	emissions being reported.	process, an output of the process or a static count (not a throughput)	time period.	measure of the throughput value.	material or fuel processed.	period data reported.
10 Fi	ield	Process ID*	Reporting Period*	Operating Type*	Throughput Parameter*	Throughput Value*	Throughput Unit of Measure*	Throughput Material*	Comments
14 e)	xample entry	Drying Process	Annual	Routine	Input	351	LB	Charcoal	Reporting Period Comment
15		Storage Process	Annual	Routine	Output	15876	TON	Dry Material	Reporting Period Comment
16		Disposal Process	Annual	Routine	Existing	466	TON	Exhaust Gas	Reporting Period Comment
24			′		'	[]	<u></u>		
25					/				
20					/				
28			· · · · · · · · · · · · · · · · · · ·		/				
29			·		/				
30									
31									
32			′		′				
33			′		/				
35			· /		/				
36			·						
37			· · · · · · · · · · · · · · · · · · ·						
38									
39			′						
40			′		/				
41					′				
42									
44									
45									
46									
47			′		′		·		
48					/				
49									· · · · · · · · · · · · · · · · · · ·
•	Apportionme	ent Reporting Period O	perating Details Emissions	Emission Formula Variables	Worksheet Map AircraftEngineTypeCod	e CalculationMaterialCod	e CalculationMethodCode C	alcula (+) 🕴 🔳	
								L굟 Display Settings	III III − − − + 100%

AutoSave 💽 🕞 🏷 -

CEF_BulkUpload_Template 🗚 - Last Modified: October 14 🗸

🖻 Share Comments

F



Emissions

Emission Formula Variables

Worksheet Map

AircraftEngineT ... 🕀

E 🔳

교 Display Settings

Ħ E 巴

2 Enter all information marked *. Where a drop-down menu exists, select from the list of options in each menu.

3 All field formats are "General" except where specified.

4 Ensure that data copied into cells is in the correct format and is devoid of spaces, guotation marks and other characters.

Note there are hidden columns in this worksheet. Please do not alter hidden columns, as these are important for data validations. 5

6 Create controls before assigning them pollutants.

8 Tab: Control Pollutants

7

9	Instruction:	Drop down. Co equipment that pollutant.	ontrol ID for the t is controlling the	Drop down. Pollutant the controls.	e equipment	Efficiency with which t removes the pollutant.	the control
10	Field	Control ID*	F	Pollutant Name*		Percent Reduction Effi	ciency
14	example entry	Control 001	A	Acetaldehyde			100
15		Control 002	E	Benzene			99.9
16		Control 001	A	Acetaldehyde			1.3
17		NOX Control	Ν	Vitrogen Oxides			1.3
24		Control 1		Ť		*	
25			Ν	Nickel Oxide		^	
26			N	Nickel Refinery Dust			
27			N	Nickel Subsulfide			
21				Nickel Sulfamate			
28				vickel Sulfate			
29			li li	Nitrogen Oxides			
30				Nitrous Oxide		~	
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
	Controls	5 Control Paths	Control Assignments	Control Pollutants	Apportionment	Reporting Period	Operating Details

Bulk Upload Excel Template Example Continued

- Three Options for Data Entry
- Previous Year Data

CAERS Emissions Reports Page

<u>My Facilities</u> > Emissions Reports

		n
	e	U
_	_	

Agency ID:12345678 FACILITY INC		Emissions Reports
123 Main Street Mytown, GA 12345 2019 Emissions Report	2019 Report	Upload Report Create New Report
Agency: GA	2018 Report	View Download as Template Delete

- Three Options for Data Entry
- Previous Year Data
- Bulk Download into Pre-formatted Excel Template

CAERS Emissions Reports Prepopulated Template Download

<u>My Facilities</u> > Emissions Reports

Agency ID:12345678 FACILITY INC		Emissions Reports
123 Main Street Mytown, GA 12345 2019 Emissions Report	2019 Report	Upload Report Continue Download as Template Delete
	2017 Report	Upload Report Continue Download as Template Delete

<u>Help</u>

- Three Options for Data Entry
- Previous Year Data
- Bulk Download into Pre-formatted Excel Template
- File Attachments

CAERS Document Attachment Page

Report Summary 〈	Pollutant	Туре	Fugitive Amount	Stack Amount	Units of Measure	2019 Reported Emissions	Previous Year Reported Emissions	Previous Submittal Year	
Report History	Carbon Monoxide	CAP	0	5.673	Tons	5.673	5.673	2017	
Quality Checks	Nitrogen Oxides	CAP	0	95.853	Tons	95.853	95.853	2017	
Data Bulk Entry	Sulfur Dioxide	CAP	0	12.922	Tons	12.922	12.922	2017	
-Facility Inventory	Volatile Organic Compounds	CAP	41.16	100.3866	Tons	141.5466	47.0617	2017	
Facility Information	Total Emissions (Tons)					255.9946	161.5097		
Release Points Control Devices Control Paths								Download Report	
★Emissions Inventory									
▶ F1A	Preparer/NEI Certifier Attachments								
▶ F1B									
▶ PI01	Date User ID		User Name	User Name C		omments		Attachments	
VP02									
VP02A							(Attach Report Document	
► VP02B									
▶ VP02C									
▶ VP02D									
VP02E								Run Quality Checks	
VP02F									
▶ VP04									

- Three Options for Data Entry
- Previous Year Data
- Bulk Download into Pre-formatted Excel Template
- File Attachments
- Report History & Log

CAERS Report History Page



▶ F1A

Release Points Control Devices Control Paths

Emissions Inventory

▶ F1B

CAERS Report Log Page



- Three Options for Data Entry
- Previous Year Data
- Bulk Download into Pre-formatted Excel Template
- File Attachments
- Report History & Log
- Report Summary Download



CAERS Example Summary Report



- Three Options for Data Entry
- Previous Year Data
- Bulk Download into Pre-formatted Excel Template
- File Attachments
- Report History & Log
- Report Summary Download
- Toxics Air Emissions Calculated and Added for TRI-MEweb

TRI – bound HAPs Data

Optional HAPS/air toxics data entry in CAERS. CAERS adds data up to the facility totals, ready for pre-population in TRI-MEweb.

If not required by your SLT:

- SLT review of reported HAPS/air toxics air emissions not required
- Submission of HAPS/air toxics through CAERS.

How does this help facilities?

- Enter data into CAERS directly vs. separate workbooks for calculations then entered to TRI-MEweb.
- SLT review of criteria pollutant data *before* data gets to TRI-MEweb providing the opportunity to correct any related toxics data before it is available in TRI-MEweb.
 - E.g., SLT finds throughput error for a unit/process affecting CO and NOX, that is also affecting VOC calculations. Corrections to throughput mean all affected emissions are corrected.
- We are encouraging facilities to submit HAPS data at process level in CAERS.
 - If HAPS aren't reported, EPA does HAP augmentation on the data which could be inaccurate.
 - By submitting their own HAPs emissions at process level in CAERS, facilities take ownership of their data.
TRI-MEweb Page for Use of CAERS Data

			JSHR
Submission History Help	NEI Data Available	×	
5: On-site Releases ❤ 6: Off-	We have detected that your facility has filed a National Emission recent NEI data sumitted in last three year. Click Yes to copy yo on your TRI form R.	n Inventory (NEI) report in CY 2019 . The data below represents the most our NEI Point and Non-point source emission data into Section 5.1 and 5.2	
sal	NEI Submission Calendar Year: 2019		
orting Help?	NEI Submission Status: SUBMITTED		
nter data using datalled workshoot	NEI Submission Certification Date: 01/21/2020		
The data using detailed worksheet.	Facility Name Reporting to NEI: Texpar Energy LLC		
ection	EPA Registry ID (2): 110002102368		Numeric Basis 🕜
	TRI Facility ID (TRIFID): 31717TXPRN268IN		
	Non-Point Source release amount reported in CY 2019	9 to NEI (Ibs): 0	
	Point Source release amount reported in CY 2019 to N	NEI (Ibs): 6,992	
	Yes, copy my CY 2019 NEI emission data into Section 5.1 (Fugitive or Non-Point Air Emissions)	No, I will report a different amount to TRI in Section 5.1 brid 5.2	
ls ()	and 5.2 (Stack or Point Air Emissions)	and 5.2 amounts in Section 5.1 and 5.2	
Vells 🍘	•	or Select a Range Code 👻	
		or Select a Range Code +	
		or Select a Range Code +	

Onboarding Process for SLTs

- Onboarding is not mandatory
- Onboard any time with CAERS "as is"
- Work with EPA on SLT-specific requirements gathering
 - Meet every two weeks for an hour,
 - PDT attendance every two weeks where possible
- You may need time/resources for coding to intake data from CAERS into your system:
 - In house resources
 - Exchange Network Grants
 - ECOS (Kurt Rakouskas)
- In later stages we hope to have ability to take data from the SLT into CAERS

Onboarding Process for SLTs

- <u>CROMERR application</u>:
 - Cover letter
 - Attorney General Certification
 - Checklist
- Get a "test" account to start looking through your data because you may want to update, add data in EIS before we pull it into CAERS:
 - Outdated data is in EIS and has not been updated for some facilities (e.g. "old" units of measure)
 - ID's for some units/processes (e.g. some reporters may have relabelled ID's for facility components duplicating them and you may want to mark the idle components as "Permanently Shutdown" before they are pulled into CAERS.
 - You may see patterns of issues from running QA checks and may want to alert facility reporters ahead of time.

Using CAERS for Reporting

- Once we have any specific requirements for your SLT in CAERS, you'd be able to start reporting.
 - You may establish start and end dates for reporting for your SLT
 - You may add/select custom QA checks
- Review reports from CAERS or in future, pull into your own system to do advanced QA
 - Return or Accept reports in CAERS after review
 - Send reports from CAERS to EIS (can be done a few facilities at a time)
 - Do your nonpoint fuel subtraction in CAERS

SLT Reviewers



Facility Data Management – Facility Information



Facility Data Management – Pending Authorization Requests

US EPA - CAERS Cor	mbined Air En 🗙	+							~	- 0
← → C 🔒 c	dxappstest.epacd	x.net/cef-web/#/review	er/facility/pendingAsso	ciations				e		* 🗆 😩
				Combined Air E	missions Reporti	ng System			Reviewer - JULI	AGAMAS \varTheta Logo
You are in the CAERS test	t environment. Data :	shown here is for illustration	n purposes, and does not re	present a real report.						
								A <u>CBI Di</u>	iclaimer <u>CAERS</u>	<u>Help</u> <u>Contact CC</u>
Submission Review 👻	EIS Transmission 👻	Statistics and Reports 👻	Facility Management *	Application Properties						
				Pending	g Authorization Requests					
Name		Email				Role	Facility Name		Facility ID	
User		Use	r@Facilityinc.com			Preparer	FacilityInc.		99999999	
								Authorize	Requests Re	ject Requests
	_		_					_		
				EPA Home MyCDX Acce	essibility Notice Privacy a	nd Security Notice				

Application Properties

US EPA - CAERS Combined Air Er × +		~ - D X
← → C	roperties	९ छ 🛧 🗯 🖬 😩 :
	Combined Air Emissions Reporting System	Reviewer - JULIAGAMAS 😫 Logout
You are in the CAERS test environment. Data shown here is for illustr	ation purposes, and does not represent a real report.	
		CBI Disclaimer CAERS Help Contact CDX
Submission Review EIS Transmission Statistics and Report	ts Facility Management Application Properties	
	SLT Properties	Update Properties
Allow CSV Report Attachment Uploads:	Disabled	
Allow DOCX Report Attachment Uploads:	Disabled	
Allow PDF Report Attachment Uploads:	Disabled	
Allow TXT Report Attachment Uploads:	Disabled	
Allow XLSX Report Attachment Uploads:	Enabled	
SLT EIS Program System Code:	GADNR	
SLT EIS User ID:	xjmart02	
SLT Email:	emissions.inventory@dnr.ga.gov	
SLT Announcement Banner:	Enabled	
SLT Announcement Banner Message:	Solution Paragraph ✓ ■	
G SLT Compendium:		

Submission Review

US EPA - CAERS	S Combined Air En 🗙	+						∨ – □ ×
← → C (A contract c							
					Combined A	ir Emissions Reporting S	ystem	Reviewer - JULIAGAMAS Q Logout
You are in the CAE	ERS test environment.	Data shown here is for illus	tration purposes, and does	not represent a real repo	vrt.			
								CBI Disclaimer CAERS Help Contact CDX
Submission Rev	view EIS Transmis	sion Statistics and Rep	orts 🔻 Facility Manageme	ent Application Prop 	perties			
				Annual Rep	orts			2021 Report Submission Statuses
Report Status: A	ll 🗸	Report Year: 2021	✓ Industry Sector:	All Sectors 🗸	Filter Table: Facility In	nc. ×		
Report Status	Facility Name	Agency Facility ID	Operating Status	Industry Sector	Submittal Year	Last Submittal Year	Actions	253 Not Started
In Progress	Facility Inc.	77700000	Operating		2021	None submitted previously	Summary View Report	49 In Progress T
							Download Process Emissions Summary	6 Reviewed and Returned T
In Progress	Facility Inc.	99999999	Operating		2021	None submitted previously	Summary View Report	1 Opt-Out - Pending Review T
							Download Process Emissions Summary	1 Pending Review T
							Download as Template 🔻	0 Advanced QA
« 1 »								0 Opt-Out - Approved
								2 Approved Y
_			_					
					EPA Home MyCDX	Accessibility Notice Privacy and Se	curity Notice	

EIS Transmission

- You can see the list of facilities and what stage of transmission to EIS they are in. You mark off which facilities have passed a specific stage (e.g. QA Emissions), and you can check transaction IDs from the EIS transmission screen.
- In future we hope to have "call and answer" with EIS so that items such as reports from EIS can be opened from CAERS.

Statistics and Reports

US EPA - CAERS Combined Air Err × +	∨ – □ ×
← → C a cdxappstest.epacdx.net/cef-web/#/reviewer/reports	९ 🖻 🖈 🖬 😩 :
Combined Air Emissions Reporting System	Reviewer - JULIAGAMAS 😫 Logout
You are in the CAERS test environment. Data shown here is for illustration purposes, and does not represent a real report.	
	CBI Disclaimer CAERS Help Contact CDX
Submission Review EIS Transmission Statistics and Reports Facility Management Application Properties	
Generate Reports	
Report Type: Reporting Year: 2021 2021 2021 Annual Emissions Reporting Data 	
Average Max QAs per Year	Generate Report
EPA Home MyCDX Accessibility Notice Privacy and Security Notice	11:55 A

Annual Emissions Reporting Report Components



Questions

For more details on CAERS, feel free to visit our <u>website</u> and review work from our Product Design Team, and trainings that show CAERS features in detail.

Additional Slides for Background

Registration Process

Three major steps:

- 1. Register in CDX, if you are new to CDX (get access email)
- 2. Set up CAERS in CDX (if you did not report previously through CAERS)
- 3. SLT recognizes preparer/certifier and grants you entry to your facility in CAERS

Go to: https://cdx.epa.gov/





Proceed <u>Cancel</u>

2. Set up CAERS in CDX

Home About Recent Announcemen	ts Terms and Conditions	FAQ I	Help Virtual Assist	tant		
CDX: Edit Account Profile				■ <u>Contact Us</u> Logged in as JSMITH (Log out)		
1. Program Service 2. Role Ac	cess 🔰 3. Organization	n Informatio	on			
Begin typing a program service name or Clean Air Act). Active Program Services List	related keywords to filter the	e list of avail	able services (e.g., a	air quality system, AQS, or		
Enter search criteria						
ARCS: Aircraft Reporting and Com	bliance System					
CAER: Combined Air Emissions Rep	CAER: Combined Air Emissions Reporting					
CDRS: Consent Decree Reporting S	CDRS: Consent Decree Reporting System					
CEDRI: Compliance and Emissions Data Reporting Interface						
CSPP: Submissions for Chemical Safety and Pesticide Programs						
eDisclosure: Voluntary Disclosure System						



Home	About	Recent Announcements	Terms and Conditions	FAQ	Help	Virtual Assistant	
CDX MyCDX	Centr	My Profile Submission	History Payment Histor	ry E-En	terprise	Contact Us Logged in as JSMITH (Log out))
		Services	, ¢	Manage		CDX Service Availability	
St	atus 🕈	Program Service Name	♣ <u>Role</u> ♣		See	e the status for all program services	
						News and Updates	
					No	news/updates.	
Add	Program S	Service Manage Your Pr	rogram Services	A C	lready AERS t	have a CDX account? Add by clicking here.	
EPA Home	Privacy an	d Security Notice Accessibility	CDX Help Desk: 888-8 About CDX Freque	90-1995 ntły Asked	(970) 494- Questions	5500 for International callers	

Home	About	Recent Announcements Terms and Conditions FAQ Help			Virtual Assistant				
CDX Edit Account Profile						Logg	ontact Us ed in as	JSMITH	(Log_out)
1. Prog	1. Program Service 2. Role Access 3. Organization Information								
Regis	stration li	nformation							
Progra	Program Service Combined Air Emissions Reporting								
Role		Not selected							

Select a role from the drop down list and provide any required additional information, if applicable.



Accessibility

Privacy and Security Notice

EPA Home

If you are both preparer and certifier for a facility, you only need to select "Certifier".

CDX Help Desk: 888-890-1995 | (970) 494-5500 for International callers About CDX | Frequently Asked Questions | Terms and Conditions | Contact Us



Part 1: User Information

The program you are registering for requires additional proof of identity. Later in the registration process you will be given the option to use LexisNexis, an identity proofing service. LexisNexis will pull your first, middle and last name exactly as it is entered on this page.

User ID *	jdoe.registration
Title *	Mr ~
First Name *	John
Middle Initial	Ρ
Last Name *	Doe
Suffix	-Please Select- 🗸
Password *	•••••
Re-type Password *	•••••
Security Question 1 *	What was your childhood nickname?
Security Answer 1 *	
Security Question 2 *	What school did you attend for sixth grade?
Security Answer 2 *	

Part 2: Organization In	ıfo				
CGI Test Enter organization or org	anization ID				
Organization ID	Organization Name	Address	City	State	ZIP Code
21947	CGI TEST	12601 FAIRLAKES PKWY	FAIRFAX	VI	22033
Can't find your organization? Use advanced search or request that we add your organization.					

Part 2: Organization Info

CGI TEST

12601 FAIRLAKES PKWY FAIRFAX, VI, US 22033

Email *	john.doe@epa.gov	email and spam folder. You need the code in that email for the next	
Re-enter Email *	john.doe@epa.gov	set of steps.	
Phone Number *	(337) 777-7777		
Phone Number Ext			
Fax Number			
Wrong organization informa Submit Request for Access	tion? <u>Back to Search Results</u> , <u>Use advanced</u>	<u>search</u> or <u>request that we add your organiz</u>	<u>zation</u> .

You will get an email. Check your

Separation Agency United States Environmental Protection Agency



A few more steps...

You will soon receive an email confirmation message at [joshua.martin@cgifederal.com] with a validation code. Enter the validation code below or follow the link provided in the email to activate your user account. Resend validation code





Postal Mail to the U.S. Environmental Protection Agency. Note: Additional LexisNexis® Information

LexisNexis® Instant ID

Legal Name	
john	p doe
Home Address	
Address Line 1*	
Address Line 2	
City*	State* V Zip Code*

see signification prod	
Address Line 2	
Lafayette	Louisiana V 70506
Home or Personal Pho	one ·
(337) 777-7777	
Date of Birth	
Month* V Day*	✓ Year* ✓
Last 4 of SSN	
••••	Show SSN
The name above is n Proceed with Verification	me. Please proceed with LexisNexis® Validation.

CDX Registration: Additional Verification

1. Identity Verification ✓

2. Electronic Signature Agreement

You are registered for a program that requires eSignature PIN Verification. Please select five (5) challenge questions and answers. The questions that you select should be questions that you can remember, but difficult for anyone else to guess.

Select 5 Challenge Questions and Answers

What is your favorite TV show?	▼ show
What is your favorite vacation destination?	 destination
Where did you first meet your spouse?	• spouse
What is your favorite book?	• book
What is your favorite pet's name?	• name

Save Answers

Electronic CDX Electronic Signature Agreeme

The CDX electronic signature agreement (ESA) is an agreement between yourself and CDX that will authorize your electronic signature. By signing the ESA you agree to adhere to the conditions listed on the agreement below. Once the ESA has been signed, you will be authorized to sign and/or encrypt information for your data flow. For any questions regarding the CDX ESA, please contact the <u>CDX Help Desk</u>.

Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

penalties for submitting false information, including the possibility of fine and imprisonment.

(13) Agree to protect the electronic signature credential, consisting of my Central Data Exchange (CDX) user identification and password, from use by anyone except me. Specifically, I agree to maintain the secrecy of the password; I will not divulge or delegate my user name and password to any other individual; I will not store my password in an unprotected location; and I will not allow my password to be written into computer scripts to achieve automated login.

(14) Agree to immediately contact the U.S. EPA CDX Help Desk after suspecting misuse of my account. I will contact the CDX Help Desk at 1-888-890-1995 as soon as possible, but no later than 24 hours, after suspecting or determining that my user name and password have become lost, stolen, compromise or used inconsistent with CDX Terms and Conditions at <u>https://cdx.epa.gov/terms</u>

Name of electronic signature holder:

Mr Joshua Martin

Signature:

Date:

PLEASE MAIL THIS DOCUMENT AS SOON AS POSSIBLE TO:

U.S. Environmental Protection Agency



CDX Help Desk: 888-890-1995 | (970) 494-5500 for International callers

eSignature Widget		×
1. Authentication Log into CDX		
User: JOSMARTIPREREGISTER		
Password:		
Login		

Home	About	Recent Announcements	Terms and Conditions	FAQ	Help	Virtual Assistant		
CDX	Centr	al Data Exchange				Contact Us Logged in as	JSMITHsHRINGTIN	(Log out)
MyCD>	Inbox	My Profile Submission	History Payment Histor	ry E-En	terprise	Portal		
		Services	ೆ	Manage		CDX Service Av	ailability	
<u>St</u>	atus 🗘 [Program Service Name CAER: Combined Air Emissions	RoleReportingNEI Certifier		See	e the status for all prog	<u>gram services</u>	
						News and U	odates	
					No	news/updates.		
Add	Program S	Service Manage Your P	rogram Services					
EPA Home	Privacy an	d Security Notice Accessibility	CDX Help Desk: 888-8 About CDX Freque	890-1995 entiy Asked	(970) 494-: Questions	5500 for International ca Terms and Conditions	llers Contact Us	TED STATES

United	States Environmental Protection Agen	ry			
ome About	Recent Announcements	Terms and Conditions	FAQ	Help	Virtual Assistant
CDX: Edit Account Profile					
. Program Serv	rice 🗸 > 2. Role Acc	cess > 3. Organizat	tion Info	rmation	
Registration li	nformation				
Program Service	Combined Air E	missions Reporting			
	Not selected				
Role					

EPA Home Privacy and Security Notice Accessibility

CDX Help Desk: 888-890-1995 | (970) 494-5500 for International callers

About CDX | Frequently Asked Questions | Terms and Conditions | Contact Us



3. Receive Approval Notification from CAERS

With the previous steps completed the SLT will:

- Verify the preparer and certifier contact information.
- Approve the reporter's association with the correct facility(ies) in CAERS.
- The system sends the reporter a confirmation email at which point the reporter can begin the report in CAERS.

Timing of Submissions

- TRI-MEweb is July 1st
 - NEI/TRI facilities should certify their NEI forms *before* starting a TRI-MEweb submission because data is pushed from CAERS to TRI-MEweb.
 - Early data submittal and SLT review allows us to keep data consistent across NEI and TRI programs.
- SLT deadline for submissions of Annual or Triennial reports.
 - Per SLT deadline.
- We ask that industry leave time for questions and resolution of issues and in case we need to address bugs.

Registrations: Include or delete registered Preparers and Certifiers **no later than two weeks after opening CAERS**.

Reporting: Start no later than **one month before** and **submit no less than 2 weeks before** the SLT deadline.

We want to avoid last minute submissions.

Want to make CAERS better?

Please help us make CAERS better by sending us feedback to <u>caers@epa.gov</u>. Help us prioritize upcoming features and functionality.

To make your reporting easier:

- What else should CAERS be able to do?
- What data elements should CAERS collect to send to other SLT and EPA air programs?
- How should CAERS do this?
- How should CAERS not do this?
Help and Resources

- User Guide and Training Videos (Forthcoming): <u>https://www.epa.gov/e-enterprise/e-enterprise-combined-air-emissions-reporting-caer</u>
- Help from within CAERS

CAERS Help Resources Page

Help Resources

Application Support

The Combined Air Emissions Reporting Form User Guide and Glossary will provide instructions and terminology necessary to navigate through the application from registration to report submission.

- Combined Air Emissions Reporting Form User Guide
- Combined Air Emissions Reporting Form Glossary

CDX Helpdesk Support

By Telephone: Person-to-person telephone support is available from 8:00 am to 6:00 pm (EST/EDT). Call our toll-free line at 888-890-1995 or our direct line at 970-494-5500 for International callers.

By E-mail: Send e-mail to Technical Support at helpdesk@epacdx.net.

By Live Chat: Chat with the CDX Help Desk to answer your questions.

Program Support

Note: Questions related specifically to emissions reporting and facility data should be referred to your SLT Authority.

GA DNR: Emissions.Inventory@dnr.ga.gov

Additional Resources

- State Emission Factor Compendium
- General Energy Conversions

This help page will be updated soon, as the SLT compendium and emission factor updates are now provided to the user in CAERS.

Help from CDX Help Desk

For CDX questions such as:

- Can't login/Password resets
- Repudiation

For CAERS application questions such as:

- Unexplained errors while using the CAERS application
- How to enter a specific piece of data
- How to navigate from one screen to another

CDX Help Desk:

- **Phone:** Person-to-person telephone support from 8:00 am to 6:00 pm (EST/EDT). Call our toll-free line at 888-890-1995 or our direct line at (970) 494-5500 for International callers.
- E-mail: Technical Support at <u>helpdesk@epacdx.net</u>

Program Questions

For program questions such as:

- What data to use to fix critical errors that appear in red.
- Selecting an appropriate SCC and/or emission factor.
- Finding out the unit capacity measure of a unit.
- The appropriateness of a calculation method for the emission being estimated. **POCS:**
- Georgia Department of Natural Resources (GADNR): <u>Emissions.Inventory@dnr.ga.gov</u>
- Lincoln Lancaster, NE County Health Department (LLCHD): <u>Gary Bergstrom</u>, <u>gbergstrom@lincoln.ne.gov</u>
- Pima, AZ Department of Environmental Quality (PDEQ): Janice Easley, Janice.easley@pima.gov
- Rhode Island Department of Environmental Management (RIDEM): <u>Alexi.Mangili@dem.ri.gov</u>
- Washington, D.C. Department of Energy & Environment (DOEE): <u>air.quality@dc.gov</u>