Using e-GGRT to Prepare Your Subpart O Report

So, for RY2018 and later, when using Equation O-5

This page provides an overview of Subpart O reporting through e-GGRT. More detailed information regarding e-GGRT reporting can be found throughout t his help resource and on the Training and Testing Opportunities for GHG Reporting page.

Once you have added Subpart O to the list of subparts you will report and have clicked on the "Open" link next to Subpart O, you will see the following screen:

Subpart O Facility Information

>> Click this link to expand



Under the SUBPART O FACILITY INFORMATION section, users are required to answer "Yes" or "No" for the following:

- Indicate whether your facility produces HCFC-22
- Indicate whether your facility sends any HFC-23 offsite for destruction
- Indicate whether your facility destroys HFC-23 onsite

Click "SAVE." This will take you to the Subpart Overview page.



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HOME FACILITY REGISTR	ATION FACILITY MANAGE	MENT DATA REPORT	ING HELP	DESK		Electronic (reenhouse Gas Reporting Tool	
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e-GGRT Help	Angkor Subpart O: HCE	-22 Productio	n and H	FC-23 Destructi	on	(2018)		
Using e-GGRT for Subpart O reporting	Subpart Overview		in uniu in	0-20 0000000		(2010)		
	OVERVIEW OF SUBPAI Subpart O requires affect production processes an each production process as appropriate. For addit e-GGRT Help link(s) pro-	RT REPORTING REQU ted facilities to report H d HFC-23 destruction fac ional information about vided.	IREMENTS FC-23 emiss rocesses. Us ility, and on-s Subpart O re	ions from HCFC-22 is this page to identify site destruction process, sporting, please use the		Annual mass of	HFC-23 (metric for <mark>O:</mark> View Validatio	0 ma) 20
	SUBPART O FACILITY IN	FORMATION (change)	.22					
	The facility sends HFC-	23 offsite for destruct	ion Ves					
	The facility	destroys HFC-23 on	site Yes					
								_
	HCFC-22 PRODUCTION I	PROCESS INFORMAT	ON	HEC.23 emissions				
	Name/Identifier	(metric tons)	(metric tons)		Status ¹		Delete
	test1				0	Incomplete	OPEN	×
	ADD HCFC-22 Product	ion Process			-			
	OFF-SITE HFC-23 DESTR	RUCTION FACILITY IN	FORMATION					
	Unique Nar	neldentifier	Que	antity of HFC-23 sent (m	netric	tons)	Status ¹	Delete
	No off-site destruction added	n facilities have been						
	+ ADD an Off-Site Destru	ction Facility						
	ON-SITE HFC-23 DE STR	UCTION PROCESS IN		EC-22 production equips	ment \	, ,		
	Unique Name	Adentifier	Mass	of HFC-23 emitted (met	nic ton	15)	Status ¹	Delete
	C O/S	ution Provoce					ncomplete	×
	Facility Overview A status of "Incomplete" mer for details by clicking the "Vie	ans that one or more elem w Validation" link above (N	ents of require lote, if there a	d GHG INFO is incomplete re no validation messages f	. See t	the Data Comple subpart you will	teness validation m not see this link.)	ossagos
Paperwork Reduction Act Burden	Statement Contact Us					e-GGRT R	Y2018.R26-j404	O-overview

If the report is being completed for RY2013 or prior years, please skip to the set of instructions in the, "RY2013 and Prior Years" section.

HCFC-22 PRODUCTION PROCESS INFORMATION

Under the HCFC-22 PRODUCTION PROCESS INFORMATION section, if you selected "Yes," the facility produces HCFC-22, e-GGRT will require you to provide the process name and identify the appropriate subpart O equation used to calculate production process emissions.

For RY2017 and later years, you must add each HCFC-22 production process at the facility. Click "+ADD HCFC-22 Production Process" under the "HCFC-22 Production Process Information" table to add all processes. You must enter:

- A unique name/identifier
- The equation used to calculate production process emissions:
 - Equation O-4 must be selected if the production process does not use a destruction device or does not have a destruction device directly connected to the HCFC-22 production equipment.
 - Equation O-5 must be selected if the production process uses a destruction device connected to the HCFC-22 production equipment.

After selecting the appropriate equation, click "SAVE." e-GGRT will populate the HCFC-22 Production Process Information table with each unique process.



For each production process in the table, click the "OPEN" button to provide information on the process. e-GGRT will require you to use the IVT to calculate Equation O-4 or O-5 results when making entries in the HCFC-22 Production Process Information section. See Subpart O Entering Equation Inputs Using IVT for RY2014 and Later for information on using IVT.

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nep	Subpart O: HCFC-22	Production a	nd HFC-23	Destruction	n (2018)
	Subpart Overview » HCFC-22 Pro	duction Process Info	ormation		
	HCEC-22 PRODUCTION				
	Use this page to report information	on about the facility's on	n-site HCFC-22 pro	duction process.	
					HFC-23 emissions (metric tons)
	FACILITY'S INPUTS VERIFIER FIL	E (File History)			What is the Inputs Ver
	Inputs Data Loaded	Last Saved	Eile: E16720.4	anter 2018 - 0.2 /	
	Save Inputs Data	Saved By (D	rine: 515/69-A	4/Eahaves 05, 201	0.0.44.000
		50100 DJ (0	arey. Minupper	r (rebruary 05, 20)	13 2.44 PM)
	ROCESS IDENTIFIER	Drocess Name an	Destruction Offici		
	Unique Produc	t Process Name/ID	Destruction Offs	tes	
	SUBPART O PROCESS INFORMATI	ON			
	Annual mass of HCFC-	22 produced by the		(metric	tons)
	Process (Calculated U	Jsing Equation 0-3)	Use Inputs Ve	rifier to calculate	GO
	Reactants Fed into the Process	5			
	Reactant	Annu	al mass fed into	o the process (m	etric tons)
	ADD a Reactant				
	The combined mass of all m	aterials other than		(metric	tons)
	HCFC-22 and HFC-23 (i.e., un HCI and other by-products)	that occur in more			
	than trace concentr	ations and that are			
	permanently removed	I from the process	_		
	Indicate whether the annual mass of all materials other	mass of combined	OYes		
	HFC-23 for the process is b	ased on a missing	O No		
		data procedure			
	Number of hours that a missi	ing data procedure		(hours)
	combined mass of all m	aterials other than			
	н	ICFC-22 and HFC-23			
	Method for tracking startup	s, shutdowns, and			
	malfunctions and HFC-23 gen	eration/emissions			
		anity diese events	L		
	IFC-23 EMISSIONS (Output of Equ	ation O-4)			
	Annual HFC-23 Emissions	from the Process		(metric	tons)
	(Calculated (using Equation 0-4)	Use Inputs Ve	rifier to calculate	GO

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) e-GGRT Help	Subpart O: HCFC-22 F	Production and	HFC-23 Destruct	ion (2018)
	Subpart Overview = HCFC-22 Produ	uction Process Informa	tion	
	HCFC-22 PRODUCTION			
	Use this page to report information	about the facility's on-site	HCFC-22 production proces	HFC-23 emissions (metric tons)
	FACILITY'S INPUTS VERIFIER FILE	(File History)		What is the Inputs Verifier F
	Inputs Data Loaded	Last Saved File:	515789-Angkor-2018-v0	.2.4
	Save Inputs Data	Saved By (Date):	M Huppert (February 05,	2019 2:44 PM)
	· · · · · · · · · · · · · · · · · · ·			
	PROCESS IDENTIFIER			
	Unique Product	Process Name/ID Dest	ruction Offsites	
	SUBPART O PROCESS INFORMATION	I		
	Annual mass of HCFC-22 Process (Calculated Us)	produced by the	(m	etric tons)
	Trocess (calculated of	Use	Inputs Verifier to calcul	ate GO
	Reactants Fed into the Process	Annual m	ass fed into the process	(metric tons)
	+ ADD a Reactant	Annual In	as rea into the process	
	The combined mass of all mat	erials other than	(m	etric tons)
	HCFC-22 and HFC-23 (i.e., unre HCI and other by-products) th	acted reactants,		
	than trace concentrat	ions and that are		
	Indicate whether the annual m	ass of combined		
	mass of all materials other t	han HCFC-22 and		
	ni c-25 for the process is out	data procedure	0	
	Number of hours that a missing was used to determine the	data procedure	(h	ours)
	combined mass of all mat	erials other than		
	Method for tracking startups,	shutdowns, and		
	malfunctions and HFC-23 gener duri	ation/emissions		
				.H.
	Annual HFC-23 Emissions for	rom the Process	(m	etric tons)
	(Calculated Us	ing Equation O-4)	Inputs Verifier to calcul	ate GO
	SAVE CANCEL			

For RY2014 through RY2016, the procedure is similar, but HCFC-22 production information is entered at the facility level. On the "HCFC-22 Production Process Information" table, you will select "OPEN" to provide information on the HCFC-22 Production web page. e-GGRT will require you to use the IVT to calculate Equation O-4 or O-5 results when making entries into the HCFC-22 Production section. See Subpart O Entering Equation Inputs Using IVT for RY2014 and Later for information on using IVT.

E FACILITY REG	ISTRATION FACILITY MANAGEMENT DATA REPORTING	HELP DESK
		Hello, Isaac Locke My Profile
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	Subpart O: HCFC-22 Production a	nd HFC-23 Destruction (2015)
	Subpart Overview "HCFC-22 Production Process In	iformation
	· · · · · · · · · · · · · · · · · · ·	
	HCFC-22 PRODUCTION	
	Use this page to report information about the facility process.	s on-site HCFC-22 production HFC-23 emissions (metric tons)
	SUBPART O FACILITY INFORMATION	
	Annual mass of HCFC-22 produced Calculated Using Equation O-3	(metric tons) Use Inputs Verifier to calculate G0
	Reactants Fed into the Process	
	Reactant Ann	nual mass fed into the process (metric tons)
	+ ADD a Reactant	
	The combined mass of all materials other than HCFC-22 and HFC-23 (i.e., unreacted reactants, HCI and other by-products) that occur in more than trace concentrations and that are permanently removed from the process	(metric tons)
	Indicate whether the annual mass of combined	0 Yes
	mass of all materials other than HCFC-22 and HFC-23 at the facility is based on a missing data procedure	© No
	Number of hours that a missing data procedure was used to determine the annual mass of combined mass of all materials other than HCFC- 22 and HFC-23	(hours)
	Method for tracking startups, shutdowns, and malfunctions and HFC-23 generation/emissions during these events	
	HFC-23 EMISSIONS (Output of Equation O-4)	
	Annual HFC-23 Emissions from the Facility Calculated Using Equation O-4	(metric tons) Use Inputs Verifier to calculate 60
	EQUIRMENT LEAKS EL (part of Equation O 5)	
	Annual mass of HFC-23 emitted from all equipment leaks at the facility	(metric tons)
	Was the annual mass of HEC-23 emitted from all	0 vez
	equipment leaks at the facility based on a missing data procedure?	0 No
	PROCESS VENTS, EPV (part of Equation Q-5)	
	Annual mass of HFC-23 emitted from all process vents at the facility	(metric tons)
	Was the annual mass of HFC-23 emitted from all	© Yes
	data procedure?	© No
	HFC-23 EMISSIONS (Output of Equation O-5)	
	Annual HFC-23 Emissions from the Facility Calculated Using Equation O-5	(metric tons)
	SAVE CANCEL	

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HOME FACILITY REGISTRA	ATION FACILITY MANAGEMENT DATA REPORTING	HELP DESK	Electronic Greenhouse Gas Reporting Tool
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🕐 e-GGRT Help	Angkor Subpart O: HCFC-22 Production a	nd HFC-23 Destru	uction (2015)
	Subpart Overview « HCPC-22 Production Process in	normation	
	HCFC-22 PRODUCTION		0
	process.	s on-site HCPC-22 productio	HFC-23 emissions (metric tons)
	SUBPART O FACILITY INFORMATION		
	Annual mass of HCFC-22 produced Calculated Using Equation O-3	Use Inputs Verifier to ca	(metric tons)
	Reactants Fed into the Process	`	
	Reactant Ani	nual mass fed into the proc	cess (metric tons) Delete
	+ ADD a Reactant		
	The combined mass of all materials other than HCFC-22 and HFC-23 (i.e., unreacted reactants, HCl and other by-products) that occur in more than trace concentrations and that are permanently removed from the process		(metric tons)
	Indicate whether the annual mass of combined mass of all materials other than HCFC-22 and HFC-23 at the facility is based on a missing data procedure	© Yes ◎ No	
	Number of hours that a missing data procedure was used to determine the annual mass of combined mass of all materials other than HCFC- 22 and HFC-23		(hours)
	Method for tracking startups, shutdowns, and malfunctions and HFC-23 generation/emissions during these events		
	HFC-23 EMISSIONS (Output of Equation O-4)		
	Annual HFC-23 Emissions from the Facility Calculated Using Equation O-4	Use Inputs Verifier to ca	(metric tons) Iculate GO
	Annual mass of HFC-23 emitted from all		(metric tons)
	Was the annual mass of HFC-23 emitted from all	0 Yes	
	equipment leaks at the facility based on a missing data procedure?	◎ _{No}	
	PROCESS VENTS, EPV (part of Equation O-5)		
	Annual mass of HFC-23 emitted from all process vents at the facility		(metric tons)
	Was the annual mass of HFC-23 emitted from all process vents at the facility based on a missing data procedure?	© Yes ◎ No	
	HFC-23 EMISSIONS (Output of Equation 0-5)		(metric tons)
	Calculated Using Equation 0-5	L	(meuro tons)
	SAVE CANCEL		
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For all reporting years, in the "Reacts Fed Into the Process" table, add each reactant to the table by clicking the "+ADD a Reactant" button. Indicate the reactant fed, the annual mass fed, and details regarding any use of the missing data. Click "SAVE" to complete the entry. Complete an entry for each reactant.

>> Click this link to expand

IOME FACILITY REG	ISTRATION	FACILITY MANAGEMENT	DATA REPORTING	HELP DESK		Electronic Greenhouse Gas Reporting Tool Hello, Isaac Locke My Profile Log
e-GGRT Help	Sub Sub Subp	part C Alt Part 75 part O: HCFC-22 art Overview » HCFC-22 Pro	Production a	nd HFC-23	Destruction (20	17)
	RE	ACTANT FED INTO THE PR ase complete the form below	OCESS		* der	otes a required field
	REAG	CTANT				-
		Reactant fe	a into the process	Select		
	/	Annual mass of reactant fe	d into the process			(metric tons)
	India fed	cate whether the annual ma I into the process is based	iss of the reactant on a missing data procedure	O Yes O No		

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	Please complete the form below.					*.	denotes a required field
			Reactant fee	l into the process*	Select		T
		A	nnual mass of reactant fee	l into the process			(metric tons)
		Indic fed	ate whether the annual ma into the process is based	ss of the reactant on a missing data procedure	⊙ Yes ⊙ No		
		SAV	CANCEL				
Paperwork	Reduction Act Burden	Stateme	nt Contact Us			e-	GGRT RY2017.R27-j130r35508 O-reactant

After returning to the main HCFC-22 Production Process Information webpage, provide the information for the combined mass of all materials other than HCFC-22 and HFC-23, any use of missing data, and the tracking information for startups, shutdowns, and malfunctions.

For RY2018 and later years, one significant change to the reporting is that facilities using Equation O-5 will add the associated Destruction Device directly to the HCFC-22 Production webpage, so that the Destruction Device is linked with the process as highlighted below. So, for RY2018 and later, when using Equation O-5 (that is, when the facility has on-site HFC-23 destruction processes that are directly connected to an on-site HCFC-22 production process), add each destruction process by clicking "+ADD an On-Site Destruction Process" under "Destruction Devices, ED (input to Equation O-5)." You will be asked to provide a destruction process identifier and description, outlet concentration information, and any missing data information for each destruction process that is directly connected to an on-site HCFC-22 production process. e-GGRT will also require you to use the IVT to calculate Equation O-8 and O-9 results when making entries on this webpage.

You will be asked to provide the HFC-23 feed, destruction efficiency, and the information on how the destruction efficiency is determined. See Subpart O Entering Equations Using IVT for RY2014 and Later for information on using IVT.

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HOME FACILITY REGISTR	ATION FACILITY MANAGEMENT DATA REPORTING	EPA REPORTS HELP DESK Electronic Greenhouse Gas Reporting Tool
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😧 e-GGRT Help	Angkor Subpart O: HCFC-22 Production a Subpart Overview + HCFC-22 Production Process In	nd HFC-23 Destruction (2019)
	HCFC-22 PRODUCTION	
	Use this page to report information about the facility: process.	S On-Site HCHC-22 production HFC-23 emissions (metric tons)
	PROCESS IDENTIFIER	teet?
	SUBPART O PROCESS INFORMATION	
	Annual mass of HCFC-22 produced by the Process (Calculated Using Equation 0-3)	(metric tons)
	Reactants Fed into the Process	
	ADD a Reactant	De process (neuric tons)
	The combined mass of all materials other than HCFC-22 and HFC-23 (i.e., unreacted reactants, HCl and other by-products) that occur in more than trace concentrations and that are permanently removed from the process	(metric tons)
	Indicate whether the annual mass of combined mass of all materials other than HCFC-22 and HFC-23 for the process is based on a missing data procedure	© Yes © No
	Number of hours that a missing data procedure was used to determine the annual mass of combined mass of all materials other than HCFC- 22 and HFC-23	(hours)
	Method for tracking startups, shutdowns, and malfunctions and HFC-23 generation/emissions during these events	A
	EQUIPMENT LEAKS, EL (part of Equation O-5)	
	Annual mass of HFC-23 emitted from all equipment leaks from the process	(metric tons)
	Indicate whether the annual mass of HFC-23 emitted from all equipment leaks from the process is based on a missing data procedure	© Yes ◎ No
	PROCESS VENTS, EPV (part of Equation O-5)	
	Annual mass of HFC-23 emitted from all process vents for the process	(metric tons)
	Indicate whether the annual mass of HFC-23 emitted from all process vents for the process is based on a missing data procedure	© Yes ◎ No
	DESTRUCTION DEVICES ED (input to Equation O-5) Annual mass of HFC-23 emitted from all destruction processes (devices)	(metric tons)
	Unique Name/Identifier + ADD an On-Site Destruction Process	Mass of HFC-23 emitted (metric tons) Status ¹ De
	HFC-23 EMISSIONS (Output of Equation O-5) $E_{23} = E_L + E_{P1}$	v+ED
	Hover over an e	lement in the equation above to reveal a definition of that element.
	Annual HFC-23 Emissions from the Process (Calculated Using Equation O-5)	0 (metric tons)

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🕜 e-GG	GRT Help	Angkor Subpart O: HCFC-2 Subpart Overview » HCFC-22	22 Production an Production Process Inf	nd HFC-23 [formation	Destruction	(2019)
		HCFC-22 PRODUCTION Use this page to report infor process.	mation about the facility's	on-site HCFC-22	production	0 HFC-23 emissions (metric tons)
		PROCESS IDENTIFIER	duct Process Name/ID	test2		
		SUBPART O PROCESS INFO	ORMATION			
		Annual mass of HCF Process (Calculated	C-22 produced by the d Using Equation O-3)	Use Inputs Veri	(metric) fier to calculate	tons) GO
		Reactants Fed into the Proc	ess	und manage find inte	41	tria (ana)
		ADD a Reactant	Ann	ual mass ted into	the process (me	und tons) Delete
		The combined mass of a HCFC-22 and HFC-23 (i.e. HCI and other by-produc than trace conce	Il materials other than , unreacted reactants, ts) that occur in more ntrations and that are		(metric	tons)
		Indicate whether the annu mass of all materials oth HFC-23 for the process	ual mass of combined her than HCFC-22 and is based on a missing data procedure	YesNo		
		Number of hours that a m was used to determin combined mass of all mater	issing data procedure ne the annual mass of ials other than HCFC- 22 and HFC-23		(hours)	
		Method for tracking star malfunctions and HFC-23	tups, shutdowns, and generation/emissions during these events			<i>i</i> .
		EQUIPMENT LEAKS, EL (par	t of Equation O-5)			
		Annual mass of HI equipment le	FC-23 emitted from all eaks from the process		(metric	tons)
		Indicate whether the ar emitted from all equi process is based on a mi	nnual mass of HFC-23 ipment leaks from the issing data procedure	O Yes O No		
		PROCESS VENTS, EPV (par	t of Equation O-5)			
		Annual mass of HFC-23 em	itted from all process vents for the process		(metric	tons)
		Indicate whether the ar emitted from all process ve based on a mi	nnual mass of HFC-23 ents for the process is issing data procedure	○ Yes ○ No		
		DESTRUCTION DEVICES FI) (input to Equation O-5)			
		Annual mass of HI destruction	FC-23 emitted from all n processes (devices)		(metric	tons)
		Unique Name/Id	entifier	Mass of HFC-2	3 emitted (metric	: tons) Status ¹ Delete
		+ ADD an On-Site Destruction	on Process			
		HFC-23 EMISSIONS (Output	of Equation O-5) $E_{23} = E_L + E_{PV}$	+ E _D		
			Hover over an ele	ement in the equat	ion above to revea	al a definition of that element.
		Annual HFC-23 Emissi	ons from the Process		0	(metric tons)



Off-Site HFC-23 Destruction Facility Information

If you select "Yes," the facility sends HFC-23 offsite for destruction, e-GGRT will require you to add an off-site destruction facility that received the HFC-23. Click "+ADD an Off-Site Destruction Facility." Under the "OFF-SITE DESTRUCTION FACILITY" web page, you are required to enter the following information:

- Facility Information
- Quantity of HFC-23 sent to this facility
- Is the quantity of HFC-23 sent to this facility based on a missing data procedure?
 - For RY2017 and later years, you are required to provide the following information if you respond "Yes."
 - Identify the parameter for which the missing data procedure was used. If you select "Other," you are required to provide the parameter type in a new cell.
 - Provide the number of hours a missing data procedure was used to determine the quantity of HFC-23 sent to this facility.
 If a missing data procedure was used for more than one parameter (e.g., both mass-flow and concentration), select "Other" for the parameter type. A new cell will appear so that you can write in the actual parameter type. In that cell, list each parameter individually, as well as the number of hours a missing data procedure was used for that parameter. (In the cell for "Number of hours a missing data procedure was used to determine the quantity of HFC-23 sent to this facility," provide the sum of all of the hours a missing data procedure was used for all parameters.)
 - For RY2016 and earlier years, if the quantity of HFC-23 sent to the facility is based on a missing data procedure, you are required to
 provide the number of hours a missing data procedure was used.

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	OF	F-SITE DESTRUCTION FACIL	ITY INFORMATION			
	Us fro	e this page to report information m your facility.	about each off-site	facility that receiv	ves HFC-23	* denotes a required field
	OFF	-SITE DESTRUCTION FACILIT	Υ			
		Facility Name	•			
		Street Address	•			
		City ³	•			
		State	Select	۲		
		Zip/Postal Code	•			
	Q	uantity of HFC-23 sent to this facility			(metric tons)	
		Is the quantity of HFC-23 set based on a missing o	nt to this facility data procedure?	○ Yes ○ No		
		VECANCEL				
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🕐 e-GGF	RT Help Sub Sub Subp	part C Alt Part 75 part O: HCFC-22 F art Overview » Off-Site Destru	Production ar uction Facility	nd HFC-23 Des	structior	ı (2017)	
	OF	F-SITE DESTRUCTION FACIL		4			
	Use from	e this page to report informatio n your facility.	n about each off-site	facility that receives H	HFC-23	* denotes a required f	ield
	OFF-	SITE DESTRUCTION FACILI	ΓΥ				
		Facility Name	*				
		Street Address	*				
		City	*				
		State	* Select	T			
		Zip/Postal Code	*				
	Qu	antity of HFC-23 sent to this facility		(m	netric tons)		
		Is the quantity of HFC-23 se based on a missing	ent to this facility data procedure?	○ Yes ○ No			
	SAV	CANCEL					
Paperwork R	eduction Act Burden Stateme	ent Contact Us			e-GGRT F	RY2017.R27-j130r35508	0-offsitedestructionfac

When the form has been completed, click "SAVE." This will return you to the SUBPART OVERVIEW page.

On-Site HFC-23 Destruction Process Information

For RY2018 and later, if you select "Yes," the facility does destroy HFC-23 onsite, here you should add each on-site destruction process at the facility that is NOT directly connected to HCFC-22 production equipment. (Note: Destruction devices that ARE directly connected to HCFC-22 production equipment, should already have been added under the "HCFC-22 Production Process Information" webpage. Under the "ON-SITE HFC-23 DESTRUCTION PROCESS INFORMATION" table, click "+ADD an On-Site Destruction Process". A web page for "ON-SITE DESTRUCTION FACILITY INFORMATION" will open.

You will be asked to provide a destruction process identifier and description, outlet concentration, and any missing data information for each destruction process. e-GGRT will also require you to use the IVT to calculate Equation O-8 and O-9 results when making entries on this web page. You will be asked to provide the HFC-23 feed, destruction efficiency, and information on how the destruction efficiency is determined. See Subpart O Entering Equation Inputs Using IVT for RY2014 and Later for information on using IVT.

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	ELUCION SA Mass of MEC2 destroyed arrivally press and
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😧 e-GGRT Help	Angkor Subpart O: HCFC-22 Production and H Subpart Overview - On-Site Destruction Process	IFC-23 Destruction (2018)
	ON-SITE DE STRUCTION FACILITY INFORMATION Use this page to report information about each on-site HFC This screen is only for destruction processes not an on-site HCFC-22 production process. Destruction on-site production process. Network of the Subpart Overview for that process.	23 destruction process. Sirrectly connected to an OPEN button on the * destruction process (metric low) * denotes a required field
	DESTRUCTION PROCESS	
	Unique Nameloenuner*	
	Description of Destruction Process	
	Was the HFC-23 fed into the on-site destruction O Ye process originally generated by an on-site HCFC- 22 production process?* O No	
	HFC-23 FED INTO THE DESTRUCTION DEVICE	
	Is the annual mass of HFC-23 fed into the O Ye destruction device at the facility based on a missing data procedure? O No	
	HFC-23 EMITTED FROM THE DESTRUCTION DEVICE	
	Is the annual mass of HFC-23 emitted from the O ye destruction device at the facility based on a missing data procedure? O No	
	HFC-23 CONCENTRATION	
	Concentration of HFC-23 measured at the outlet of the destruction device during the facility's annual HFC-23 concentration measurements at the outlet of the device	(mass fraction)
	Is the concentration below the detection limit? ${}^{\odot}$ γ_{e} ${}^{\odot}$ Nc	
	Was the HFC-23 concentration measured $_{\rm O}$ $\gamma_{\rm B}$ pursuant to 586.154(i) greater than that measured during the performance test that was: $_{\rm O}$ No the basis for the destruction efficiency?	
	HFC-23 OTHER	
	Have you made changes that affect the HFC-23 0 Ye destruction efficiency or the methods used to record the quantity destroyed? 0 No	
	HEC-23 EMISSIONS (Output Equation O.4)	
	Annual mass of HFC-23 emitted from the destruction process (device)	(metric tons) Inputs Verifier to calculate GO
	EQUATION 0-9 Mass of HFC-23 destroyed annually	(metric tons)
	The Equation O-9 result calo will not be included in your a determining your facility's tou destruction process (Equation	lated by NT is not an annual reporting requirement and nual report. This calculated result will be used in annual HFC-23 process emissions emitted from the O-8).
	SAVE CANCEL	
Paperwork Reduction Act Burder	Statement Contact Us	+GGRT RY2018.R26-j404 O-onsiledestructionfac

For RY2014 and later, e-GGRT will require you to use the IVT to calculate Equation O-8 and O-9 results when making entries on this web page. You will be asked to provide the HFC-23 feed, destruction efficiency, and information on how the destruction efficiency is determined. See Subpart O Entering Equation Inputs Using IVT for RY2014 and Later for information on using IVT.

Click "SAVE." This will return you to the SUBPART OVERVIEW page.

RY2013 and Prior Years

HCFC-22 Production Process Information

You will provide a single process name and identify the appropriate subpart O equation for process emissions. You must enter

- A unique name/identifier
- The equation used to calculate production process emissions:
 - Equation O-4 must be selected if the production process does not use a destruction device or does not have a destruction device directly connected to the HCFC-22 production equipment.
 - Equation O-5 must be selected if the production process uses a destruction device connected to the HCFC-22 production equipment.

After selecting the appropriate equation, click "SAVE."

In the HCFC-22 Production Process Information table, click the "OPEN" button to provide information on the process.

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Angkor	
Subpart O: HCFC-22 Production a Subpart Overview _HCFC-22 Production Process In	nd HFC-23 Destruction (2013) formation
HCFC-22 PRODUCTION	
Use this page to report information about the facility's process.	I on-site HCFC-22 production HE/C-23 emissions (metric tons)
	Waltra 2
SUBPART O FACILITY INFORMATION	
Annual mass of HCFC-22 produced	(metric tons)
Reactants Ead into the Process	
Reactant Ann	ual mass fed into the process (metric tons)
+ ADO a Reactant	
The combined mass of all materials other than	(metric tons)
HCFC-22 and HFC-23 (i.e., unreacted reactants, MCI and other by conducts) that occur in more	
than trace concentrations and that are	
permanentry removed from the process	O vier
mass of all materials other than HCFC-22 and	
HFC-23 at the facility is based on a missing data procedure	O No
Number of hours that a missing data procedure	(hours)
was used to determine the annual mass of combined mass of all materials other than HCFC-	
22 and HFC-23	
Method for tracking startups, shutdowns, and	
during these events	
HFC-23 EMISSIONS (Output of Equation O-4)	
Annual HFC-23 Emissions from the Facility	(metric tons)
Calculated Using Equation O-4	
EQUIPMENT LEAKS, EL (part of Equation Q-5)	
Annual mass of HFC-23 emitted from all	(metric tons)
equipment leaks at the facility	
Was the annual mass of HFC-23 emitted from all equipment leaks at the facility based on a	® Yes
missing data procedure?	© No
Number of hours a missing data procedure was	(hours)
emitted from all equipment leaks	
PROCESS VENTS, EPV (part of Equation O-5)	
Annual mass of HFC-23 emitted from all process	(metric tons)
vents at the facility	
Was the annual mass of HFC-23 emitted from all process yents at the facility based on a missing	® Yes
data procedure?	© No
Number of hours a missing data procedure was	(hours)
emitted from all process vents	
HFC-23 EMISSIONS (Output of Equation Cult)	
Annual HFC-23 Emissions from the Facility	(metric tons)
Coloridate d Halas Farratian O.A	
Calculated Using Equation 0-5	
SAVE CANCEL	
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FACILITY REGIST	RATION FACILITY MANAGEMENT DATA REPORTING	HELP DESK	Electronic Greenheuse Gas Reporting Tool Hello, Isaac Looke My Profile
IRT Help	Angkor Subpart O: HCFC-22 Production a Subpart Overview _ HCFC-22 Production Process	ind HFC-23 Destru	ction (2013)
	HCFC-22 PRODUCTION Use this page to report information about the facility process.	s on-site HCFC-22 production	0) HFC-23 emissions (metric tons)
		Waiting 19	
	SUBPART O FACILITY INFORMATION Annual mass of HCFC-22 produced		(metric tons)
	Reactants Fed into the Process		
	ADD a Reactant	nual mass ted into the proc	ess (metric tons)
	The combined mass of all materials other than HCFC-22 and HFC-23 (i.e., unreacted reactants, HCI and other by-products) that occur in more than trace concentrations and that are permanently removed from the process		(metric tons)
	Indicate whether the annual mass of combined mass of all materials other than HCFC-22 and HFC-23 at the facility is based on a missing data procedure	O Yes O No	
	Number of hours that a missing data procedure was used to determine the annual mass of combined mass of all materials other than HCFC- 22 and HIC-23		(hours)
	Method for tracking startups, shutdowns, and malfunctions and HFC-23 generation/emissions during these events		
	NEC 21 EMISSIONS (Control of Excellen Cul)		
	Annual HFC-23 Emissions from the Facility Calculated Using Equation O-4		(metric tons)
	EQUIPMENT LEAKS, EL (part of Equation O-5)		
	Annual mass of HFC-23 emitted from all equipment leaks at the facility		(metric tons)
	Was the annual mass of HFC-23 emitted from all equipment leaks at the facility based on a missing data procedure?	® Yes © No	
	Number of hours a missing data procedure was used to determine the annual mass of HFC-23 emitted from all equipment leaks		(hours)
	PROCESS VENTS, EPV (part of Equation 0-5)		
	Annual mass of HFC-23 emitted from all process vents at the facility		(metric tons)
	Was the annual mass of HFC-23 emitted from all process vents at the facility based on a missing data procedure?	® Yes © No	
	Number of hours a missing data procedure was used to determine the annual mass of HFC-23 emitted from all process vents		(hours)
	HFC-23 EMISSIONS (Output of Equation O-5) Annual HFC-23 Emissions from the Facility		(metric tons)
	Calculated Using Equation O-5		
	SAVE CANCEL		

Next to the quesion "Annual mass of HCFC-22 produced," enter the quantity of HCFC-22 production.

In the "Reactants Fed Into the Process" table, add each reactant to the table by clicking the "+ADD a Reactant" button. Indicate the reactant fed, the annual mass fed, and details regarding any use of missing data. Click "SAVE" to complete the entry. Complete an entry for each reactant.

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) e-GGRT Help	Sub Sub Subp	part C Alt Part 75 part O: HCFC-22 art Overview _ HCFC-22 Pro	Production an duction Process Info	nd HFC-23 Dest	truction (2017)	
	Pier	ACTANT FED INTO THE PR	OCESS		* denotes a required field	
		Reactant fe	d into the process*	Select	Ŧ	
	1	Annual mass of reactant fe	d into the process		(metric tons)	
	Indic	ate whether the annual ma into the process is based	on a missing data procedure	© Yes © No		

HOME FACILITY REGIST	ATION FACILITY MANAGEMENT DATA REPORTING HELP DESK	E-GGRT
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📀 e-GGRT Help	Subpart C Alt Part 75 Subpart O: HCFC-22 Production and HFC-23 De Subpart Overview = HCFC-22 Production Process Information = Reactant	estruction (2017)
	Please complete the form below.	* denotes a required field
	Reactant fed into the process * Select	Ŧ
	Annual mass of reactant fed into the process	(metric tons)
	Indicate whether the annual mass of the reactant fed into the process is based on a missing data procedure No	
	SAME CANCEL	
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Provide the information for the combined mass of all materials other than HCFC-22 and HFC-23, and any missing data, and tracking information for startups, shutdowns, and malfunctions.

Entering HFC-23 Emissions:

- If the facility selected use of Equation O-4, then a box for Equation O-4 entry will be shown under the HFC-23 EMISSIONS (Output of Equation O-4) section. Provide the Annual HFC-23 Emissions from the facility calculated using Equation O-4. Click "SAVE."
- If the facility selected use of Equation O-5, then Equation O-5 and the associated variables will be shown. Provide the equipment leak emissions and the process vent emissions, along with details regarding any use of missing data for each. For the "Annual HFC-23 emissions from the facility" calculated using Equation O-5, provide the annual HFC-23 emissions result for Equation O-5, including equipment leak emissions, process vent emissions, and the destruction device emissions.

Click "SAVE."

Off-Site HFC-23 Destruction Facility Information

If you select "Yes," the facility sends HFC-23 offsite for destruction, e-GGRT will require you to add an off-site destruction facility that received the HFC-23. Click "+ADD an Off-Site Destruction Facility." Under the "OFF-SITE DESTRUCTION FACILITY" web page, you are required to enter the following information:

- Facility Information
- Quantity of HFC-23 sent to this facility
- If the quantity of HFC-23 sent to the facility is based on a missing data procedure, you are required to provide the number of hours a missing data procedure was used.
 - >> Click this link to expand

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• • GORT Hup	Subpart C Alt Part 75 Subpart O: HCFC-22 Production and HFC-23 Desi Subpart Overview = 0ff-site Destruction facility OFF-SITE DESTRUCTION FACILITY INFORMATION Use this page to report information about each off-site facility that receives MP from your facility OFF-SITE DESTRUCTION FACILITY Facility Name * Street Address * City * Street Address * City	truction (2017) C-23 * denotes a required field tric tons)	
Paperwork Reduction Act Burden St	atement Contact Us	e-GGRT RY2017.R27-j130/35508 C-offsitedestructionflec	
ROME FACIL	Environmental Protection Agency IN REGISTRATION FACILITY MANAGEMENT Subpart C Alt Part 75 Subpart O: HCFC-22 Subpart Overview = 0ff-Site De	DATA REPORTING HELP DESK Production and HFC-23 D	Electronic Growthease Cas Reporting Tool Holo, haar Looks My Profile Logout estruction (2017)
	Use this page to report informs from your facility.	tion about each off-site facility that receive	s HFC-23
	OFF-SITE DESTRUCTION FAC Facility Na Street Addre C St Zip/Postal Co Quantity of HFC-23 sent to t faci is the quantity of HFC-22 based on a missi	ILITY me* iss* ity* ate* Select * ide* his issent to this facility Ores ng data procedure? Ores O No	(metric tons)
	SAVE CANCEL		
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When the form has been completed, click "SAVE." This will return you to the SUBPART OVERVIEW page.

On-Site HFC-23 Destruction Process Information

If you select "Yes" the facility destroys HFC-23 onsite, e-GGRT will require you add an on-site destruction process. Under the "ON-SITE HFC-23 Destruction Process." A webpage for "ON-SITE DESTRUCTION FACILITY INFORMATION" will open. You are required to enter the following information:

- Unique Name/Identifier (description of destruction process)
- In the HFC-23 FED INTO THE DESTRUCTION DEVICE section and in the HFC-23 EMITTED FROM THE DESTRUCTION DEVICE section, indicate whether a missing data procedure was used to calculate the amounts fed to the device or emitted from the device using the "Yes" or "No" radio buttons (if you provide information for a missing data procedure that was used to calculate the amounts fed to the device, you do not need to repeat the same information for the amounts emitted from the device). If you select "Yes," report the number of hours a missing data procedure was used.
- HFC-23 concentration measured at the outlet of the device and whether the concentration is below the detection limit
- Whether the HFC-23 concentration measured under §98.154(I) is greater than the concentration measured during the performance test that is the basis for the destruction efficiency.

- Changes that have been made which affect destruction efficiency or recording destroyed quantities. If you selected "Yes," provide information on the methods used to determine the destruction efficiency, methods used to record the mass destroyed, and other relevant regulations that apply In the HFC-23 Emissions section for Equation O-8, provide the emissions calculated using Equation O-8.

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акт ныр	Angtor Subpart O: HCFC-22 Production and HFC-23 Destruction (2012) Suspar Denvice 4 De Sile Destruction Process			
	ON-SITE DESTRUCTION FACILITY INFORMATION Use this page to report information about each on-about	HFC-22 destruction process.		
		denotes a required field		
		Walling V-		
	Unique Narselidentifier*			
	Description of Destruction			
	Process	4		
	HPC-22 FED INTO THE DESTRUCTION DEVICE			
	Is the annual mass of HFC-33 fed into the destruction device at the facility based on a missing data procedure?	* Ves © No		
	Number of hours a missing data procedure was used to determine the annual mass of HFC-02 fed into the destruction device	(hours)		
	HPG-23 EMITTED FROM THE DESTRUCTION DEVIC	2		
	is the annual mass of HFC-23 emitted from the destruction device at the facility based on a missing data procedure?	8 Yes O No		
	Number of hours a missing data procedure was used to determine the annual mass of HFC-23 emitted from the destruction device	(7993)		
	HFC-23 CONCENTRATION			
	Concentration of HPC-23 measured at the outlet of the destruction device during the facility's annual HPC-23 concentration measurements at the outlet of the device	(mass fraction)		
	Was the HFC-23 concentration measured parsuant to §06.156() greater than that reasured during the performance test that was the basis for the destruction efficiency?	8 γes Ο No		
	NEC-23 OTHER			
	Nave you made changes that affect the NFC-23 destruction efficiency or the methods used to record the quantity destroyed?	8 Yes O No		
	Methods used to determine destruction efficiency			
	Methods used to record the mass of HFC-23 destroyed			
	Name of other relevant federal or state regulations that may apply to the destruction process			
	HFC-23 EMISSIONS (Duted Equation D-8)			
	Annual mass of HFC-22 emitted from the destruction process (device)	(vet/s tons)		
	SAVE CANCEL			

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	ON-SITE DESTRUCTION FACILIT Use this page to report information	TY INFORMATION about each on-sit	I e HFC-23 destruct	ion process.	Annual mass of HFC-23 emitted from the destruction process (metric tons)
					denotes a required field
			Waiting		
	DESTRUCTION PROCESS				
	Unique Name/Identifier*	·			
	Description of Destruction Process				11
	HFC-23 FED INTO THE DESTRUCT				
	Is the annual mass of HFC destruction device at the fac missing d	-23 fed into the ility based on a lata procedure?	● Yes ○ No		
	Number of hours a missing data used to determine the annual fed into the des	procedure was mass of HFC-23 struction device		(hours)	
	HFC-23 EMITTED FROM THE DES	TRUCTION DEVIC	CE		
	Is the annual mass of HFC-23 e destruction device at the fac missing o	mitted from the ility based on a lata procedure?	● Yes ○ No		
	Number of hours a missing data used to determine the annual emitted from the des	procedure was mass of HFC-23 struction device		(hours)	
	HFC-23 CONCENTRATION				
	Concentration of HFC-23 measu of the destruction device duri annual HFC-23 concentration m the out	red at the outlet ing the facility's easurements at let of the device		(mass fra	action)
	Was the HFC-23 concentr pursuant to §98.154(I) g measured during the performan the basis for the destruc	ation measured reater than that ce test that was tion efficiency?	® Yes ◎ No		
	HFC-23 OTHER				
	Have you made changes that at destruction efficiency or the m record the quar	fect the HFC-23 tethods used to tity destroyed?	● Yes ◎ No		
	Methods used to determ	ine destruction efficiency			
	Methods used to record the	mass of HFC-23 destroyed			
	Name of other relevant regulations that may apply to	federal or state the destruction process			
	HFC-23 EMISSIONS (Output Equati	on O-8)			
	Annual mass of HFC-23 e destruction p	mitted from the rocess (device)			(metric tons)
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