Report Preview

Company Details					
Name	MSSC Canada				
Report Details					
Report Status:	Submitted - 2023-01-13 9:31:48 AM				
Reporting Period:	2021				
Facility Name:	MSSC Canada				
Facility Address:	201 Park Avenue Chatham (Ontario) N7M 3V7Canada				
Report Type:	Report ECCC & ON				
Report Update Comments:	There may be incorrect information in the report.				
Verify Facility Information					
Please verify the following information.					
Company Information					
Legal Name *	MSSC Canada				
English Trade Name					
French Trade Name					
Business Number	849292990				
DUNS Number					
Facility Details					
Facility Name *	MSSC Canada				
Physical Address *	201 Park Avenue Chatham (Ontario) N7M 3V7 Canada 42.40060 -82.17390				
Primary NAICS Code *	336330				
GHGRP ID	G10830 (Assigned by ECCC)				

ON GHG ID 1236 (Assigned by Ontario MECP) **NPRIID** 805 Reporter Name \* George Clifford Position \* **Environmental Health and Safety Specialist** Mailing Address \* 201 Park Avenue East, Chatham (Ontario), N7M 3V7, Canada Physical Address \* 201 Park Avenue East, Chatham (Ontario), N7M 3V7, Canada Email Address \* george.clifford@msscna.com Telephone Number \* 5193541100 Ext. 235 **Authorized Signing Officer (Certifying Official)** Name \* George Clifford Position \* **EH&S** Coordinator Mailing Address \* 201 Park Avenue East, Chatham (Ontario), N7M 3V7, Canada Physical Address \* 201 Park Avenue East, Chatham (Ontario), N7M 3V7, Canada Email Address \* george.clifford@msscna.com Telephone Number \* 5193541100 Ext. 235 Parent Company Information **Empty Facility Activities Activities** You must select at least one activity

Other Sectors (ON MECP)	
Is this facility registered or required to register in Onta	rio's Emissions Performance Standard Program? *
No	
Is this report for a multi-site facility? *	
No. This report is for a single site.	
Output-Based Pricing System	
Is this facility subject to federal OBPS reporting and domethodologies for GHGRP reporting? Important notes when quantifying GHG emissions is provided only for	o you choose to use the same emissions quantification The option to use OBPS specific methodologies activities that are not listed as ON MECP. *
No	
Fuel Combustion	
Fuel Combustion	
Electricity Generation **	
N/A     N/A	
Empty	
Steam Generation **	
N/A	
Empty	
Flaring **	
⊠ N/A	
Empty	
All Other Stationary Fuel Combustion	**
□ N/A	
Press Save after selecting your fuel to populate non-e	ditable fields
Fuel *	Natural Gas
Fuel Classification	Non Riomass
1 doi Olassilloation	Non-Biomass
Fuel Type	Gas
Fuel Unit	m3

m3

Fuel Description							
Amount of Fuel Co MJ (if selected)) **	nsumed (Default fuel	l unit or	Energy l	Jnits(MJ) **			
4408454.8							
Source of Coal (Dor Country) **	nestic - by province, Fo	oreign-by					
Measured and Weig (MJ/unit of fuel cons	hted Higher Heating V umed) **	'alue	4408454	l.8			
Measured and Weig C/unit of fuel consur	hted Carbon Content ( ned) **	(kg of					
Measured Temperat	ture (°C) **		0				
Measured Pressure	(kPa) **		0				
Moisture Content (m	nass fraction) **						
Emissions							
N/A **	Gas	Methodol	ogy **	Emissions (t) **	Emissions (t CO2e)		
	CO2	Eq 2-1		20708.36	20708.36		
	CH4	Eq 2-12		0.407	10.175		
	N2O	Eq 2-12		0.364	108.472		
Carbon Dioxide Emi	ssion Factor **		201.96				
Carbon Emission Fa	actor Units **		g/m3				
Methane Emission F	actor **		0.037				
Methane Emission Factor Units **			g/m3				
Nitrous Oxide Emiss	sion Factor **		0.033				
Nitrous Oxide Emiss	sion Factor Units **		g/m3				

Oxidation Factor (0.0~1.0) if u	used **		
Steam Produced (t) **			
Boiler Measured Temperature	e (°C) **		
Boiler Measured Pressure (kF	Pa) **		
Ratio of Boiler's Design Rated to Design Rated Steam Outposteam) **	d Heat Input, Capacity ut Capacity (kJ/t of		
Waste Incineration (	ON MECP) **		
⊠ N/A	,		
Empty			
Annual emissions fro	om the use of sorbent (ON M	ECP)	
N/A ** Gas	Methodology * Emiss	sions (t) **	Emissions (t CO2e)
⊠ CO2			
Electricity Informatio	n		
N/A	Description	Value **	
$\boxtimes$	Gross Electricity Generated Onsite (MWh)		
$\boxtimes$	Additional electricity generated on-site		
$\boxtimes$	Electricity Sold Off-site (MWh)		
$\boxtimes$	Electricity Lost On-site (MWh)		
	Electricity Purchased (MWh)	5832	
Steam/Heat Informa	tion		
N/A	Description	Value **	
×	Gross Steam and Heat Generated On-Site (MJ)		
X			

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	Gross Steam and Heat used to Generate Electricity On-Site (MJ)
$\boxtimes$	Steam and Heat Sold Off-site (MJ)
$\boxtimes$	Steam and Heat Purchased (MJ)
$\boxtimes$	Steam or Heat Lost On-Site (MJ)
	Documentation *  pplier or fuel sampling, analysis and consumption measurement tity, carbon content, high heat value and/or emission factor used.
File Name	Date
Gas-Water-Hydro Consumptions - On-Site Transportation	2019 - 2022.xlsx 2022-11-17 1:44:43 PM
On-Site Transportation	
Emissions by Fuel Type	**
⊠ N/A	
Empty	
Facility/Source-specific I	Documentation
• • • • • • • • • • • • • • • • • • • •	pplier or fuel sampling, analysis and consumption measurement tity, carbon content, high heat value and/or emission factor used.
Documents **	
⊠ N/A	
Empty	
De Minimis Emissions (C	ON MECP)
De minimis emissions qu	uantified using methods other than the
quantification methodolo	gies set out in the Guidelines for Greenhouse Gas
Emissions Reporting.	
Emissions	
Empty	

## Total De Minimis Emissions by activity (t CO2e)

## **Empty**

## Section A

Report the direct greenhouse gas emissions for this facility for the period identified above.

Click Validate to check for errors and Save/Continue to save the information. If there are any errors, they will be flagged. If there are no errors, the page will be Complete.

N/A = Not ApplicableMDM = Monitoring or Direct MeasurementMB = Mass BalanceEF = Emission FactorsEE = Engineering EstimatesQR = Canada's Greenhouse Gas Quantification Requirements

- Liigiileei	ing Estimate	osqiv – Can	aua 3 Oleen	illouse Gas v	Quantinoatio	ii ixequireine	iilo		
Stationary Fuel Combustion Emissions									
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)	
	Carbon Dioxide (CO2)					$\boxtimes$	20708.3 6	20708.3 6	
	Methane (CH4)					X	0.407	10.175	
	Nitrous Oxide (N2O)					$\boxtimes$	0.364	108.472	
Sub-total				208	27.007				
Industri	al Proce	ss Emis	sions						
N/A	Substanc e Name		MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)	
X	Carbon Dioxide (CO2)								
X	Methane (CH4)								
X	Nitrous Oxide (N2O)								
Sub-total									

Venting	Emissio	กร (inclu	uding ver	nted Fori	mation C	O2)		
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
$\boxtimes$	Carbon Dioxide (CO2)							
X	Methane (CH4)							
$oxed{oxtimes}$	Nitrous Oxide (N2O)							
Sub-total								
Flaring	Emission	าร						
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
$\boxtimes$	Carbon Dioxide (CO2)							
X	Methane (CH4)							
$\boxtimes$	Nitrous Oxide (N2O)							
Sub-total								
Leakag	e Emissi	ons						
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
$\boxtimes$	Carbon Dioxide (CO2)							
X	Methane (CH4)							

N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)			
Wastew	ater Em	issions									
Sub-total											
×	Nitrous Oxide (N2O)										
X	Methane (CH4)										
$\boxtimes$	Carbon Dioxide (CO2)										
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)			
Waste E	mission	S									
Sub-total											
$\boxtimes$	Nitrous Oxide (N2O)										
×	Methane (CH4)										
$\boxtimes$	Carbon Dioxide (CO2)										
N/A	Substanc e Name		MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)			
On-site Transportation Emissions											
Sub-total											
$\boxtimes$	Nitrous Oxide (N2O)										

$\boxtimes$	Carbon Dioxide (CO2)											
$\boxtimes$	Methane (CH4)											
X	Nitrous Oxide (N2O)											
Sub-total												
Comme	nts											
population femissions that added and if a provinci	Do the emissions values on this screen match those reported on activity screens? (i.e., the automatic population feature was used to populate emissions totals and those values were not changed and no other emissions totals were added) If you select "No", please explain what emission values were changed or added and why in the Comments box. Note: If no activities were selected on the Facility Activities screen or if a provincial report was uploaded (if applicable) please select "Yes". In either of these cases, no input is required in the Comments box. *											
Yes												
Comments:	Comments: (max 4000 characters) **											
Section												
•	•	•		•	•	d identified a any errors, tl						
		page will be		illioilliation	i ii iiieie aie	arry errors, u	ney will be ii	agged. II				
			-	n are not incl	uded in the	total reported	I to Environn	nent and				
	ange Canad											
			_			ass BalanceE n Requireme		n FactorsEE				
Biomas	Biomass Combustion Emissions											
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)				
$\boxtimes$	Carbon Dioxide (CO2)											
Comme	nts											

Do the emissions values on this screen match those reported on activity screens? (i.e., the automatic population feature was used to populate emissions totals and those values were not changed and no other

emissions totals were added) If you select "No", please explain what emission values were changed or added and why in the Comments box. Note: If no activities were selected on the Facility Activities screen or if a provincial report was uploaded (if applicable) please select "Yes". In either of these cases, no input is required in the Comments box. \*

Yes		
Comments: (max 4000 characters) **		
Section C		

## Section C

Report the direct emissions of HFCs, PFCs and SF6 from industrial processes and industrial product use only for this facility for the period identified above.

Click Validate to check for errors and Save/Continue to save the information. If there are any errors, they will be flagged. If there are no errors, the page will be Complete.

N/A = Not ApplicableMDM = Monitoring or Direct MeasurementMB = Mass BalanceEF = Emission FactorsEE = Engineering EstimatesQR = Canada's Greenhouse Gas Quantification Requirements

N/A	ofluorocarbon Substanc MD	M ** MB **	EF **	EE **	QR **	Emission	Emission
IN/A	e Name	INI INID	ЕГ	<u> </u>	QК	s (t) **	s(t CO2e)
$\boxtimes$	HFC-23 (CHF3) □						
X	HFC-32 (CH2F2) □						
$\boxtimes$	HFC-41 (CH3F)						
X	HFC-43- 10mee (C5H2F1 0)						
$\boxtimes$	HFC-125 (C2HF5) □						
×	HFC-134 (C2H2F4						
$\boxtimes$	HFC- 134a (C2H2F4						

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	)			
$\boxtimes$	HFC-143 (C2H3F3 )			
$\boxtimes$	HFC- 143a (C2H3F3			
$\boxtimes$	HFC-152 (C2H4F2 )			
$\boxtimes$	HFC- 152a (C2H4F2			
$\boxtimes$	HFC-161 (C2H5F)			
$\boxtimes$	HFC- 227ea (C3HF7)			
$\boxtimes$	HFC- 236cb (C3H2F6			
$\boxtimes$	HFC- 236ea (C3H2F6			
X	HFC- 236fa (C3H2F6			
×	HFC- 245ca (C3H3F5			

X	HFC- 245fa (C3H3F5						
$\boxtimes$	HFC- 365mfc (C4H5F5						
Total							
Perfluor	ocarbor	ı (PFC) I	Emission	ıs			
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission Emission s(t) ** s(t CO2e)
×	Perfluoro methane (CF4)						
X	Perfluoro ethane (C2F6)						
$oxed{oxed}$	Perfluoro propane (C3F8)						
X	Perfluoro butane (C4F10)						
$\boxtimes$	Perfluoro cyclobut ane (c- C4F8)						
X	Perfluoro pentane (C5F12)						
X	Perfluoro hexane (C6F14)						
$\boxtimes$					П	П	

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	Perfluoro decalin (C10F18							
$oxed{oxtimes}$	Perfluoro cyclopro pane (c- C3F6)							
Total								
Sulphur	Hexaflu	oride (S	F6) Emis	ssions				
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
X	Sulphur hexafluo ride (SF6)							
Nitrogen Trifluoride (NF3) Emissions								
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
×	Nitrogen Trifluorid e (NF3)							
Comments								
Do the emissions values on this screen match those reported on activity screens? (i.e., the automatic population feature was used to populate emissions totals and those values were not changed and no other emissions totals were added) If you select "No", please explain what emission values were changed or added and why in the Comments box. Note: If no activities were selected on the Facility Activities screen or if a provincial report was uploaded (if applicable) please select "Yes". In either of these cases, no input is required in the Comments box. *								
Yes								
Comments: (max 4000 characters) **								
Summary								
Summary  No input required - GHG totals are calculated automatically.								
Total GHG Emissions for the Facility								
			Em	issions (t)		Emissio	ons (t CO2e)	

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Carbon Dioxide (CO2)	20708.36	20708.36
Methane (CH4)	0.407	10.175
Nitrous Oxide (N2O)	0.364	108.472
Hydrofluorocarbons (HFCs)		
Perfluorocarbons (PFCs)		
Sulphur hexafluoride (SF6)		
Nitrogen Trifluoride (NF3)		
Facility Total reported to Environment and	20827.007	
Carbon dioxide (CO2) from biomass combo		
Facility Total reported to Ontario Ministry of and Parks:	of Environment, Conservation	20827.007
De Minimis Emissions		
Reporting Amount		20828
Verification Amount	20828	
Comments		
This section is optional.		
Enter any comments you wish to include re General Comments will not be published.	elated to the information you have	e reported.
General Comments		
Comments: (max 4000 characters)		
Fluctuations due to Covid Pandemic and n	roduction requirements	

Reasons for Changes in C	GHG Emissions from Previous Year
Select the applicable reason or reaso	ns
Changes in production levels	
Additional Information: **	
Reductions due to Covid19	
File Name	
Date	
Confidentiality Request	
_	Change Canada Confidentiality Request
totals by gas, by facility. Under the Carequest that part or all of the informat	d that the Minister of the Environment intends to publish GHG emission anadian Environmental Protection Act, 1999 (CEPA 1999), you can ion that you have provided in this report be treated as confidential. You to support this request (see Help for more information).
Are you requesting confidentiality of t	his report under CEPA 1999? *
No	
Canada with your report submission t	tion that you wish to keep confidential
An Environment and Climate Change request.	Canada representative will be in contact with you regarding your
Click on the icon located to the right of Confidentiality Request.	of your screen to upload your Environment and Climate Change Canada
File Name	Date
Ontario's Collection of Info	ormation

All information collected and retained by the Ministry of the Environment Conservation and Parks (the "ministry") is governed by the Freedom of Information and Protection of Privacy Act ("FIPPA"). Every person has a right of access to information under the control of a ministry of the Government of Ontario unless the information is subject to an applicable exemption outlined in FIPPA. Annual summaries of the greenhouse gas emissions data collected are also made publicly available on the Government of Ontario's open data catalogue. Some information may not be publicly posted on the catalogue for legal, privacy, security or commercially-sensitive reasons.

If you have any concerns, please upload your comments below or call the Greenhouse Gas Reporting Helpdesk at 1-888-217-3326 for more information.

File Name	Date
Report Submission and Electronic Ce	
Please note that the Authorized Signing Officer retains system, including the certification and the submission	
Statement of Certification	
Company Name	
Facility Name	
Facility Address	
Reporting Period	
Facility Total Emissions reported to Environment and Climate Change Canada (t CO2e)	
Reporting Amount (t CO2e)	20828
Verification Amount	20828
Report ID	
Report Type	
GHGRP ID	
ON GHG ID	1236 (Assigned by Ontario MECP)

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Authorized Signing Officer (Certifying	Official)
Authorized Signing Officer (Certifying Official)	,
George Clifford	
I hereby certify that I have exercised due diligence to complete. The amounts and values for the facility are available data. The data for the facility that I represent Climate Change Canada Single Window system.	accurate, based on reasonable estimates using
I have the authority to bind the reporting company.	
Signature:	
Date:	
File Name **	Date **
Submit Report	
Submitted By	
George Clifford	
Date	