Report Preview

Company Details	
Name	MSSC Canada
Report Details	
Report Status:	Submitted - 2023-01-13 9:34:55 AM
Reporting Period:	2020
Facility Name:	MSSC Canada
Facility Address:	201 Park Avenue Chatham (Ontario) N7M
	3V7Canada
Report Type:	Report ECCC & ON
Report Update Comments:	Notified by Government that there are errors in this 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 * **EH&S 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	Ontario'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 a	and do you choose to use the same emissions quantification note: The option to use OBPS specific methodologies y for activities that are not listed as ON MECP. *
No	
Fuel Combustion	
Fuel Combustion	
Electricity Generation **	
⊠ N/A	
Empty	
Steam Generation **	
⊠ N/A	
Empty	
Flaring **	
⊠ N/A	
Empty	
All Other Stationary Fuel Combus	stion **
□ N/A	
Press Save after selecting your fuel to populate n	
Fuel *	Natural Gas
Fuel Classification	Non-Biomass
Fuel Type	Gas
Fuel Unit	m3

m3

Fuel Description							
Amount of Fuel Consumed (Default fuel unit or MJ (if selected)) **			Energy Units(MJ) **				
2824189							
Source of Coal (Domestic - by province, Foreign-by Country) **							
Measured and Weighted Higher Heating Value (MJ/unit of fuel consumed) **			2824189	9			
Measured and Weighted Carbon Content (kg of C/unit of fuel consumed) **							
Measured Temperature (°C) **			0				
Measured Pressure (kPa) **			0				
Moisture Content (n	nass fraction) **						
Emissions							
N/A **	Gas	Methodo	logy **	Emissions (t) **	Emissions (t CO2e)		
	CO2	Eq 2-1		13266.4	13266.4		
	CH4	Eq 2-12		0.261	6.525		
	N2O	Eq 2-12		0.233	69.434		
Carbon Dioxide Em	ission Factor **		201.96				
Carbon Emission Fa	actor Units **		g/m3				
Methane Emission	Factor **		0.037				
Methane Emission	Factor Units **		g/m3				
Nitrous Oxide Emis	sion Factor **		0.033				
Nitrous Oxide Emis	sion Factor Units **		g/m3				

Oxidation Factor (0.0~1.0) if used **	
Steam Produced (t) **	
Boiler Measured Temperature (°C) **	
Boiler Measured Pressure (kPa) **	
Ratio of Boiler's Design Rated Heat Input, Capacity to Design Rated Steam Output Capacity (kJ/t of steam) **	
Press Save after selecting your fuel to populate non-e	editable fields
Fuel *	Natural Gas
Fuel Classification	Non-Biomass
Fuel Type	Gas
Fuel Unit	m3
Fuel Description	
Amount of Fuel Consumed (Default fuel unit or MJ (if selected)) **	Energy Units(MJ) **
2824189	
Source of Coal (Domestic - by province, Foreign-by Country) **	
Measured and Weighted Higher Heating Value (MJ/unit of fuel consumed) **	2824189
Measured and Weighted Carbon Content (kg of C/unit of fuel consumed) **	
Measured Temperature (°C) **	0
Measured Pressure (kPa) **	0
Moisture Content (mass fraction) **	

Emissions

N/A **	Gas	Methodo	logy **	Emissions (t) **	Emissions (t CO2e)		
	CO2	Eq 2-1		13266.4	13266.4		
	CH4	Eq 2-12		0.261	6.525		
	N2O	Eq 2-12		0.233	69.434		
Carbon Dioxide	Emission Factor **		201.96				
Carbon Emission	on Factor Units **		g/m3				
Methane Emiss	ion Factor **		0.037				
Methane Emiss	ion Factor Units **		g/m3				
Nitrous Oxide E	Emission Factor **		0.033				
Nitrous Oxide E	Emission Factor Units **		g/m3				
Oxidation Facto	or (0.0~1.0) if used **						
Steam Produce	ed (t) **						
Boiler Measure	d Temperature (°C) **						
Boiler Measure	d Pressure (kPa) **						
Ratio of Boiler's to Design Rated steam) **	s Design Rated Heat Input, d Steam Output Capacity (k	Capacity					
Waste Inci ⊠ _{N/A}	neration (ON MEC	P) **					
Empty							
Annual em	issions from the us	se of so	rbent (C	ON MECP)			
N/A **	Gas	Methodo	logy *	Emissions (t) **	Emissions (t CO2e)		
\times	CO2						

Electricity Information

Electricity Information N/A	Description	Value **
×	Gross Electricity Generated Onsite (MWh)	
$oxed{oxed}$	Additional electricity generated on-site	
\boxtimes	Electricity Sold Off-site (MWh)	
$oxed{ imes}$	Electricity Lost On-site (MWh)	
	Electricity Purchased (MWh)	7.776
Steam/Heat Information		
N/A	Description	Value **
\boxtimes	Gross Steam and Heat Generated On-Site (MJ)	
$oxed{ imes}$	Gross Steam and Heat used to Generate Electricity On-Site (MJ)	
\boxtimes	Steam and Heat Sold Off-site (MJ)	
X	Steam and Heat Purchased (MJ)	
\boxtimes	Steam or Heat Lost On-Site (MJ)	
documentation related to fuel quant	pplier or fuel sampling, analysis and ity, carbon content, high heat value a	•
File Name	Date	
Gas-Water-Hydro Consumptions - On-Site Transportation	2019 - 2022.xlsx 2022-11-11 11:0	7:36 AM

On-Site Tra	ansportation						
Emissions I	by Fuel Type	**					
□ N/A							
Press Save after	r selecting your fue	l to populate non-e	editable fie	elds			
Fuel *			Propane)			
Fuel Classification	on		Non-Bio	mass			
Fuel Type			Liquid				
Fuel Unit							
Fuel Description							
Amount of Fuel MJ (if selected)	Consumed (Defa) **	ult fuel unit or	Energy (Units(MJ) **			
2620000							
Source of Coal (Country) **	Domestic - by prov	rince, Foreign-by					
Measured and W (MJ/unit of fuel of	Veighted Higher He consumed) **	eating Value	25.66				
Measured and V C/unit of fuel cor	Veighted Carbon C nsumed) **	ontent (kg of	1				
Measured Temp	erature (°C) **						
Measured Press	ure (kPa) **						
Moisture Conten	t (mass fraction) **						
Emissions							
N/A **	Gas	Methodo	logy **	Emissions (t) **	Emissions (t CO2e)		
	CO2	Eq 2-1		157.6	157.6		
П	CH4	Eg 2-12		0.000058	0.0015		

□ N2O [Eq 2-12	0.284	84.632				
Carbon Dioxide Emission Factor **	59.66						
Carbon Emission Factor Units **							
Methane Emission Factor **	0.022						
Methane Emission Factor Units **							
Nitrous Oxide Emission Factor **	108	108					
Nitrous Oxide Emission Factor Units **							
Oxidation Factor (0.0~1.0) if used **							
Facility/Source-specific Docum Where applicable, please attach supplier or f documentation related to fuel quantity, carbo Documents ** N/A Empty De Minimis Emissions (ON ME	uel sampling, analy: n content, high heat	•					
De minimis emissions quantifie	•	ods other than t	the				
quantification methodologies se Emissions Reporting.	et out in the G	Guidelines for G	reenhouse Gas				
Emissions							
Empty							
Total De Minimis Emissions by Empty	activity (t CO	2e)					
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

Station	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	26532.8	26532.8
	Methane (CH4)					X	0.522	13.050
	Nitrous Oxide (N2O)					X	0.466	138.868
Sub-total				266	84.718			
Industri	al Proce	ss Emis	sions					
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
\boxtimes	Carbon Dioxide (CO2)							
\boxtimes	Methane (CH4)							
\boxtimes	Nitrous Oxide (N2O)							
Sub-total								
Venting	Emissio	ns (inclu	uding ve	nted Fo	mation C	CO2)		
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
\boxtimes	Carbon Dioxide (CO2)							
×	Methane (CH4)							

X	Nitrous Oxide (N2O)							
Sub-total								
Flaring	Emissior	าร						
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
×	Carbon Dioxide (CO2)							
X	Methane (CH4)							
×	Nitrous Oxide (N2O)							
Sub-total								
Leakage	e Emissi	ons						
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
×	Carbon Dioxide (CO2)							
X	Methane (CH4)							
X	Nitrous Oxide (N2O)							
Sub-total								
Sub-total								
	Transpo	rtation E	mission	S				

	Carbon Dioxide (CO2)					\boxtimes	157.6	157.6
	Methane (CH4)					\boxtimes	0.00005 8	0.00145 0
	Nitrous Oxide (N2O)					⊠	0.284	84.632
Sub-total				242.	233450			
Waste E	Emission	S						
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
X	Carbon Dioxide (CO2)							
X	Methane (CH4)							
X	Nitrous Oxide (N2O)							
Sub-total								
Wastew	ater Em	issions						
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
\boxtimes	Carbon Dioxide (CO2)							
\boxtimes	Methane (CH4)							
\boxtimes	Nitrous Oxide (N2O)							

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required in the Comments box. *

Yes			

Comments: (max 4000 characters) **

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

Hydrofluorocarbon (HFC) Emissions

1 Iyurun	uorocari		<i>)</i> [111155	10113				
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
×	HFC-23 (CHF3)							
×	HFC-32 (CH2F2)							
\boxtimes	HFC-41 (CH3F)							
×	HFC-43- 10mee (C5H2F1 0)							
\boxtimes	HFC-125 (C2HF5)							
×	HFC-134 (C2H2F4)							
\boxtimes	HFC- 134a (C2H2F4)							
X	HFC-143 (C2H3F3)							
\boxtimes	HFC- 143a (C2H3F3							
X								

	HFC-152 (C2H4F2)			
×	HFC- 152a (C2H4F2			
\boxtimes	HFC-161 (C2H5F)			
\boxtimes	HFC- 227ea (C3HF7)			
×	HFC- 236cb (C3H2F6			
\boxtimes	HFC- 236ea (C3H2F6			
\boxtimes	HFC- 236fa (C3H2F6			
\boxtimes	HFC- 245ca (C3H3F5			
×	HFC- 245fa (C3H3F5			
×	HFC- 365mfc (C4H5F5			
Total				

Perfluorocarbon (PFC) Emissions

N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
X	Perfluoro methane (CF4)							
\boxtimes	Perfluoro ethane (C2F6)							
\boxtimes	Perfluoro propane (C3F8)							
×	Perfluoro butane (C4F10)							
×	Perfluoro cyclobut ane (c- C4F8)							
X	Perfluoro pentane (C5F12)							
\boxtimes	Perfluoro hexane (C6F14)							
×	Perfluoro decalin (C10F18)							
$oxed{oxtimes}$	Perfluoro cyclopro pane (c- C3F6)							
Total								

Sulphur	Hexaflu	oride (S	F6) Emi	ssions				
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
X	Sulphur hexafluo ride (SF6)							
Nitroge	n Trifluoi	ride (NF	3) Emiss	sions				
N/A	Substanc e Name	MDM **	MB **	EF **	EE **	QR **	Emission s (t) **	Emission s(t CO2e)
\boxtimes	Nitrogen Trifluorid e (NF3)							
Comme	ents							
population emissions tadded and if a province required in	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) **							
	_	G totals are	calculated a	automatically	'.			
Total G	HG Emis	ssions fo	r the Fa	cility				
			Em	nissions (t)		Emissio	ons (t CO2e)	
Carbon Dic	oxide (CO2)		26	690.4		26690.	4	
Methane (0	CH4)		0.8	522058		13.051	450	
Nitrous Oxi	ide (N2O)		0.7	750		223.50	0	
Hydrofluor	ocarbons (H	FCs)						

Perfluorocarbons (PFCs)	
Sulphur hexafluoride (SF6)	
Nitrogen Trifluoride (NF3)	
Facility Total reported to Environment and Climate Change Canada:	26926.951450
Carbon dioxide (CO2) from biomass combustion:	
Facility Total reported to Ontario Ministry of Environment, Conservation and Parks:	26926.951450
De Minimis Emissions	
Reporting Amount	26927
Verification Amount	26927
Comments	
This section is optional.	
Enter any comments you wish to include related to the information you have General Comments will not be published.	reported.
General Comments	
Comments: (max 4000 characters)	
Reasons for Changes in GHG Emissions from Previous	ous Year
Select the applicable reason or reasons	
Changes in production levels, Changes on estimation methods	
Additional Information: **	

File Name

Environment and Climate Change Canad	a
Date	
Confidentiality Req	uest
Environment and C	limate Change Canada Confidentiality Request
totals by gas, by facility. Und request that part or all of the	indicated that the Minister of the Environment intends to publish GHG emission der the Canadian Environmental Protection Act, 1999 (CEPA 1999), you can information that you have provided in this report be treated as confidential. You stification to support this request (see Help for more information).
Are you requesting confiden	tiality of this report under CEPA 1999? *
No	
Canada with your report sub	information that you wish to keep confidential
An Environment and Climate request.	e Change Canada representative will be in contact with you regarding your
Click on the icon located to the Confidentiality Request.	he right of your screen to upload your Environment and Climate Change Canada
Eila Nama	Data

File Name	Date

Ontario's Collection of Information

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	ertification
Please note that the Authorized Signing Officer retains system, including the certification and the submission	s ultimate responsibility for all data entered into the
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)	26927
Verification Amount	26927
Report ID	
Report Type	
GHGRP ID	
ON GHG ID	1236 (Assigned by Ontario MECP)
Authorized Signing Officer (Certifying	Official)
Authorized Signing Officer (Certifying Official)	
George Clifford	

I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The amounts and values for the facility are accurate, based on reasonable estimates using available data. The data for the facility that I represent are hereby submitted using the Environment and Climate Change Canada Single Window system.

I have the authority to bind the reporting company.

Signature:		
Date:		
File Name **	Date **	
Submit Report		
Submitted By		
George Clifford		
Date		
2023-01-13 9:34:55 AM		