Report Preview

Company Details

Name

MSSC Canada

Report Details

Report Status:

Submitted - 2023-01-13 9:43:30 AM

Reporting Period:

2019

Facility Name:

MSSC Canada

Facility Address:

201 Park Avenue Chatham (Ontario) N7M 3V7Canada

Report Type:

Report ECCC & ON

Report Update Comments:

It has been reported that there are items that are incorrect.

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)
NPRI ID	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

Output-Based Pricing System

Is this facility subject to federal OBPS reporting and do you choose to use the same emissions quantification methodologies for GHGRP reporting? Important note: The option to use OBPS specific methodologies when quantifying GHG emissions is provided only 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 Combustion **

☐   N/A

Press Save after selecting your fuel to populate non-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)) **

4358347.2

Energy Units(MJ) **

☐

Source of Coal (Domestic - by province, Foreign-by Country) **

Measured and Weighted Higher Heating Value (MJ/unit of fuel consumed) **

4358347.2

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	Methodology **	Emissions (t) **	Emissions (t CO2e)
☐	CO2	Eq 2-1	6733.2	6733.2
☐	CH4	Eq 2-12	0.1405	3.5125
☐	N2O	Eq 2-12	0.1265	37.6970

Carbon Dioxide Emission Factor **

201.96

Carbon Emission Factor Units **

g/m3

Methane Emission Factor **

0.037

Methane Emission Factor Units **

g/m3

Nitrous Oxide Emission Factor **

0.033

Nitrous Oxide Emission 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) **	

Waste Incineration (ON MECP) **

☒   N/A

Empty

Annual emissions from the use of sorbent (ON MECP)

N/A **	Gas	Methodology *	Emissions (t) **	Emissions (t CO2e)
☒	CO2			

Electricity Information

N/A	Description	Value **
☒	Gross Electricity Generated On-site (MWh)	
☒	Additional electricity generated on-site	
☒	Electricity Sold Off-site (MWh)	
☒	Electricity Lost On-site (MWh)	
☐	Electricity Purchased (MWh)	5832

Steam/Heat Information

N/A	Description	Value **
☒	Gross Steam and Heat Generated On-Site (MJ)	
☒	Gross Steam and Heat used to Generate Electricity On-Site (MJ)	

☒	Steam and Heat Sold Off-site (MJ)	
☒	Steam and Heat Purchased (MJ)	
☒	Steam or Heat Lost On-Site (MJ)	

Facility/Source-specific Documentation *

Where applicable, please attach supplier or fuel sampling, analysis and consumption measurement documentation related to fuel quantity, carbon content, high heat value and/or emission factor used.

File Name	**Date**
Gas-Water-Hydro Consumptions.xlsx	2022-11-09 9:09:38 AM

On-Site Transportation

On-Site Transportation

Emissions by Fuel Type **

☒   N/A

Empty

Facility/Source-specific Documentation

Where applicable, please attach supplier or fuel sampling, analysis and consumption measurement documentation related to fuel quantity, carbon content, high heat value and/or emission factor used.

Documents **

☒   N/A

Empty

De Minimis Emissions (ON MECP)

De minimis emissions quantified using methods other than the quantification methodologies 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

Stationary Fuel Combustion Emissions

N/A	Substance Name	MDM **	MB **	EF **	EE **	Emissions (t) **	Emissions(t CO2e)
☐	Carbon Dioxide (CO2)	☒	☐	☐	☐	6733.2	6733.2
☐	Methane (CH4)	☒	☐	☐	☐	0.1405	3.5125
☐	Nitrous Oxide (N2O)	☒	☐	☐	☐	0.1265	37.6970

Sub-total	6774.4095

Industrial Process Emissions

N/A	Substance Name	MDM **	MB **	EF **	EE **	Emissions (t) **	Emissions(t CO2e)
☒	Carbon Dioxide (CO2)	☐	☐	☐	☐		
☒	Methane (CH4)	☐	☐	☐	☐		
☒	Nitrous Oxide (N2O)	☐	☐	☐	☐		

Sub-total	

Venting Emissions (including vented Formation CO2)

N/A	Substance Name	MDM **	MB **	EF **	EE **	Emissions (t) **	Emissions(t CO2e)

N/A	Substance Name	MDM **	MB **	EF **	EE **	Emissions (t) **	Emissions(t CO2e)
☒	Carbon Dioxide (CO2)	☐	☐	☐	☐		
☒	Methane (CH4)	☐	☐	☐	☐		
☒	Nitrous Oxide (N2O)	☐	☐	☐	☐		

Sub-total

Flaring Emissions

N/A	Substance Name	MDM **	MB **	EF **	EE **	Emissions (t) **	Emissions(t CO2e)
☒	Carbon Dioxide (CO2)	☐	☐	☐	☐		
☒	Methane (CH4)	☐	☐	☐	☐		
☒	Nitrous Oxide (N2O)	☐	☐	☐	☐		

Sub-total

Leakage Emissions

N/A	Substance Name	MDM **	MB **	EF **	EE **	Emissions (t) **	Emissions(t CO2e)
☒	Carbon Dioxide (CO2)	☐	☐	☐	☐		
☒	Methane (CH4)	☐	☐	☐	☐		
☒	Nitrous Oxide (N2O)	☐	☐	☐	☐		

Sub-total | |

On-site Transportation Emissions

N/A	Substance Name	MDM **	MB **	EF **	EE **	Emissions (t) **	Emissions(t CO2e)
☒	Carbon Dioxide (CO2)	☐	☐	☐	☐		
☒	Methane (CH4)	☐	☐	☐	☐		
☒	Nitrous Oxide (N2O)	☐	☐	☐	☐		

Sub-total | |

Waste Emissions

N/A	Substance Name	MDM **	MB **	EF **	EE **	Emissions (t) **	Emissions(t CO2e)
☒	Carbon Dioxide (CO2)	☐	☐	☐	☐		
☒	Methane (CH4)	☐	☐	☐	☐		
☒	Nitrous Oxide (N2O)	☐	☐	☐	☐		

Sub-total | |

Wastewater Emissions

N/A	Substance Name	MDM **	MB **	EF **	EE **	Emissions (t) **	Emissions(t CO2e)
☒	Carbon Dioxide (CO2)	☐	☐	☐	☐		
☒		☐	☐	☐	☐		

	Methane (CH4)						

N/A	Substance Name					Emissions (t)	Emissions (t CO2e)
☒	Nitrous Oxide (N2O)	☐	☐	☐	☐		

Sub-total	

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) **

Section B

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.

Note: CO2 emissions from biomass combustion are not included in the total reported to Environment and Climate Change Canada.

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

Biomass Combustion Emissions

N/A	Substance Name	MDM **	MB **	EF **	EE **	Emissions (t) **	Emissions(t CO2e)
☒	Carbon Dioxide (CO2)	☐	☐	☐	☐		

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) **

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

N/A	Substance Name	MDM **	MB **	EF **	EE **	Emissions (t) **	Emissions(t CO2e)
☒	HFC-23 (CHF3)	☐	☐	☐	☐		
☒	HFC-32 (CH2F2)	☐	☐	☐	☐		
☒	HFC-41 (CH3F)	☐	☐	☐	☐		
☒	HFC-43-10mee (C5H2F10)	☐	☐	☐	☐		
☒	HFC-125 (C2HF5)	☐	☐	☐	☐		
☒	HFC-134 (C2H2F4)	☐	☐	☐	☐		
☒	HFC-134a (C2H2F4)	☐	☐	☐	☐		
☒	HFC-143 (C2H3F3)	☐	☐	☐	☐		
☒	HFC-143a (C2H3F3)	☐	☐	☐	☐		

N/A	Substance						
☒	HFC-152 (C2H4F2)	☐	☐	☐	☐		
☒	HFC-152a (C2H4F2)	☐	☐	☐	☐		
☒	HFC-161 (C2H5F)	☐	☐	☐	☐		
☒	HFC-227ea (C3HF7)	☐	☐	☐	☐		
☒	HFC-236cb (C3H2F6)	☐	☐	☐	☐		
☒	HFC-236ea (C3H2F6)	☐	☐	☐	☐		
☒	HFC-236fa (C3H2F6)	☐	☐	☐	☐		
☒	HFC-245ca (C3H3F5)	☐	☐	☐	☐		
☒	HFC-245fa (C3H3F5)	☐	☐	☐	☐		
☒	HFC-365mfc (C4H5F5)	☐	☐	☐	☐		
Total							

Perfluorocarbon (PFC) Emissions

N/A	Substance Name	MDM **	MB **	EF **	EE **	Emissions (t) **	Emissions(t CO2e)

N/A	Substance Name					Emissions (t) **	Emissions(t CO2e)
☒	Perfluoromethane (CF4)	☐	☐	☐	☐		
☒	Perfluoroethane (C2F6)	☐	☐	☐	☐		
☒	Perfluoropropane (C3F8)	☐	☐	☐	☐		
☒	Perfluorobutane (C4F10)	☐	☐	☐	☐		
☒	Perfluorocyclobutane (c-C4F8)	☐	☐	☐	☐		
☒	Perfluoropentane (C5F12)	☐	☐	☐	☐		
☒	Perfluorohexane (C6F14)	☐	☐	☐	☐		
☒	Perfluorodecalin (C10F18)	☐	☐	☐	☐		
☒	Perfluorocyclopropane (c-C3F6)	☐	☐	☐	☐		

Total

Sulphur Hexafluoride (SF6) Emissions

N/A	Substance Name	MDM **	MB **	EF **	EE **	Emissions (t) **	Emissions(t CO2e)

| ☒ | Sulphur hexafluoride (SF6) | ☐ | ☐ | ☐ | ☐ | | |

Nitrogen Trifluoride (NF3) Emissions

N/A	Substance Name	MDM **	MB **	EF **	EE **	Emissions (t) **	Emissions(t CO2e)
☒	Nitrogen Trifluoride (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

No input required - GHG totals are calculated automatically.

Total GHG Emissions for the Facility

	Emissions (t)	Emissions (t CO2e)
Carbon Dioxide (CO2)	6733.2	6733.2
Methane (CH4)	0.1405	3.5125
Nitrous Oxide (N2O)	0.1265	37.6970
Hydrofluorocarbons (HFCs)		
Perfluorocarbons (PFCs)		
Sulphur hexafluoride (SF6)		

Nitrogen Trifluoride (NF3)

Facility Total reported to Environment and Climate Change Canada: 6774.4095

Carbon dioxide (CO2) from biomass combustion:

Facility Total reported to Ontario Ministry of Environment, Conservation and Parks: 6774.4095

De Minimis Emissions

Reporting Amount 6775

Verification Amount 6775

Comments

This section is optional.

Enter any comments you wish to include related to the information you have reported.
General Comments will not be published.

General Comments

Comments: (max 4000 characters)

Reasons for Changes in GHG Emissions from Previous Year

Select the applicable reason or reasons

Changes in production levels

Additional Information: **

File Name

Date

Confidentiality Request

Environment and Climate Change Canada Confidentiality Request

The Canada Gazette Notice indicated that the Minister of the Environment intends to publish GHG emission totals by gas, by facility. Under the Canadian Environmental Protection Act, 1999 (CEPA 1999), you can request that part or all of the information that you have provided in this report be treated as confidential. You must provide appropriate justification to support this request (see Help for more information).

Are you requesting confidentiality of this report under CEPA 1999? *

No

If yes, you must upload a document containing your written request to Environment and Climate Change Canada with your report submission that includes:
- Identification of the specific information that you wish to keep confidential
- Appropriate justification and supporting documentation

An Environment and Climate Change Canada representative will be in contact with you regarding your request.

Click on the icon located to the right of your screen to upload your Environment and Climate Change Canada Confidentiality Request.

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 Certification

Please note that the Authorized Signing Officer retains ultimate responsibility for all data entered into the system, including the certification and the submission of the report.

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)	6775
Verification Amount	6775
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 9:43:30 AM