



National Pollutant Release Inventory Report Preview

Report Details

Report Year

2021

Programs

NPRI

Report Types

NPRI Inventory

Report Status

Submitted

Submitted Date

5/26/2022 11:39:46 PM

Update Comment

Facility Information

Company Information

* Company Legal Name

Opta Waterdown Inc.

Business Number

739517670

* Mailing Address

General Delivery 407 Parkside Drive, Waterdown, Ontario, L0R 2H0, Canada

Dun & Bradstreet Number

206475621

Website

www.optagroupllc.com

Parent Company(ies) Information

Parent Company Name	Business Number	D-U-N-S Number	Percentage Owned	Mailing Address	Additional Information
Opta Inc.	857614077	206475621	100.0000	PoBox 260 Post Office Box 407 Parkside Avenue, Waterdown, Ontario, L0R 2H0, Canada	

Facility Information

* Facility Name

Opta Waterdown Inc.

* Physical Address

407 Parkside Drive, Waterdown, Ontario, L0R 2H0, Canada

* Latitude (decimal degrees)

43.3483

* Longitude (decimal degrees)

-79.8955

* Is this a portable facility?

No



* NAICS Code

339990

* Number of full-time employee equivalents

40

Identifiers, Environmental Regulations, and Permits Numbers

Type/Name of Identifier or Permit

Identifier or Permit #

National Pollutant Release Inventory Identifier

7135

General Comments for Facility



Contacts

* Technical Contact

Ron Harber



* Certifying Official (or authorized delegate)

John Dietrich



Company Coordinator

Ron Harber



* Public Contact

Ron Harber



Contractor Contact

Erik Martinez



* Contractor Company

GHD

Contact(s) Coordinates

Contact Name	Phone	Ext.	Position	Email
Ron Harber	905-689-0485		Health and Safet	rharber@optami
John Dietrich	905-689-7361		CEO	jdietrich@optam

Contact

Name

Phone

Ext.

Position

Email

Erik
Martinez

519-340-4213

Environmental C

erik.martinez@g

General Reporting Questions

Part 1A - NPRI Core Substances

* Do you want to report any Part 1A substances?

Yes



Part 1B - NPRI substances with an alternative threshold (ex. metals)

* Do you want to report any Part 1B substances?

Yes



* Is the facility subject to the Chromium Electroplating, Chromium Anodizing and Reverse Etching Regulations (SOR/2009-162)?

No



Part 2 - PAHs (Polycyclic Aromatic Hydrocarbons)

* Do you want to report any Part 2 substances?

No



* Did wood preservation using creosote occur at the facility, and were PAHs released, disposed of, or transferred as a result of wood preservation using creosote?

No



Part 3 - Dioxins, Furans and Hexachlorobenzene

*** Do any of the following activities take place at the facility, regardless of the number of employees at the facility?**

- Non-hazardous solid waste incineration (≥ 26 tonnes/year) including, but not limited to, incineration with conical burners and beehive burners
- Biomedical or hospital waste incineration (≥ 26 tonnes/year)
- Hazardous waste incineration
- Sewage sludge incineration
- Wood preservation using pentachlorophenol
- None of the above

*** Do employees at the facility work a total of 20 000 hours or more AND do any of the following activities take place at the facility?**

- Base metal smelting (including copper, lead, nickel, and zinc)
- Smelting of secondary aluminum
- Smelting of secondary lead
- Production of iron ore pellets using an induration furnace or manufacturing of sinter using the iron sintering process
- Operation of electric arc furnaces in steel manufacturing
- Operation of electric arc furnaces in steel foundries
- Production of magnesium
- Manufacturing of Portland cement
- Production of chlorinated organic solvents or chlorinated monomers

- Combustion of fossil fuel in a boiler unit with a nameplate capacity of 25 MW of electricity of greater, for the purpose of producing steam for the production of electricity.
- Combustion of hog fuel originating from logs that were transported or stored in salt water in the pulp and paper sector
- Combustion of fuel in kraft liquor boilers in forest products
- Titanium dioxide pigment production using chloride process
- None of the above

Part 4 - Criteria Air Contaminants (CAC)

* Do you want to report any Part 4 substances?

Yes



Part 5 - Speciated Volatile Organic Compounds (VOCs)

* Do you want to report any Part 5 substances?

No



Special Report Activities (P2 Report and EGU Report)

Pollution Prevention Report Activities

* Does the facility have a P2 Plan?

No



* Did the facility complete any pollution prevention activities in the current NPRI reporting year?

No



Electricity Generating Unit

* Did the facility operate one or more electricity generating units that had a capacity of 25 MW or more and that distributed or sold to the grid 33% or more of its potential electrical output in the calendar year?

No



Part 4 Substances - Facility Operating Schedule and Shutdown

Operating Schedule - Days of week

Select All Days

Select the usual operating day(s) of the facility

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Operating Schedule - Hours

* Usual Number of Operating Hours per day in decimal number (hh.mm)

10.00

* Usual Daily Start Time (hh:mm)

07:00 AM

Shutdown Periods

* Was the facility shut down for more than one week during the year?

No



Start Date	End Date	Will the shutdown period occur at or around the same time in future years	Was the shutdown period a partial or complete shutdown	Comments	Actions
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Stack or Point Releases

Substance name

PM10 - Particulate Matter <= 10 Microns

Cas number

NA - M09

Part

4

Unit

tonnes

Threshold

0.5 tonnes air release / N/A concentration

Releases

Enter breakdown values for

Stack or Point Releases

Select your Basis of Estimate from the drop-down list

M3 - Source Testing



Enter the released Quantity (Tonnes)

6.004000

Stacks (50 m or greater)

Stack Name/Prov ID and Type	Stack Information	Lat/Long	Released Quantity (Tonnes)	Actions
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Total - Released quantities (tonnes) Assigned to Stacks

Total - Released quantities (tonnes) not Assigned to Stacks

6.004

Stack or Point Releases

Substance name

PM2.5 - Particulate Matter <= 2.5 Microns

Cas number

NA - M10

Part

4

Unit

tonnes

Threshold

0.3 tonnes air release / N/A concentration

Releases

Enter breakdown values for

Stack or Point Releases

Select your Basis of Estimate from the drop-down list

M3 - Source Testing

Enter the released Quantity (Tonnes)

5.977000

Stacks (50 m or greater)

Stack Name/Prov ID and Type	Stack Information	Lat/Long	Released Quantity (Tonnes)	Actions
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Total - Released quantities (tonnes) Assigned to Stacks

Total - Released quantities (tonnes) not Assigned to Stacks

5.977

Substances

CAS	Substance Name	Applicable Programs	Part
NA - 10	Mercury (and its compounds)	NPRI	1B
NA - M09	PM10 - Particulate Matter <= 10 Microns	NPRI	4
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	NPRI	4
NA - 14	Zinc (and its compounds)	NPRI	1A

General Information about the Substances

Mercury (and its compounds) (NA - 10)

NPRI - Are the criteria specified in the Canada Gazette notice met for this substance?

Yes, the NPRI reporting criteria have been met

Was the substance released on-site?

Yes

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal?

No

Is the facility required to report on disposals of the substance in tailings and waste rock for the selected reporting period?

No

Was the substance transferred off-site for recycling?

No

Nature of Activities

Process the Substance

As a formulation component

Comments

Substance is an impurity in raw material used

PM10 - Particulate Matter \leq 10 Microns (NA - M09)

NPRI - Are the criteria specified in the Canada Gazette notice met for this substance?

Yes, the NPRI reporting criteria have been met

PM2.5 - Particulate Matter <= 2.5 Microns (NA - M10)

NPRI - Are the criteria specified in the Canada Gazette notice met for this substance?

Yes, the NPRI reporting criteria have been met

Zinc (and its compounds) (NA - 14)

NPRI - Are the criteria specified in the Canada Gazette notice met for this substance?

Yes, the NPRI reporting criteria have been met

Was the substance released on-site?

Yes

Check this box if you want to report releases of this substance as the sum of releases to all media (only available if the total quantity released of this substance was less than one tonne).



Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal?

No

Is the facility required to report on disposals of the substance in tailings and waste rock for the selected reporting period?

No

Was the substance transferred off-site for recycling?

No

Nature of Activities

Process the Substance

As a formulation component

On-site Releases

Mercury (and its compounds) (NA - 10)

On-site Releases

Type	Category	Basis of Estimate	Detail Code	Quantity (kg)
Releases to air	Stack or Point Releases	M3 - Source Testing		0.001

Quarterly breakdown

January - March %: 25
April - June %: 25
July - September %: 25
October - December %: 25

Reasons for Changes in Quantities Released from Previous Year

Not applicable (first year reporting this substance)

PM10 - Particulate Matter <= 10 Microns (NA - M09)

On-site Releases

Type	Category	Basis of Estimate	Detail Code	Quantity (tonnes)
Releases to air	Stack or Point Releases	M3 - Source Testing		6.004

Breakdown of annual releases

January %: 8.33
February %: 8.33
March %: 8.34
April %: 8.33

May %: 8.33
June %: 8.34
July %: 8.33
August %: 8.33
September %: 8.34
October %: 8.33
November %: 8.33
December %: 8.34

Reasons for Changes in Quantities Released from Previous Year

No significant change (i.e. <10% or no change)

PM2.5 - Particulate Matter <= 2.5 Microns (NA - M10)

On-site Releases

Type	Category	Basis of Estimate	Detail Code	Quantity (tonnes)
Releases to air	Stack or Point Releases	M3 - Source Testing		5.977

Breakdown of annual releases

January %: 8.33
February %: 8.33
March %: 8.34
April %: 8.33
May %: 8.33
June %: 8.34
July %: 8.33
August %: 8.33
September %: 8.34
October %: 8.33
November %: 8.33
December %: 8.34

Reasons for Changes in Quantities Released from Previous Year

No significant change (i.e. <10% or no change)

Zinc (and its compounds) (NA - 14)

On-site Releases

Type	Category	Basis of Estimate	Detail Code	Quantity (tonnes)
Total Quantity Released (All Media)	All Media	M3 - Source Testing		0.058

Quarterly breakdown

January - March %: 25
April - June %: 25
July - September %: 25
October - December %: 25

Reasons for Changes in Quantities Released from Previous Year

Changes in composition of materials released/disposed of/transferred

Disposals

Mercury (and its compounds) (NA - 10)

Disposals

Reasons for Changes in Quantities Disposed from Previous Years

Not applicable (first year reporting this substance)

Zinc (and its compounds) (NA - 14)

Disposals

Reasons for Changes in Quantities Disposed from Previous Years

No significant change (i.e. <10% or no change)

Recycling

Mercury (and its compounds) (NA - 10)

Recycling

Reasons for Changes in Quantities Recycled from Previous Years

Not applicable (first year reporting this substance)

Zinc (and its compounds) (NA - 14)

Recycling

Reasons for Changes in Quantities Recycled from Previous Years

No significant change (i.e. <10% or no change)

Reasons for adding or removing substance(s)

Substances added to the report

Substance Name

Mercury (and its compounds)

CAS RN

NA - 10

* Reasons

- New Activities onsite or previously not reported
- Met NPRI reporting threshold

- Voluntary report
- Increased production
- Change in estimation/calculation methods
- Change in product mixtures, or a new substance used at the facility
- Waste rock deemed inert in the past
- Other (Specify in comment field)

Substances removed from the report

Pollution Prevention – No Plan and No Activities

Pollution prevention activities

*** Please select all applicable reasons from the list below or return to the General Reporting Questions page and change your answer.**

- Substance, process or technology alternatives are unknown or unavailable
- Activities were implemented in a previous year; additional activities are either unnecessary or unfeasible at this time
- Insufficient capital to implement activities
- Insufficient understanding of how to implement pollution prevention activities
- Concern that product quality may decline as a result of activities
- Limited by regulatory or permit obligations
- Other (please specify)

Please provide any additional comments

Feedback

Specify your level of satisfaction

- Completely satisfied. The reporting system works well and saves me time.
- Very satisfied. Did not encounter any technical issues, but there is room for improvement.
- Satisfied. Few technical issues and they were easily resolved.
- Neutral
- Dissatisfied. Technical issues with the reporting system made it difficult to report.
- Very dissatisfied. Technical issues with the reporting system made it very difficult to report.

Help us improve the system by describing the technical issues encountered and their frequency. Suggest improvements to the system.

Please provide any comments you may have on the layout and functionality for the new 2021 Pollution Prevention requirements.

Report Submission and Electronic Certification

Electronic Statement of Certification

* Specify the language of correspondence

English



Comments (optional)

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(ies) identified below are accurate, based on reasonable estimates using available data. The data for the facility(ies) that I represent are hereby submitted to the programs identified below using the Single Window Reporting Application.

I also acknowledge that the data will be made public

Company name

Opta Waterdown Inc.

Certifying Official

John Dietrich

Report Submitted by

John Dietrich

* I, the Certifying Official or authorized delegate, agree with the statements above and acknowledge that by pressing the "Submit Report(s)" button, I am electronically certifying and submitting the facility report(s) for the identified company to its affiliated programs.



Report(s) included with submission

Report Year	Facility Name	Province	City	Applicable Program(s)
2021	Opta Waterdown Inc.	Ontario	Waterdown	NPRI

Version: 4.1.9.4214-006