

# National Pollutant Release Inventory (NPRI) and Partners



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## Report Preview

### Report Details

Report Year	2017
Report Type:	NPRI,ON MOE TRA
Report Status:	Ready to Submit
Modified Date/Time:	01/06/2018 2:15 PM

### Company and Facility Details

Company Name:	Opta Minerals Inc.
Business Number:	857614077
Mailing Address:	Delivery Mode: PostOfficeBox PO Box: 260 Address Line 1: 407 Parkside Drive City, Province/Territory, Postal Code: Waterdown Ontario L0R2H0 Country: Canada
Facility Name:	Opta Minerals Waterdown
NAICS Code:	339990
NPRI ID:	7135
ON Reg 127/01 ID:	11112
Physical Address:	Address Line 1: 407 Parkside Drive City, Province/Territory, Postal Code: Waterdown Ontario L0R2H0 Country: Canada Latitude: 43.3483 Longitude: -79.8955 UTM Zone: 17 UTM Easting: 589812 UTM Northing: 4799869

### Parent Companies

Company Name:	Opta Minerals Inc.
Business Number:	857614077
Mailing Address:	Delivery Mode: PostOfficeBox PO Box: 260 Address Line 1: 407 Parkside Avenue City, Province/Territory, Postal Code: Waterdown Ontario L0R2H0 Country: Canada
Company Name:	Opta Minerals Inc.
Business Number:	857614077
Mailing Address:	Delivery Mode: PostOfficeBox PO Box: 260 Address Line 1: 407 Parkside Avenue City, Province/Territory, Postal Code: Waterdown Ontario L0R2H0 Country: Canada

## Contacts Details

Contact Type: Technical Contact, Company Coordinator, Person who prepared the report, Public Contact

Name: Ron Harber

Position: Health and Safety Manager

Telephone: 9056897369

Email: rharber@optaminerals.com

Contact Type: Certifying Official

Name: John Dietrich

Position: CEO

Telephone: 9056897361

Email: jdietrich@optaminerals.com

Contact Type: Highest Ranking Employee

Name: John Dietrich

Position: CEO

Telephone: 9056897361

Email: jdietrich@optaminerals.com

Mailing Address: Address Line 1: 407 Parkside Drive  
City, Province/Territory, Postal Code: Waterdown Ontario L0R2H0  
Country: Canada

Contact Type: Person who coordinated the preparation of the Toxics Reduction Plan, Contractor Contact

Name: Erik Martinez

Position: Environmental Consultant

Telephone: 5193404213

Fax: 5198840525

Email: erik.martinez@ghd.com

Independent contractor/consultant company name: GHD Limited

## General Information

Number of employees: 64

Activities for Which the 20,000-Hour Employee Threshold Does Not Apply: None of the above

Activities Relevant to Reporting Dioxins, Furans and Hexachlorobenzene: None of the above

Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs): Wood preservation using creosote: No

Is this the first time the facility is reporting to the NPRI (under current or past ownership): No

Is the facility controlled by another Canadian company or companies: No

Did the facility report under other environmental regulations or permits: No

Is the facility required to report one or more NPRI Part 4 substances (Criteria Air Contaminants): Yes

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

No

Operating Schedule - Days of the Week:

Mon, Tue, Wed, Thu, Fri

Usual Number of Operating Hours per day:

10

Usual Daily Start Time (24h) (hh:mm):

06:00

### Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
NA - 02	Arsenic (and its compounds)	3.5500	N/A	N/A	N/A	kg
NA - M09	PM10 - Particulate Matter <= 10 Microns	3.2500	N/A	N/A	N/A	tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	3.1560	N/A	N/A	N/A	tonnes

### Applicable Programs

CAS RN	Substance Name	NPRI	ON MOE TRA	ON MOE Reg 127/01	First report for this substance to the ON MOE TRA
NA - 02	Arsenic (and its compounds)	Yes	Yes		Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Yes	Yes		No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Yes	Yes		Yes

### General Information about the Substance - Releases and Transfers of the Substance

CAS RN	Substance Name	Was the substance released on-site	The substance will be reported as the sum of releases to all media (total of 1 tonne or less)	1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air
NA - 02	Arsenic (and its compounds)	Yes	No	No

### General Information about the Substance - Disposals and Off-site Transfers for Recycling

CAS RN	Substance Name	Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal	Is the facility required to report on disposals of tailings and waste rock for the selected reporting period	Was the substance transferred off-site for recycling
NA - 02	Arsenic (and its compounds)	No	No	No

### General Information about the Substance - Nature of Activities

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
NA - 02	Arsenic (and its compounds)	For on-site use/processing		

### Substances added to/removed from the report

CAS RN	Substance Name	Added/Removed Comment
NA - 02	Arsenic (and its compounds)	Added Increased production with new product compositions now result in arsenic exceeding the NPRI reporting threshold.
NA - 08	Lead (and its compounds)	Removed New product compositions have now decreased lead to below the NPRI reporting threshold.
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Added Increased production have now resulted in PM2.5 exceeding the NPRI reporting threshold.

### TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
NA - 02	Arsenic (and its compounds)	Use	16013 kg	Yes
NA - 02	Arsenic (and its compounds)	Creation	0 kg	Yes
NA - 02	Arsenic (and its compounds)	Contained in Product	16009 kg	Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Use	0 tonnes	No
NA - M09	PM10 - Particulate Matter <= 10 Microns	Creation	3.250 tonnes	Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Contained in Product		
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Use	0 tonnes	Yes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Creation	3.156 tonnes	Yes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Contained in Product		

### TRA Quantifications - Others

CAS RN	Substance Name	Change in Method of Quantification	Reasons for Change	Description of how the change impact tracking and quantification of the substance	Description of how an incident(s) affected quantifications	Significant Process Change
NA - 02	Arsenic (and its compounds)					No
NA - M09	PM10 - Particulate Matter <= 10 Microns					No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns					No

### On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 02	Arsenic (and its compounds)	Stack or Point Releases	C - Mass Balance		3.426 kg
NA - 02	Arsenic (and its compounds)	Storage or Handling Releases	C - Mass Balance		0.124 kg
NA - M09	PM10 - Particulate Matter <= 10 Microns	Stack or Point Releases	E2 - Published Emission Factors		3.139 tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Storage or Handling Releases	E2 - Published Emission Factors		0.111 tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Other Non-point Releases	E1 - Site Specific Emission Factors		0 tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Road Dust	E2 - Published Emission Factors		0 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Stack or Point Releases	E2 - Published Emission Factors		3.139 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Storage or Handling Releases	E2 - Published Emission Factors		0.017 tonnes

### On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
NA - 02	Arsenic (and its compounds)	3.550 kg
NA - M09	PM10 - Particulate Matter <= 10 Microns	3.250 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	3.156 tonnes

### On-site Releases - Total

CAS RN	Substance Name	Total releases
NA - 02	Arsenic (and its compounds)	3.550 kg

### On-site Releases - Quarterly Breakdown of Annual Releases

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
NA - 02	Arsenic (and its compounds)	25	25	25	25

### On-site Releases - Monthly Breakdown of Annual Releases

CAS RN	Substance Name	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
NA - M09	PM10 - Particulate Matter <= 10 Microns	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34

### On-site Releases - Reasons for Changes in Quantities Released from Previous Year

CAS RN	Substance Name	Reasons for Changes in Quantities from Previous Year	Comments
NA - 02	Arsenic (and its compounds)	Not applicable (first year reporting this substance)	
NA - M09	PM10 - Particulate Matter <= 10 Microns	Changes in production levels	Increased usage of dust collectors.
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Not applicable (first year reporting this substance)	

### Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
NA - 02	Arsenic (and its compounds)		Not applicable (first year reporting this substance)	

### Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
NA - 02	Arsenic (and its compounds)		Not applicable (first year reporting this substance)	

### Comparison Report - Enters, Creation, Contained in Product

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Enters the facility (Use)	0 tonnes	0 tonnes	2016	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Creation	3.250 tonnes	1.06 tonnes	2016	2.190	206.60

### Comparison Report - Enters, Creation, Contained in Product : Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - M09	PM10 - Particulate Matter <= 10 Microns	Increase in production levels	

### Comparison Report - On-site Releases

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Air	3.250 tonnes	1.060 tonnes	2016	2.190	206.60
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Water	0 tonnes	0 tonnes	2016	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Land	0 tonnes	0 tonnes	2016	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to All Media	0 tonnes	0 tonnes	2016	0	

### Comparison Report - On-site Releases - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - M09	PM10 - Particulate Matter <= 10 Microns	Increase in production levels	

### Pollution Prevention

Does the facility have a documented pollution prevention plan?

No

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

No

### Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
NA - M09	PM10 - Particulate Matter <= 10 Microns	There were no possible reduction options identified.

### Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - M09	PM10 - Particulate Matter <= 10 Microns	No quantity target	No timeline target	

### Progress on TRA Plan - Creation Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - M09	PM10 - Particulate Matter <= 10 Microns	No quantity target	No timeline target	

### Progress on TRA Plan - Additional Actions

CAS RN	Substance Name	Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?	Describe any additional actions that were taken during the reporting period to achieve the plan's objectives	Provide a public summary of the description of the additional action taken
NA - M09	PM10 - Particulate Matter <= 10 Microns	No		

### Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the additional actions.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the additional actions.	

## Progress on TRA Plan - Amendments

CAS RN	Substance Name	Were any amendments made to the toxic substance reduction plan during the reporting period	Description any amendments that were made to the toxic substance reduction plan during the reporting period	Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period
NA - M09	PM10 - Particulate Matter <= 10 Microns	No		

Empty

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