



# 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:	Update 1 - Submitted
Modified Date/Time:	10/08/2018 4:48 PM
Report Update Comments:	Error in distribution of chrome production tally throughout the year.

### Company and Facility Details

Company Name:	Aqua Bond Inc.
Business Number:	820752657
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 440 Passmore Avenue City, Province/Territory, Postal Code: Scarborough Ontario M1V 5J8 Country: Canada
Facility Name:	Aqua Bond Inc.
NAICS Code:	325189
NPRI ID:	4433
Physical Address:	Address Line 1: 440 Passmore Avenue City, Province/Territory, Postal Code: Toronto Ontario M1V 5J8 Country: Canada Latitude: 43.8304 Longitude: -79.2545

### Contacts Details

Contact Type	Technical Contact, Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan
Name:	Jeffrey Castrucci
Position:	Process Quality Manager
Telephone:	4167547211
Fax:	4167547143
Email:	jeffrey.castrucci@aquabond.ca
Contact Type	Certifying Official, Highest Ranking Employee
Name:	Bruce Girard
Position:	President/CEO

Telephone:	4167547211
Fax:	4167547143
Email:	bruce.girard@aquabond.ca

## General Information

Number of employees:	12
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):	No

## Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
NA - 03	Cadmium (and its compounds)	0.0000	N/A	N/A	N/A	kg
NA - 05	Cobalt (and its compounds)	N/A	N/A	N/A	N/A	kg
NA - 19	Hexavalent chromium (and its compounds)	0.0012	N/A	N/A	N/A	kg

## 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 - 03	Cadmium (and its compounds)	Yes	Yes		Yes
NA - 05	Cobalt (and its compounds)	Yes	Yes		Yes
NA - 19	Hexavalent chromium (and its compounds)	Yes	Yes		No

## Applicable Programs - Comments

CAS RN	Substance Name	Comments
NA - 19	Hexavalent chromium (and its compounds)	We have a Toxic Substance Reduction Plan for Hexavalent Chromium.

## 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 - 03	Cadmium (and its compounds)	Yes	No	No
NA - 05	Cobalt (and its compounds)	No	No	No
NA - 19	Hexavalent chromium (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 - 03	Cadmium (and its compounds)	No	No	No
NA - 05	Cobalt (and its compounds)	No	No	No
	Hexavalent			

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 - 19	chromium (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 - 03	Cadmium (and its compounds)		Repackaging only	
NA - 05	Cobalt (and its compounds)		As a formulation component	
NA - 19	Hexavalent chromium (and its compounds)	For sale/distribution	As a formulation component	

## TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
NA - 03	Cadmium (and its compounds)	Use	306 kg	Yes
NA - 03	Cadmium (and its compounds)	Creation	0 kg	No
NA - 03	Cadmium (and its compounds)	Contained in Product	306 kg	Yes
NA - 05	Cobalt (and its compounds)	Use	192 kg	Yes
NA - 05	Cobalt (and its compounds)	Creation	0 kg	No
NA - 05	Cobalt (and its compounds)	Contained in Product	192 kg	Yes
NA - 19	Hexavalent chromium (and its compounds)	Use	52561 kg	Yes
NA - 19	Hexavalent chromium (and its compounds)	Creation	0 kg	No
NA - 19	Hexavalent chromium (and its compounds)	Contained in Product	52561 kg	Yes

## 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 - 03	Cadmium (and its compounds)					No
NA - 05	Cobalt (and its compounds)					No
NA - 19	Hexavalent chromium (and its compounds)					Yes

## On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 03	Cadmium (and its compounds)	Storage or Handling Releases	C - Mass Balance		0 kg
NA - 19	Hexavalent chromium (and its compounds)	Stack or Point Releases	E1 - Site Specific Emission Factors		0.0012 kg

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

CAS RN	Substance Name	Total - Releases to Air
NA - 03	Cadmium (and its compounds)	0 kg
NA - 19	Hexavalent chromium (and its compounds)	0.0012 kg

## On-site Releases - Total

CAS RN	Substance Name	Total releases
NA - 03	Cadmium (and its compounds)	0 kg
NA - 19	Hexavalent chromium (and its compounds)	0.0012 kg

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

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
NA - 19	Hexavalent chromium (and its compounds)	25	25	25	25

## 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 - 03	Cadmium (and its compounds)	Not applicable (first year reporting this substance)	

CAS RN	Substance Name	Reasons for Changes in Quantities from Previous Year	Comments
NA - 05	Cobalt (and its compounds)	Not applicable (first year reporting this substance)	Our facility has no liquid discharge. All material is contained on site and repackaged for customers.
NA - 19	Hexavalent chromium (and its compounds)	Changes in production levels Pollution prevention activities	

### Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
NA - 03	Cadmium (and its compounds)		Not applicable (first year reporting this substance)	Our facility has no liquid discharge. All material is contained on site and repackaged for customers.
NA - 05	Cobalt (and its compounds)		Not applicable (first year reporting this substance)	
NA - 19	Hexavalent chromium (and its compounds)		Changes in production levels Pollution prevention activities	Improved recycling program, therefore no waste was generated that needed to be treated off site.

### Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
NA - 03	Cadmium (and its compounds)		Not applicable (first year reporting this substance)	
NA - 05	Cobalt (and its compounds)		Not applicable (first year reporting this substance)	
NA - 19	Hexavalent chromium (and its compounds)		Changes in production levels Pollution prevention activities	Improved recycling program, therefore no waste was generated that needed to be treated off site.

### 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 - 19	Hexavalent chromium (and its compounds)	No	Enters the facility (Use)	52561 kg	110000 kg	2016	-57439	-52.22
NA - 19	Hexavalent chromium (and its compounds)	No	Creation	0 kg	0 kg	2016	0	
NA - 19	Hexavalent chromium (and its compounds)	No	Contained in Product	52561 kg	110000 kg	2016	-57439	-52.22

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 19	Hexavalent chromium (and its compounds)	Decrease 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 - 19	Hexavalent chromium (and its compounds)	No	Total Releases to Air	0.0012 kg	0.0021 kg	2016	-0.0009	-42.86
NA - 19	Hexavalent chromium (and its compounds)	No	Total Releases to Water	0 kg	0 kg	2016	0	
NA - 19	Hexavalent chromium (and its compounds)	No	Total Releases to Land	0 kg	0 kg	2016	0	
NA - 19	Hexavalent chromium (and its compounds)	No	Total Releases to All Media	0 kg	0 kg	2016	0	

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 19	Hexavalent chromium (and its compounds)	Decrease 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 - 19	Hexavalent chromium (and its compounds)	The company has installed a closed dissolution room, with its own scrubber. Emissions have been measured and are very low. The Company will continue their effort in protection the environment.

## Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 19	Hexavalent chromium (and its compounds)	No quantity target	No timeline target	The Company does not intend to reduce the use of the reportable toxic substance. The toxic substance is required for product and public safety.

## Progress on TRA Plan - Creation Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 19	Hexavalent chromium (and its compounds)	No quantity target	No timeline target	The reportable toxic substance is not created at the facility.

## 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 - 19	Hexavalent chromium (and its compounds)	No		

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

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
NA - 19	Hexavalent chromium (and its compounds)	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 - 19	Hexavalent chromium (and its compounds)	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 - 19	Hexavalent chromium (and its compounds)	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.	
NA - 19	Hexavalent chromium (and its compounds)	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 - 19	Hexavalent chromium (and its compounds)	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 - 19	Hexavalent chromium (and its compounds)	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 - 19	Hexavalent chromium (and its compounds)	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 - 19	Hexavalent chromium (and its compounds)	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 - 19	Hexavalent chromium (and its compounds)	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 - 19	Hexavalent chromium (and its compounds)	No		

## Report Submission and Electronic Certification

### NPRI - 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.

Note: Only the person identified as the Certifying Official or the authorized delegate should submit the report(s) identified below.

Company Name

Aqua Bond Inc.

Certifying Official (or authorized delegate)

Bruce Girard

Report Submitted by

Jeffrey Castrucci

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.

## ON MOE TRA - Electronic Certification Statement

### Annual Report Certification Statement

As of 10/08/2018, I, Bruce Girard, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

### TRA Substance List

CAS RN	Substance Name
NA - 03	Cadmium (and its compounds)
NA - 05	Cobalt (and its compounds)
NA - 19	Hexavalent chromium (and its compounds)

Company Name

Aqua Bond Inc.

Highest Ranking Employee

Bruce Girard

Report Submitted by

Jeffrey Castrucci

Website address

Aquabond.ca

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.

### Submitted Report

Period	Submission Date	Facility Name	Province	City	Programs
2017	10/08/2018	Aqua Bond Inc.	Ontario	Toronto	NPRI, ON MOE TRA

Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, if operations at the facility are terminated, or if information submitted for any previous year was mistaken or inaccurate, please update this information through SWIM or by contacting the National Pollutant Release Inventory directly.

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