



# National Pollutant Release Inventory (NPRI) and



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## Report Preview

### Report Details

Report Year	2016
Report Type:	NPRI,ON MOE TRA,ON MOE
Report Status:	Submitted
Modified Date/Time:	31/05/2017 11:39 AM

### Company and Facility Details

Company Name:	Shrader Canada
Business Number:	876455148
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 830 Progress Court City, Province/Territory, Postal Code: Oakville Ontario L6L6K1 Country: Canada
Facility Name:	SHRADER CANADA
NAICS Code:	324190
NPRI ID:	2133
ON Reg 127/01 ID:	1425100
Physical Address:	Address Line 1: 830 Progress Court City, Province/Territory, Postal Code: Oakville Ontario L6L6K1 Country: Canada Latitude: 43.42780 Longitude: -79.71690 UTM Zone: 17 UTM Easting: 603982 UTM Northing: 4808832

### Parent Companies

Company Name:	Shrader Canada Limited
Business Number:	876455148
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 830 Progress Court City, Province/Territory, Postal Code: Oakville Ontario L6L 6K1 Country: Canada

### Permits

Number or Permit Number:	3604-949SAF
Government Department, Agency, or Program Name:	Ontario Ministry of Environment

## Contacts Details

Contact Type	Technical Contact, Company Coordinator, Person who coordinated the preparation of the Toxics Reduction Plan, Public Contact
Name:	James Henry
Position:	Manager, Quality & HSE
Telephone:	9058470222
Fax:	9058475405
Email:	jhenry@shradercanada.com
Contact Type	Certifying Official, Highest Ranking Employee
Name:	Duff Moore
Position:	VP Operations
Telephone:	9058470222
Fax:	9058475404
Email:	dmoore@shradercanada.com
Contact Type	Person who prepared the report
Name:	R BurnsideLtd
Position:	Air Group Manager
Telephone:	9058211800
Fax:	9052811809
Email:	harvey.watson@rjburnside.com
Mailing Address:	Address Line 1: 2 - 6990 Creditview Road City, Province/Territory, Postal Code: Mississauga Ontario L5N 8R9 Country: Canada

## General Information

Number of employees:	62
Activities for Which the 20,000-Hour Employee Threshold Does Not Apply:	None of the above
Activities Relevant to Reporting Dioxins, Furans and Hexacholorobenzene:	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:	Yes
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
95-63-6	1,2,4-Trimethylbenzene	0.0025	N/A	0.0570	N/A	tonnes
111-76-2	2-Butoxyethanol	0.0002	N/A	0.0110	N/A	tonnes

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
67-64-1	Acetone	0.4742	N/A	N/A	N/A	tonnes
67-63-0	Isopropyl alcohol	0.0442	N/A	0.0970	N/A	tonnes
108-88-3	Toluene	0.0073	N/A	0.0210	N/A	tonnes
1330-20-7	Xylene (all isomers)	0.0038	N/A	0.0390	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
95-63-6	1,2,4-Trimethylbenzene	Yes	Yes		No
111-76-2	2-Butoxyethanol	Yes	Yes		No
67-64-1	Acetone		Yes	Yes	No
67-63-0	Isopropyl alcohol	Yes	Yes		No
108-88-3	Toluene	Yes	Yes		No
1330-20-7	Xylene (all isomers)	Yes	Yes		No

## 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
95-63-6	1,2,4-Trimethylbenzene	Yes	Yes	No
111-76-2	2-Butoxyethanol	Yes	Yes	No
67-64-1	Acetone	Yes	No	No
67-63-0	Isopropyl alcohol	Yes	Yes	No
108-88-3	Toluene	Yes	Yes	No
1330-20-7	Xylene (all isomers)	Yes	Yes	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
95-63-6	1,2,4-Trimethylbenzene	Yes	No	No
111-76-2	2-Butoxyethanol	Yes	No	No
67-64-1	Acetone	No	No	No
67-63-0	Isopropyl alcohol	Yes	No	No
108-88-3	Toluene	Yes	No	No
1330-20-7	Xylene (all isomers)	Yes	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
95-63-6	1,2,4-Trimethylbenzene		As a formulation component	
111-76-2	2-Butoxyethanol		As a formulation component	
67-64-1	Acetone		As a formulation component	
67-63-0	Isopropyl alcohol		As a formulation component	
108-88-3	Toluene		As a formulation component	
1330-20-7	Xylene (all isomers)		As a formulation component	

## TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
95-63-6	1,2,4-Trimethylbenzene	Use	51.950 tonnes	Yes
95-63-6	1,2,4-Trimethylbenzene	Creation	0 tonnes	Yes
95-63-6	1,2,4-Trimethylbenzene	Contained in Product	51.891 tonnes	Yes
111-76-2	2-Butoxyethanol	Use	10.570 tonnes	Yes
111-76-2	2-Butoxyethanol	Creation	0 tonnes	Yes
111-76-2	2-Butoxyethanol	Contained in Product	10.558 tonnes	Yes
67-64-1	Acetone	Use	98.270 tonnes	Yes

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
67-64-1	Acetone	Creation	0 tonnes	Yes
67-64-1	Acetone	Contained in Product		
67-63-0	Isopropyl alcohol	Use	89.520 tonnes	Yes
67-63-0	Isopropyl alcohol	Creation	0 tonnes	Yes
67-63-0	Isopropyl alcohol	Contained in Product	89.378 tonnes	Yes
108-88-3	Toluene	Use	18.910 tonnes	Yes
108-88-3	Toluene	Creation	0 tonnes	Yes
108-88-3	Toluene	Contained in Product	18.882 tonnes	Yes
1330-20-7	Xylene (all isomers)	Use	35.440 tonnes	Yes
1330-20-7	Xylene (all isomers)	Creation	0 tonnes	Yes
1330-20-7	Xylene (all isomers)	Contained in Product	35.398 tonnes	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
95-63-6	1,2,4-Trimethylbenzene					No
111-76-2	2-Butoxyethanol					No
67-64-1	Acetone					No
67-63-0	Isopropyl alcohol					No
108-88-3	Toluene					No
1330-20-7	Xylene (all isomers)					No

## On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
67-64-1	Acetone	Storage or Handling Releases	O - Engineering Estimates		0.2371 tonnes
67-64-1	Acetone	Fugitive Releases	O - Engineering Estimates		0.2371 tonnes

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

CAS RN	Substance Name	Total - Releases to Air
67-64-1	Acetone	0.4742 tonnes

## Total Quantity Released (All Media)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
95-63-6	1,2,4-Trimethylbenzene	Total Quantity Released	O - Engineering Estimates		0.0025 tonnes
111-76-2	2-Butoxyethanol	Total Quantity Released	O - Engineering Estimates		0.0002 tonnes
67-63-0	Isopropyl alcohol	Total Quantity Released	O - Engineering Estimates		0.0442 tonnes
108-88-3	Toluene	Total Quantity Released	O - Engineering Estimates		0.0073 tonnes
1330-20-7	Xylene (all isomers)	Total Quantity Released	O - Engineering Estimates		0.0038 tonnes

## On-site Releases - Total

## 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
108-88-3	Toluene	Changes in production levels	
111-76-2	2-Butoxyethanol	No significant change (i.e. < 10%) or no change	RJ Burnside completed 2015 NPRI calculations; Shrader completed 2014 calculations.
1330-20-7	Xylene (all isomers)	Changes in production levels	
67-63-0	Isopropyl alcohol	No significant change (i.e. < 10%) or no change	
95-63-6	1,2,4-Trimethylbenzene	Changes in production levels	

## Disposals - Off-site Transfers (excluding Tailings and Waste Rock)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
95-63-6	1,2,4-Trimethylbenzene	Chemical Treatment	O - Engineering Estimates		0.057 tonnes

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
111-76-2	2-Butoxyethanol	Chemical Treatment	O - Engineering Estimates		0.011 tonnes
67-63-0	Isopropyl alcohol	Chemical Treatment	O - Engineering Estimates		0.097 tonnes
108-88-3	Toluene	Chemical Treatment	O - Engineering Estimates		0.021 tonnes
1330-20-7	Xylene (all isomers)	Chemical Treatment	O - Engineering Estimates		0.039 tonnes

### Disposals - Off-site Transfers (excluding Tailings and Waste Rock) - Total

CAS RN	Substance Name	Total - Treatment Prior to Final Disposal
95-63-6	1,2,4-Trimethylbenzene	0.057 tonnes
111-76-2	2-Butoxyethanol	0.011 tonnes
67-63-0	Isopropyl alcohol	0.097 tonnes
108-88-3	Toluene	0.021 tonnes
1330-20-7	Xylene (all isomers)	0.039 tonnes

### Disposals - Off-site Transfers (excluding Tailings and Waste Rock) - By Facilities

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
108-88-3	Toluene	Chemical Treatment	RPR Environmental	164 South Service Rd., Stoney Creek, ON, Canada	0.021 tonnes
111-76-2	2-Butoxyethanol	Chemical Treatment	RPR Environmental	164 South Service Rd., Stoney Creek, ON, Canada	0.011 tonnes
1330-20-7	Xylene (all isomers)	Chemical Treatment	RPR Environmental	164 South Service Rd., Stoney Creek, ON, Canada	0.039 tonnes
67-63-0	Isopropyl alcohol	Chemical Treatment	RPR Environmental	164 South Service Rd., Stoney Creek, ON, Canada	0.097 tonnes
95-63-6	1,2,4-Trimethylbenzene	Chemical Treatment	RPR Environmental	164 South Service Rd., Stoney Creek, ON, Canada	0.057 tonnes

### Disposals - Total Quantity Disposed (All Media)

CAS RN	Substance Name	Total Quantity Disposed (All Media)
95-63-6	1,2,4-Trimethylbenzene	0.057 tonnes
111-76-2	2-Butoxyethanol	0.011 tonnes
67-63-0	Isopropyl alcohol	0.097 tonnes
108-88-3	Toluene	0.021 tonnes
1330-20-7	Xylene (all isomers)	0.039 tonnes

### Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
108-88-3	Toluene	Production residues	Other (specify in On-site Releases comment field)	Increase in waste disposal.
111-76-2	2-Butoxyethanol	Production residues	Changes in production levels	
1330-20-7	Xylene (all isomers)	Production residues	Other (specify in On-site Releases comment field)	Increase in waste disposed.
67-63-0	Isopropyl alcohol	Production residues Contaminated materials	Changes in production levels	
95-63-6	1,2,4-Trimethylbenzene	Production residues Contaminated materials	Changes in production levels Other (specify in On-site Releases comment field)	increase in waste disposed.

### Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
108-88-3	Toluene		No significant change (i.e. < 10%) or no change	
111-76-2	2-Butoxyethanol		No significant change (i.e. < 10%) or no change	
1330-20-7	Xylene (all isomers)		No significant change (i.e. < 10%) or no change	
67-63-0	Isopropyl alcohol		No significant change (i.e. < 10%) or no change	
95-63-6	1,2,4-Trimethylbenzene		No significant change (i.e. < 10%) or no change	

### 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
95-63-6	1,2,4-Trimethylbenzene	No	Enters the facility (Use)	51.950 tonnes	42.710 tonnes	2015	9.240	21.63
95-63-6	1,2,4-Trimethylbenzene	No	Creation	0 tonnes	0 tonnes	2015	0	

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
95-63-6	1,2,4-Trimethylbenzene	No	Contained in Product	51.891 tonnes	42.691 tonnes	2015	9.200	21.55
111-76-2	2-Butoxyethanol	No	Enters the facility (Use)	10.570 tonnes	11.730 tonnes	2015	-1.160	-9.89
111-76-2	2-Butoxyethanol	No	Creation	0 tonnes	0 tonnes	2015	0	
111-76-2	2-Butoxyethanol	No	Contained in Product	10.558 tonnes	11.725 tonnes	2015	-1.167	-9.95
67-64-1	Acetone	No	Enters the facility (Use)	98.270 tonnes	87.520 tonnes	2015	10.750	12.28
67-64-1	Acetone	No	Creation	0 tonnes	0 tonnes	2015	0	
67-63-0	Isopropyl alcohol	No	Enters the facility (Use)	89.520 tonnes	93.110 tonnes	2015	-3.590	-3.86
67-63-0	Isopropyl alcohol	No	Creation	0 tonnes	0 tonnes	2015	0	
67-63-0	Isopropyl alcohol	No	Contained in Product	89.378 tonnes	93.028 tonnes	2015	-3.650	-3.92
108-88-3	Toluene	No	Enters the facility (Use)	18.910 tonnes	14.990 tonnes	2015	3.920	26.15
108-88-3	Toluene	No	Creation	0 tonnes	0 tonnes	2015	0	
108-88-3	Toluene	No	Contained in Product	18.882 tonnes	14.978 tonnes	2015	3.904	26.06
1330-20-7	Xylene (all isomers)	No	Enters the facility (Use)	35.440 tonnes	30.360 tonnes	2015	5.080	16.73
1330-20-7	Xylene (all isomers)	No	Creation	0 tonnes	0 tonnes	2015	0	
1330-20-7	Xylene (all isomers)	No	Contained in Product	35.398 tonnes	30.345 tonnes	2015	5.053	16.65

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
95-63-6	1,2,4-Trimethylbenzene	Increase in production levels	
111-76-2	2-Butoxyethanol	No reasons - quantities approximately the same	
67-64-1	Acetone	No reasons - quantities approximately the same	
67-63-0	Isopropyl alcohol	No reasons - quantities approximately the same	
108-88-3	Toluene	Increase in production levels	
1330-20-7	Xylene (all isomers)	No reasons - quantities approximately the same 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
95-63-6	1,2,4-Trimethylbenzene	No	Total Releases to Air	0 tonnes	0 tonnes	2015	0	
95-63-6	1,2,4-Trimethylbenzene	No	Total Releases to Water	0 tonnes	0 tonnes	2015	0	
95-63-6	1,2,4-Trimethylbenzene	No	Total Releases to Land	0 tonnes	0 tonnes	2015	0	
95-63-6	1,2,4-Trimethylbenzene	No	Total Releases to All Media	0.0025 tonnes	0.0020 tonnes	2015	0.0005	25.00
111-76-2	2-Butoxyethanol	No	Total Releases to Air	0 tonnes	0 tonnes	2015	0	
111-76-2	2-Butoxyethanol	No	Total Releases to Water	0 tonnes	0 tonnes	2015	0	
111-76-2	2-Butoxyethanol	No	Total Releases to Land	0 tonnes	0 tonnes	2015	0	
111-76-2	2-Butoxyethanol	No	Total Releases to All Media	0.0002 tonnes	0.0002 tonnes	2015	0.0000	0
67-64-1	Acetone	No	Total Releases to Air	0.4742 tonnes	0.422 tonnes	2015	0.0522	12.37
67-64-1	Acetone	No	Total Releases to Water	0 tonnes	0 tonnes	2015	0	
67-64-1	Acetone	No	Total Releases to Land	0 tonnes	0 tonnes	2015	0	
67-64-1	Acetone	No	Total Releases to All Media	0 tonnes	0 tonnes	2015	0	
67-63-0	Isopropyl alcohol	No	Total Releases to Air	0 tonnes	0 tonnes	2015	0	
67-63-0	Isopropyl alcohol	No	Total Releases to Water	0 tonnes	0 tonnes	2015	0	

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
67-63-0	Isopropyl alcohol	No	Total Releases to Land	0 tonnes	0 tonnes	2015	0	
67-63-0	Isopropyl alcohol	No	Total Releases to All Media	0.0442 tonnes	0.0460 tonnes	2015	-0.0018	-3.91
108-88-3	Toluene	No	Total Releases to Air	0 tonnes	0 tonnes	2015	0	
108-88-3	Toluene	No	Total Releases to Water	0 tonnes	0 tonnes	2015	0	
108-88-3	Toluene	No	Total Releases to Land	0 tonnes	0 tonnes	2015	0	
108-88-3	Toluene	No	Total Releases to All Media	0.0073 tonnes	0.0058 tonnes	2015	0.0015	25.86
1330-20-7	Xylene (all isomers)	No	Total Releases to Air	0 tonnes	0 tonnes	2015	0	
1330-20-7	Xylene (all isomers)	No	Total Releases to Water	0 tonnes	0 tonnes	2015	0	
1330-20-7	Xylene (all isomers)	No	Total Releases to Land	0 tonnes	0 tonnes	2015	0	
1330-20-7	Xylene (all isomers)	No	Total Releases to All Media	0.0038 tonnes	0.0033 tonnes	2015	0.0005	15.15

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
95-63-6	1,2,4-Trimethylbenzene	Increase in production levels	
111-76-2	2-Butoxyethanol	No reasons - quantities approximately the same	
67-64-1	Acetone	No reasons - quantities approximately the same	
67-63-0	Isopropyl alcohol	No reasons - quantities approximately the same	
108-88-3	Toluene	Increase in production levels	
1330-20-7	Xylene (all isomers)	No reasons - quantities approximately the same	

### Comparison Report - Disposals On-site, Off-site and Tailings and Waste Rock

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
95-63-6	1,2,4-Trimethylbenzene	No	Total On-site Disposals	0 tonnes	0 tonnes	2015	0	
95-63-6	1,2,4-Trimethylbenzene	No	Total Off-site Disposals	0 tonnes	0 tonnes	2015	0	
95-63-6	1,2,4-Trimethylbenzene	No	Total Off-site transfer for treatment Prior to Final Disposal	0.057 tonnes	0.017 tonnes	2015	0.040	235.29
95-63-6	1,2,4-Trimethylbenzene	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
95-63-6	1,2,4-Trimethylbenzene	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
111-76-2	2-Butoxyethanol	No	Total On-site Disposals	0 tonnes	0 tonnes	2015	0	
111-76-2	2-Butoxyethanol	No	Total Off-site Disposals	0 tonnes	0 tonnes	2015	0	
111-76-2	2-Butoxyethanol	No	Total Off-site transfer for treatment Prior to Final Disposal	0.011 tonnes	0.005 tonnes	2015	0.006	120.0
111-76-2	2-Butoxyethanol	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
111-76-2	2-Butoxyethanol	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
67-63-0	Isopropyl alcohol	No	Total On-site Disposals	0 tonnes	0 tonnes	2015	0	
67-63-0	Isopropyl alcohol	No	Total Off-site Disposals	0 tonnes	0 tonnes	2015	0	
67-63-0	Isopropyl alcohol	No	Total Off-site transfer for treatment Prior to Final Disposal	0.097 tonnes	0.036 tonnes	2015	0.061	169.44
67-63-0	Isopropyl alcohol	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
67-63-0	Isopropyl alcohol	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
108-88-3	Toluene	No	Total On-site Disposals	0 tonnes	0 tonnes	2015	0	
108-88-3	Toluene	No	Total Off-site Disposals	0 tonnes	0 tonnes	2015	0	
108-88-3	Toluene	No	Total Off-site transfer for treatment Prior to Final Disposal	0.021 tonnes	0.0058 tonnes	2015	0.0152	262.07
108-88-3	Toluene	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
108-88-3	Toluene	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
1330-20-7	Xylene (all isomers)	No	Total On-site Disposals	0 tonnes	0 tonnes	2015	0	
1330-20-7	Xylene (all isomers)	No	Total Off-site Disposals	0 tonnes	0 tonnes	2015	0	
1330-20-7	Xylene (all isomers)	No	Total Off-site transfer for treatment Prior to Final Disposal	0.039 tonnes	0.012 tonnes	2015	0.027	225.00
1330-20-7	Xylene (all isomers)	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
1330-20-7	Xylene (all isomers)	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	

## Comparison Report - Disposals On-site, Off-site and Tailings and Waste Rock - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
95-63-6	1,2,4-Trimethylbenzene	Increase in production levels Other	Increase in waste disposed.
111-76-2	2-Butoxyethanol	Other	Increase in waste disposal.
67-63-0	Isopropyl alcohol	Other	Increase in waste disposal.
108-88-3	Toluene	Other	Increase in waste disposal.
1330-20-7	Xylene (all isomers)	Increase in production levels Other	Increase in disposal waste.

## 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
95-63-6	1,2,4-Trimethylbenzene	Shrader does not plan on implementing any of the options that have been identified as technically and economically feasible for any of its six reportable substances at this time.
111-76-2	2-Butoxyethanol	Shrader does not plan on implementing any of the options that have been identified as technically and economically feasible for any of its six reportable substances at this time.
67-64-1	Acetone	Shrader does not plan on implementing any of the options that have been identified as technically and economically feasible for any of its six reportable substances at this time.
67-63-0	Isopropyl alcohol	Shrader does not plan on implementing any of the options that have been identified as technically and economically feasible for any of its six reportable substances at this time.
108-88-3	Toluene	Shrader does not plan on implementing any of the options that have been identified as technically and economically feasible for any of its six reportable substances at this time.
1330-20-7	Xylene (all isomers)	Shrader does not plan on implementing any of the options that have been identified as technically and economically feasible for any of its six reportable substances at this time.

## Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
95-63-6	1,2,4-Trimethylbenzene	No quantity target	No timeline target	
111-76-2	2-Butoxyethanol	No quantity target	No timeline target	
67-64-1	Acetone	No quantity target	No timeline target	
67-63-0	Isopropyl alcohol	No quantity target	No timeline target	
108-88-3	Toluene	No quantity target	No timeline target	
1330-20-7	Xylene (all isomers)	No quantity target	No timeline target	

## Progress on TRA Plan - Creation Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
95-63-6	1,2,4-Trimethylbenzene	No quantity target	No timeline target	
111-76-2	2-Butoxyethanol	No quantity target	No timeline target	
67-64-1	Acetone	No quantity target	No timeline target	
67-63-0	Isopropyl alcohol	No quantity target	No timeline target	
108-88-3	Toluene	No quantity target	No timeline target	
1330-20-7	Xylene (all isomers)	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
95-63-6	1,2,4-Trimethylbenzene	No		
111-76-2	2-Butoxyethanol	No		
67-64-1	Acetone	No		
67-63-0	Isopropyl alcohol	No		
108-88-3	Toluene	No		
1330-20-7	Xylene (all isomers)	No		

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

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
95-63-6	1,2,4-Trimethylbenzene	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.	
95-63-6	1,2,4-Trimethylbenzene	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.	
95-63-6	1,2,4-Trimethylbenzene	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.	
95-63-6	1,2,4-Trimethylbenzene	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.	
95-63-6	1,2,4-Trimethylbenzene	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.	
95-63-6	1,2,4-Trimethylbenzene	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.	
95-63-6	1,2,4-Trimethylbenzene	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.	
95-63-6	1,2,4-Trimethylbenzene	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.	
95-63-6	1,2,4-Trimethylbenzene	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.	
111-76-2	2-Butoxyethanol	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.	
111-76-2	2-Butoxyethanol	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.	
111-76-2	2-Butoxyethanol	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.	
111-76-2	2-Butoxyethanol	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.	
111-76-2	2-Butoxyethanol	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.	
111-76-2	2-Butoxyethanol	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.	
111-76-2	2-Butoxyethanol	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.	
111-76-2	2-Butoxyethanol	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.	
111-76-2	2-Butoxyethanol	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.	
67-64-1	Acetone	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.	
67-64-1	Acetone	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.	
67-64-1	Acetone	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.	
67-64-1	Acetone	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.	
67-64-1	Acetone	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.	
67-64-1	Acetone	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.	
67-64-1	Acetone	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.	
67-64-1	Acetone	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.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
67-64-1	Acetone	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.	
67-63-0	Isopropyl alcohol	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.	
67-63-0	Isopropyl alcohol	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.	
67-63-0	Isopropyl alcohol	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.	
67-63-0	Isopropyl alcohol	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.	
67-63-0	Isopropyl alcohol	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.	
67-63-0	Isopropyl alcohol	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.	
67-63-0	Isopropyl alcohol	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.	
67-63-0	Isopropyl alcohol	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.	
67-63-0	Isopropyl alcohol	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.	
108-88-3	Toluene	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.	
108-88-3	Toluene	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.	
108-88-3	Toluene	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.	
108-88-3	Toluene	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.	
108-88-3	Toluene	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.	
108-88-3	Toluene	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.	
108-88-3	Toluene	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.	
108-88-3	Toluene	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.	
108-88-3	Toluene	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.	
1330-20-7	Xylene (all isomers)	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.	
1330-20-7	Xylene (all isomers)	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.	
1330-20-7	Xylene (all isomers)	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.	
1330-20-7	Xylene (all isomers)	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.	
1330-20-7	Xylene (all isomers)	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.	
1330-20-7	Xylene (all isomers)	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.	
1330-20-7	Xylene (all isomers)	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.	
1330-20-7	Xylene (all isomers)	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.	
1330-20-7	Xylene (all isomers)	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
95-63-6	1,2,4-Trimethylbenzene	No		
111-76-2	2-Butoxyethanol	No		
67-64-1	Acetone	No		
67-63-0	Isopropyl alcohol	No		
108-88-3	Toluene	No		
1330-20-7	Xylene (all isomers)	No		

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
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## 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

Shrader Canada

Certifying Official (or authorized delegate)

Duff Moore

Report Submitted by

James Henry

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 31/05/2017, I, Duff Moore, 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
95-63-6	1,2,4-Trimethylbenzene
111-76-2	2-Butoxyethanol
67-64-1	Acetone
67-63-0	Isopropyl alcohol
108-88-3	Toluene
1330-20-7	Xylene (all isomers)

Company Name

Shrader Canada

Highest Ranking Employee

Duff Moore

Report Submitted by

James Henry

Website address

www.shradercanada.com

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
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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.

Version: 3.11.4



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