

National Pollutant Release Inventory (NPRI) and Partners



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Report Preview

Report Details

Report Year	2018
Report Type:	NPRI,ON MECP TRA
Report Status:	Submitted
Modified Date/Time:	01/04/2019 11:54 AM

Company and Facility Details

Company Name:	Stanpac
Business Number:	104991724
Mailing Address:	Delivery Mode: RuralRoute Rural Route Number: 3 Address Line 1: Spring Creek Road City, Province/Territory, Postal Code: Smithville Ontario L0R 2A0 Country: Canada
Facility Name:	STANPAC INC.
NAICS Code:	323119
NPRI ID:	7692
Portable:	No
Physical Address:	Address Line 1: 2790 Thompson Road City, Province/Territory, Postal Code: Smithville Ontario L0R 2A0 Country: Canada Latitude: 43.1064 Longitude: -79.5373 UTM Zone: 17 UTM Easting: 619054 UTM Northing: 4773724

Permits

Number or Permit Number:	ON2519300
Government Department, Agency, or Program Name:	Ontario MOE - Hazardous Waste Generator Number

Contacts Details

Contact Type	Technical Contact, Certifying Official, Company Coordinator, Person who prepared the report, Public Contact
Name:	Rob Schwartz
Position:	Safety
Telephone:	9059573930
Extension	2238
Email:	rob.schwartz@stanpacnet.com

Contact Type	Highest Ranking Employee
Name:	Dave Kuzmich
Position:	Vice President Engineering
Telephone:	9059573930
Extension	2226
Fax:	9059573616
Email:	davek@stanpacnet.com
Mailing Address:	Delivery Mode: RuralRoute Rural Route Number: 3 Address Line 1: Spring Creek Road City, Province/Territory, Postal Code: Smithville Ontario L0R 2A0 Country: Canada

Contact Type	Person who coordinated the preparation of the Toxics Reduction Plan
Name:	Tabitha Lee
Position:	Consultant
Telephone:	9059406161
Extension	365
Fax:	9059402064
Email:	tlee@coleengineering.ca
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 70 Valleywood Drive City, Province/Territory, Postal Code: Markham Ontario L3R 4T5 Country: Canada

General Information

Number of employees:	418
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
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:	Yes
Operating Schedule - Days of the Week:	Mon, Tue, Wed, Thu, Fri
Usual Number of Operating Hours per day:	8
Usual Daily Start Time (24h) (hh:mm):	07:00

Shutdown Periods:

From 2018-07-07 To 2018-07-14	
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Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
111-76-2	2-Butoxyethanol	0.0000	N/A	N/A	0.9150	tonnes
NA - M16	Volatile Organic Compounds (VOCs)	12.7000	12.6000	N/A	N/A	tonnes

Applicable Programs

CAS RN	Substance Name	NPRI	ON MECP TRA	ON MECP Reg 127/01	First report for this substance to the ON MECP TRA
111-76-2	2-Butoxyethanol	Yes	Yes		No
NA - M16	Volatile Organic Compounds (VOCs)	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
111-76-2	2-Butoxyethanol	Yes	Yes	No
NA - M16	Volatile Organic Compounds (VOCs)		No	Yes

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
111-76-2	2-Butoxyethanol	No	No	Yes
NA - M16	Volatile Organic Compounds (VOCs)			

General Information about the Substance - Nature of Activities

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
111-76-2	2-Butoxyethanol			As a physical or chemical processing aid As a manufacturing aid
NA - M16	Volatile Organic Compounds (VOCs)			

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
111-76-2	2-Butoxyethanol	Use	2.7 tonnes	Yes
111-76-2	2-Butoxyethanol	Creation	0 tonnes	Yes
111-76-2	2-Butoxyethanol	Contained in Product	2.7 tonnes	Yes
NA - M16	Volatile Organic Compounds (VOCs)	Use	19.06 tonnes	Yes
NA - M16	Volatile Organic Compounds (VOCs)	Creation	0 tonnes	Yes
NA - M16	Volatile Organic Compounds (VOCs)	Contained in Product		

TRA Quantifications - VOC Breakdown List

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity
111-76-2	2-Butoxyethanol	Use	1.83 tonnes
111-76-2	2-Butoxyethanol	Creation	0 tonnes
8042-47-5	White mineral oil	Use	10.8 tonnes
8042-47-5	White mineral oil	Creation	0 tonnes

TRA Quantifications - Total Speciated VOCs

Use, Creation, Contained in Product	Quantity
Use	12.63 tonnes
Creation	0 tonnes

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	Reason for the significant process change
111-76-2	2-Butoxyethanol					No	
NA - M16	Volatile Organic Compounds (VOCs)					No	

On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - M16	Volatile Organic Compounds (VOCs)	Stack or Point Releases	C - Mass Balance		12.7 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Other Sources - Speciated VOCs	NA - Not Applicable		12.7 tonnes

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
NA - M16	Volatile Organic Compounds (VOCs)	12.7 tonnes

On-site Releases - Releases to air - VOC Breakdown List

Category	CAS RN	Substance Name	Quantity
Other Sources - Speciated VOCs	111-76-2	2-Butoxyethanol	1.8 tonnes
Other Sources - Speciated VOCs	8042-47-5	White mineral oil	10.8 tonnes

Total Quantity Released (All Media)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
111-76-2	2-Butoxyethanol	Total Quantity Released	C - Mass Balance		0 tonnes

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 - M16	Volatile Organic Compounds (VOCs)	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
111-76-2	2-Butoxyethanol	Decrease in production levels	
NA - M16	Volatile Organic Compounds (VOCs)	Decrease in production levels	

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
111-76-2	2-Butoxyethanol		No significant change (i.e. <10% or no change)	

Recycling - Off-site Transfers for Recycling

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
111-76-2	2-Butoxyethanol	Recovery of Solvents	C - Mass Balance		0.915 tonnes

Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
111-76-2	2-Butoxyethanol	0.915 tonnes

Recycling - Off-site Transfers for Recycling - By Facility

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
111-76-2	2-Butoxyethanol	Recovery of Solvents	RPR Environmental	164 South Service Rd., Stoney Creek, ON, Canada	0.915 tonnes

Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
111-76-2	2-Butoxyethanol	Production Residues Contaminated materials Machine or finishing residues	Changes in estimation methods	

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
111-76-2	2-Butoxyethanol	No	Enters the facility (Use)	2.7 tonnes	2.06 tonnes	2017	0.64	31.07
111-76-2	2-Butoxyethanol	No	Creation	0 tonnes	0 tonnes	2017	0	

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
111-76-2	2-Butoxyethanol	No	Contained in Product	2.7 tonnes	0 tonnes	2017	2.7	100
111-76-2	2-Butoxyethanol	Yes	Enters the facility (Use)	1.83 tonnes	2.1 tonnes	2017	-0.27	-12.86
111-76-2	2-Butoxyethanol	Yes	Creation	0 tonnes	0 tonnes	2017	0	
8042-47-5	White mineral oil	Yes	Enters the facility (Use)	10.8 tonnes	27.6 tonnes	2017	-16.8	-60.87
8042-47-5	White mineral oil	Yes	Creation	0 tonnes	0 tonnes	2017	0	

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
111-76-2	2-Butoxyethanol	Decrease in production levels	
NA - M16	Volatile Organic Compounds (VOCs)	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
111-76-2	2-Butoxyethanol	No	Total Releases to Air	0 tonnes	0 tonnes	2017	0	
111-76-2	2-Butoxyethanol	No	Total Releases to Water	0 tonnes	0 tonnes	2017	0	
111-76-2	2-Butoxyethanol	No	Total Releases to Land	0 tonnes	0 tonnes	2017	0	
111-76-2	2-Butoxyethanol	No	Total Releases to All Media	0 tonnes	0 tonnes	2017	0	
111-76-2	2-Butoxyethanol	Yes	Total Releases to Air	1.8 tonnes	3 tonnes	2017	-1.2	-40.0
8042-47-5	White mineral oil	Yes	Total Releases to Air	10.8 tonnes	6 tonnes	2017	4.8	80.0

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
111-76-2	2-Butoxyethanol	Decrease in production levels	
NA - M16	Volatile Organic Compounds (VOCs)	Decrease in production levels	

Comparison Report - Transfers off-site for Recycling

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
111-76-2	2-Butoxyethanol	No	Total off-site Transfers for Recycling	0.915 tonnes	2.79 tonnes	2017	-1.875	-67.20

Comparison Report - Transfers off-site for Recycling - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
111-76-2	2-Butoxyethanol	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
111-76-2	2-Butoxyethanol	The facility intends to reduce the use and/or creation of reportable substances wherever technically and economically feasible
8042-47-5	White mineral oil	The facility intends to reduce the use and/or creation of reportable substances wherever technically and economically feasible.

Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
111-76-2	2-Butoxyethanol	No quantity target	No timeline target	
8042-47-5	White mineral oil	No quantity target	No timeline target	

Progress on TRA Plan - Creation Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
111-76-2	2-Butoxyethanol	No quantity target	No timeline target	
8042-47-5	White mineral oil	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
111-76-2	2-Butoxyethanol	No		
8042-47-5	White mineral oil	No		

Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
111-76-2	2-Butoxyethanol	The amount of reduction in use 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 creation 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 contained in product at the facility during the reporting period that resulted due to the additional actions.	
111-76-2	2-Butoxyethanol	The amount of reduction in release to air 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 release to water 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 release to land 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 disposed on-site (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 disposed off-site (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 recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
8042-47-5	White mineral oil	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
8042-47-5	White mineral oil	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
8042-47-5	White mineral oil	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
8042-47-5	White mineral oil	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions.	
8042-47-5	White mineral oil	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions.	
8042-47-5	White mineral oil	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to the additional actions.	
8042-47-5	White mineral oil	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
8042-47-5	White mineral oil	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
8042-47-5	White mineral oil	The amount of reduction in the substance recycled off-site 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
111-76-2	2-Butoxyethanol	No		
8042-47-5	White mineral oil	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

Stanpac

Certifying Official (or authorized delegate)

Rob Schwartz

Report Submitted by

Rob Schwartz

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 MECP TRA - Electronic Certification Statement

Annual Report Certification Statement

As of 01/04/2019, I, Dave Kuzmich, 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

111-76-2

2-Butoxyethanol

8042-47-5

White mineral oil

*Due to reporting system limitations, for the 2018 annual report the TRA Substance List may include new Volatile Organic Compounds (VOCs) and/or Dioxins and Furans congeners reported to NPRI only.

Company Name

Stanpac

Highest Ranking Employee

Dave Kuzmich

Report Submitted by

Rob Schwartz

Website address

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
2018	01/04/2019	STANPAC INC.	Ontario	Smithville	NPRI, ON MECP 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.

Version: 3.15.0



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Stanpac 2018 NPRI Report

2790 Thompson Rd

NATURAL GAS COMBUSTION				
1 Basis of Emissions Calculations				
- Based on USEPA AP42 Emissions Factors for Natural Gas Combustion				
- The total annual consumption (by month) was used to calculate emissions (this includes all sources)				
2 Emissions Calculations				
Month	Natural Gas Consumption (m ³)			Annual
January	39345	Contaminant	Emission Factor (lb/10 ⁶ ft ³)	Emission Rate (kg/yr)
February	21690	Nox(NO)*	100	160
March	23098	CO	84	205
April	9795	CO2	120,000	293,494
May	912	N2O(Uncontrolled)	2.2	5
June	1277	PM (Total)	7.6	19
July	1210	PM (Condensable)	5.7	14
August	794	PM (Filterable)	1.9	5
September	929	SO2	0.6	1
October	7145	Methane	2.3	6
November	19777	VOC	5.5	13
December	26713			
Total	152,685.0			
* adjusted Nox to NO = 0.6522 * Nox = NO				
NOTE: Other natural gas combustion parameters considered insignificant				
Conversion factor from MMBTU 28.3168				

Stanpac 2018 NPRI Report

2790 Thompson Rd

Combustion Calculations - CONTAMINANT EMISSIONS SUMMARY						
ANNUAL REPORTING Criteria Air Contaminants	CAS #	Estimation Method	Emissions Threshold (kg/yr)	Calc. Annual Emissions		Annual Reporting Required?
				(kg/yr)	(tonnes/yr)	
CARBON DIOXIDE	124-38-9	EF	100,000,000	293,494	293.49	BT
CARBON MONOXIDE	630-08-0	EF	20,000	205	0.21	BT
HFC-134A	811-97-2	EF	10	0	0.00	BT
METHANE	74-82-8	EF	5,000	6	0.01	BT
NITROUS OXIDE	10024-97-2	EF	27,000	5	0.01	BT
NITROGEN OXIDES (EXPRESSED AS NO)	10102-44-0	EF	14,000	160	0.16	BT
PM - PARTICULATE MATTER	N/A - M08	EF	20,000	19	0.02	BT
PM10 - PARTICULATE MATTER <=10MICRONS	N/A - M09	EF	500	14	0.01	BT
PM2.5 - PARTICULATE MATTER <=2.5MICRONS	N/A - M10	EF	300	5	0.00	BT
SULPHUR DIOXIDE	7446-09-5	EF	20,000	1	0.00	BT
VOLATILE ORGANIC COMPOUNDS (VOC)	N/A - M16	EF	10,000	13	0.01	BT
Conservative estimate of PM 10 and PM 2.5 = half of PM total						

MSDS REVIEW 2018									
Product/ Part Name	Manufacturer	CAS#	Contaminant(s)	NPRI Part # (Threshold Category)	Mass Threshold kg	Specific Gravity	Maximum % weight per mass	Total Product Consump. (kg/yr)	By Contaminant Consump. (kg/yr)
A Chevron Superfa® White Oil	Chevron	8042-47-5	White mineral oil	5	1 tonne of 10 tonnes Total VOC	0.85	100.0	19,200.00	16,320.00
E-CURE CLASSIC WASH	Prisco	111-76-2	Butoxyethanol	1A & 5	1 tonne of 10 tonnes Total VOC	1	100.0	2,744.00	2,744.00
Total VOC's									19,064.00

NPRI CONTAMINANT EMISSIONS SUMMARY

ANNUAL REPORTING	CAS #	Estimation Method	MPO Reporting Threshold (kg/yr)	MPO Annual Usage (kg/yr)	Calc. Annual Emissions (AIR)		Calc. Annual (OFF SITE) Recycled		Annual Reporting Required?
					(kg/yr)	(tonnes/yr)	(kg/yr)	(tonnes/yr)	
Total VOC's (Part 4)	*	MB	10,000	19,064	12,709	0	6,355	6	YES
White mineral oil	8042-47-5	MB	1000	16,320	10,880	11	5,440	5	YES
Butoxyethanol	111-76-2	MB	1000	2,744	1,829	2	915	1	YES