

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:	Submitted
Modified Date/Time:	28/05/2018 10:25 AM

Company and Facility Details

Company Name:	BioPower Sustainable Energy Corp.
Business Number:	784057283
Mailing Address:	Address Line 1: 106 Goodwin Street City, Province/Territory, Postal Code: Atikokan Ontario P0T1C0 Country: Canada
Facility Name:	BioPower Sustainable Energy Corp.
NAICS Code:	321999
NPRI ID:	0
Physical Address:	Address Line 1: 106 Goodwin Street City, Province/Territory, Postal Code: Atikokan Ontario P0T1C0 Country: Canada Latitude: 48.75920 Longitude: -91.61820

Permits

Number or Permit Number:	4906-9J7QVE
Government Department, Agency, or Program Name:	Ontario Ministry of the Environment

Contacts Details

Contact Type	Technical Contact, Certifying Official, Highest Ranking Employee, Person who prepared the report
Name:	Brad Sampson
Position:	Site Manager
Telephone:	8075977834
Email:	bsampson@bpse.ca

General Information

Number of employees:	25
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, Sat, Sun
Usual Number of Operating Hours per day:	24
Usual Daily Start Time (24h) (hh:mm):	07:00

Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
67-64-1	Acetone	N/A	N/A	N/A	N/A	tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	44.8000	N/A	N/A	N/A	tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	44.8000	N/A	N/A	N/A	tonnes
NA - M08	Total Particulate Matter	44.8000	N/A	N/A	N/A	tonnes
NA - M16	Volatile Organic Compounds (VOCs)	42.8770	31.1470	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
67-64-1	Acetone		No		No
NA - M09	PM10 - Particulate Matter <= 10 Microns	Yes	Yes		Yes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Yes	Yes		Yes
NA - M08	Total Particulate Matter	Yes	Yes		Yes
NA - M16	Volatile Organic Compounds (VOCs)	Yes	Yes		Yes

TRA Exit Record

CAS RN	Substance Name	Circumstance(s) that apply	Describe the circumstances that lead to the criteria no longer being met	Describe the information and any quantifications relied upon for making the determination
67-64-1	Acetone	The substance did not meet the criteria to provide information to NPRI Acetone did not meet the criteria to provide information under O. Reg 127/01	Lower production in 2017	Source testing information and production rates

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 - 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
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
NA - M16	Volatile Organic Compounds (VOCs)			

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
NA - M09	PM10 - Particulate Matter <= 10 Microns	Use	0 tonnes	Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Creation	44.8 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	44.8 tonnes	Yes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Contained in Product		
NA - M08	Total Particulate Matter	Use	0 tonnes	Yes
NA - M08	Total Particulate Matter	Creation	44.8 tonnes	Yes
NA - M08	Total Particulate Matter	Contained in Product		
NA - M16	Volatile Organic Compounds (VOCs)	Use	0 tonnes	Yes
NA - M16	Volatile Organic Compounds (VOCs)	Creation	42.877 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
80-56-8	Alpha-Pinene	Use	0 tonnes
80-56-8	Alpha-Pinene	Creation	20.497 tonnes
127-91-3	Beta-Pinene	Creation	4.421 tonnes
50-00-0	Formaldehyde	Creation	3.858 tonnes
67-56-1	Methanol	Creation	2.371 tonnes

TRA Quantifications - Total Speciated VOCs

Use, Creation, Contained in Product	Quantity
Use	0 tonnes
Creation	31.147 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
NA - M09	PM10 - Particulate Matter <= 10 Microns					No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns					No
NA - M08	Total Particulate Matter					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 - M09	PM10 - Particulate Matter <= 10 Microns	Stack or Point Releases	M3 - Source Testing		44.8 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Stack or Point Releases	M3 - Source Testing		44.8 tonnes
NA - M08	Total Particulate Matter	Stack or Point Releases	M3 - Source Testing		44.8 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Stack or Point Releases	M3 - Source Testing		42.877 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Other Sources - Speciated VOCs	NA - Not Applicable		42.877 tonnes

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
NA - M09	PM10 - Particulate Matter <= 10 Microns	44.8 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	44.8 tonnes
NA - M08	Total Particulate Matter	44.8 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	42.877 tonnes

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

Category	CAS RN	Substance Name	Quantity
Other Sources - Speciated VOCs	80-56-8	Alpha-Pinene	20.497 tonnes
Other Sources - Speciated VOCs	127-91-3	Beta-Pinene	4.421 tonnes

Category	CAS RN	Substance Name	Quantity
Other Sources - Speciated VOCs	50-00-0	Formaldehyde	3.858 tonnes
Other Sources - Speciated VOCs	67-56-1	Methanol	2.371 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 - 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
NA - M08	Total Particulate Matter	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 - 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
NA - M08	Total Particulate Matter	No significant change (i.e. < 10%) or no change	
NA - M09	PM10 - Particulate Matter <= 10 Microns	Changes in production levels	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Changes in production levels	
NA - M16	Volatile Organic Compounds (VOCs)	No significant change (i.e. < 10%) or no change	

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

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

BioPower Sustainable Energy Corp.

Certifying Official (or authorized delegate)

Brad Sampson

Report Submitted by

Brad Sampson

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 28/05/2018, I, Brad Sampson, 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

80-56-8	Alpha-Pinene
127-91-3	Beta-Pinene
50-00-0	Formaldehyde
67-56-1	Methanol
NA - M09	PM10 - Particulate Matter <= 10 Microns
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns
NA - M08	Total Particulate Matter

Exit Record Certification Statement

As of 28/05/2018, I Brad Sampson, certify that I have read the records created for the purposes of section 11.2 of Ontario Regulation 455/09 (General) made under the Toxics Reductions Act, (2009) in respect of the use and creation of the toxic substances referred to below at BioPower Sustainable Energy Corp. and am familiar with their contents and to my knowledge they are factually accurate.

TRA Exit Record Substances

CAS RN	Substance Name
67-64-1	Acetone

Company Name

BioPower Sustainable Energy Corp.

Highest Ranking Employee

Brad Sampson

Report Submitted by

Brad Sampson

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
2017	28/05/2018	BioPower Sustainable Energy Corp.	Ontario	Atikokan	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.

Version: 3.14.0



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