2017 Annual Public Reporting for Toxic Substances Phosphorus (Total)

Facility and Contact Information

Facility NPRI No.	2122
Facility MOE No. if assigned	Not assigned
Company legal and trade names of owner and operator of the facility	Shell Canada Limited
	Brockville Lubricants Plant
Facility street/mailing address	250 Laurier Blvd.
	Brockville, Ontario, K6V 5V7
Name, position, telephone no. of facility public contact	Stephen Doolan
	Downstream Communication Manager
	403-691-3143
public contact	400 4th Avenue Southwest,
	Calgary, Alberta, T2P 2H5
No. of full-time employee equivalent	70
54.00.00 to 1.00.00 to	31-33 Manufacturing
2, 4, and 6 digit NAICS Codes	3241 Petroleum and coal product manufacturing
	324190 Other petroleum and coal product manufacturing
UTM spatial coordinates with NAD83	18T 445136 Easting
datum	18T 4941437 Northing
Legal name of Canadian parent company	Shell Canada
Street and mailing address of parent	400 4th Avenue Southwest,
company	Calgary, Alberta, T2P 4V8
Percentage ownership of facility	100

Toxic Substance Plan Information

Name and CAS numbers of toxic substance for this report	Phosphorus (Total), NA-22
Name and CAS numbers of other substances created or used at facility	Zinc and its compounds, NA-14
Date of most recent plan	November 23, 2016
Objectives of plan, and targets	Shell has a history of safe and responsible use of hazardous materials in Brockville, and has already invested significant resources to contain, recycle, and minimize the use of all hazardous materials. Going forward, Shell is committed to continuing to reduce the amount of phosphorus used by assessing material or feedstock substitution, product design or reformulation, equipment or process modification, spill and leak prevention, onsite reuse or recycling, improved inventory management or purchasing techniques, and training or improved operating procedures. The actual usage of phosphorus and achieved reductions will be documented and made available to public and Shell employees
Summarize any amendments to the plan	There were no amendments made to the plan.
Summarize the steps taken during the reporting period towards achieving the objectives of the plan	Four options were selected in the current 2016 TR plan. Three options were implemented in 2016 and provided some substance reductions in 2017. One option was evaluated in detail and found to not be feasible for implementation.

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Summarize the effectiveness of the steps taken during the reporting period	Actions for the three plans selected were effectively implemented. Two of the three plans effectively yielded reductions to usage, contained in product, and transfer and treatment for recycle. Reductions from the third plan were negated by a higher number of product changeovers required in 2017.				
Review implementation progress and timelines set out in the plan	All planned steps for the three selected options have been implemented. The fourth option will not be implemented as it was determined to be not feasible.				
Summarize actions taken in this reporting year that were additional to the steps described in the plan	A waste reduction project that was not part of the plan was implemented and produced small reductions to usage, contained in product, and transfer and treatment for recycle in 2017				

Annual Reporting Metrics

Dhasabayus (Tatal)	Used & Product, tonne			On-site Releases, tonne			Disposals, tonne		Off-Site Recycled,	
Phosphorus (Total)	Used	Created	in Product	Air	Land	Water	On-Site	Off-Site	tonne	
Previous Year	96.468	0	95.722	0	0	0	0	0.000	0.746	
Current Year	84.291	0	83.861	0	0	0	0	0.000	0.430	
Difference	-12.177	0	-11.861	0	0	0	0	0.000	-0.316	
Percent Difference	-12.62%	0%	-12.39%	0%	0%	0%	0%	0%	-42.38%	
Reductions in plan	0.114	0	0.114	0	0	0	0	0	0.114	
Reductions outside plan	0.020	0	0.020	0	0	0	0	0	0.020	
Total Reductions	0.134	0	0.134	0	0	0	0	0	0.134	
Percent Reductions	0.14%	0%	0.14%	0%	0%	0%	0%	0%	17.96%	
	Normal product mix variations with different formulations cause year to year differences in substances used and									
Rationale for changes	contained in product. The reduction in off-site recycling was due to the timing of periodic maintenance and									
	cleaning activities. More was conducted in 2016 and less in 2017.									

Certification

As of June 1, 2018, I, Kelly McKinnon, certify that I have read the report on the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the information contained in the report is factually accurate and the report complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Phosphorus (Total)		
Original Document Signed		
Kelly McKinnon, Plant Manager		