

**2016 Annual Public Reporting for Toxic Substances
Zinc and its Compounds**

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
Facility street/ mailing address	Brockville Lubricants Plant 250 Laurier Blvd. Brockville, Ontario K6V 5V7
Name, position, telephone no. of facility public contact	Stephen Doolan Downstream Communication Manager 403-691-3143 400 4th Avenue Southwest, Calgary, Alberta T2P 2H5
No. of full-time employee equivalent	73
2, 4, and 6 digit NAICS Codes	31-33 Manufacturing 3241 Petroleum and coal product manufacturing 324190 Other petroleum and coal product manufacturing
UTM spatial coordinates with NAD83 datum	18T 445136 Easting 18T 4941437 Northing
Legal name of Canadian parent company	Shell Canada
Street and mailing address of parent company	400 4th Avenue Southwest, Calgary, Alberta T2P 4V8
Percentage ownership of facility	100

Toxic Substance Plan Information

Name and CAS numbers of toxic substance for this report	Zinc and its compounds, NA-14
Name and CAS numbers of other substances created or used at facility	Phosphorus (Total), NA-22
Date of most recent plan	November 22, 2012
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 zinc used by assessing material or feedstock substitution, product design or reformulation, equipment or process modification, spill and leak prevention, on-site reuse or recycling, improved inventory management or purchasing techniques, and training or improved operating procedures. The actual usage of zinc 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	No additional steps were taken in 2016

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Summarize the effectiveness of the steps taken during the reporting period	No additional steps were taken in 2016
Review implementation progress and timelines set out in the plan	Shell Canada is investigating potential methods to reduce the amount of off-site recycling as part of its continuous improvement programs.
Summarize actions taken in this reporting year that were additional to the steps described in the plan	Any reduction actions taken in 2016 outside of the plan were offset by product formulations and sales volumes of blends with higher concentrations of zinc.

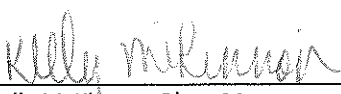
Annual Reporting Metrics

Zinc and its Compounds	Used & Product, tonne			On-site Releases, tonne			Disposals, tonne		Off-Site Recycled, tonne
	Used	Created	In Product	Air	Land	Water	On-Site	Off-Site	
Previous Year	85.559	0	85.470	0.001	0	0	0	0.000	0.091
Current Year	100.950	0	100.630	0.001	0	0	0	0.000	0.319
Difference	15.391	0	15.160	0.000	0	0	0	0.000	0.228
Percent Difference	18%	0%	18%	0%	0%	0%	0%	0%	251%
Reductions in plan	0	0	0	0	0	0	0	0	0
Reductions outside plan	0	0	0	0	0	0	0	0	0
Total Reductions	0	0	0	0	0	0	0	0	0
Percent Reductions	0%	0%	0%	0%	0%	0%	0%	0%	0%
Rationale for changes	<p>Additives containing zinc are used in motor oil products because of anti-wear properties that can improve fuel efficiency and are demanded in new vehicle manufacturing. An increased volume of new products containing higher levels of zinc were manufactured by the facility in 2016.</p> <p>Newly issued product safety and data sheets became available, and provided improved information regarding zinc content in additives.</p> <p>Additional off-site recycling of materials was required due to on-site maintenance and cleaning activities.</p>								

Certification

As of June 1, 2017, 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.

Zinc and its Compounds


 Kelly McKinnon, Plant Manager