

NOVOZYMES CANADA LIMITED

OTTAWA, ONTARIO

**PUBLIC REPORTING UNDER O.REG. 455/09
AS REQUIRED UNDER TOXICS REDUCTION ACT**
August 13, 2019

FACILITY INFORMATION

Company Name & Address: Novozymes Canada
 300 Hunt Club Rd.
 Ottawa, Ontario
 K1V 1C1

National Pollutant Release Inventory Identification Number: 27957

Number of Employees: 49

NAICS: 325999

TRA ACCOUNTING

For comparison purposes, the following tables provide a summary of the 2017 and 2018 TRA accounting values.

Ammonia (total), CAS RN NA – 16

Reporting Year	2018	2017	Change	% Change
Use	>100 to 1000	>100 to 1000	-22.2	-16.77
Creation (tonnes)	0	0	0	0
Contained in Product (tonnes)	0	0	0	0
Releases to Air (tonnes)	0.243	0.229	0.014	6.11
Off-Site Disposal (tonnes)	8.14	20.04	-11.89	-59.36
Off-Site Transfers for Disposal (tonnes)	12.4	23.90	-11.50	-48.12

Phosphorous (total), CAS RN NA – 22

Reporting Year	2018	2017	Change	% Change
Use	>10 to 100	>10 to 100	31.2	59.77
Creation (tonnes)	0	0	0	0
Contained in Product (tonnes)	>10 to 100	>10 to 100	54.85	430.20
Releases to Air (tonnes)	0	0	0	0
Off-Site Disposal (tonnes)	12.02	31.21	-19.18	-61.47
Off-Site Transfers for Disposal (tonnes)	3.77	8.29	-4.52	-54.52

TRA PLAN OBJECTIVES FOR AMMONIA (TOTAL) AND PHOSPHORUS (TOTAL)

Novozymes will strive to minimize waste through process simplification improvements in its spill and leak protection plan and workplace safety programs. However, Novozymes has not set objectives for reducing the use of these substances.

CERTIFICATION

As of August 13, 2019, I, Christopher Judge, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to above and am familiar with its contents, and to my knowledge the information contained in the reports is factually accurate and the reports complies with the *Toxics Reduction Act*, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Signed August 13th, 2019. Original signature is on file at the facility.



Christopher Judge, Head of Operations
 Novozymes Canada Limited
 613 670 8779