Brenntag Canada Inc.
Operating at Cornwall, Ontario

June 30, 2015
Prepared : September 18, 2015

Brenntag Canada Inc.
730 Seventh St W
Cornwall, Ontario
K6J 4N9

Public disclosure under the Toxic Reduction Act, Toxic Reduction Regulations, S. 23(2).

This summary accurately reflects the current version of the plan.

This summary covers the following substances for which a plan has been prepared at the facility :

Ammonia, Anhydrous	**TRA #**	**NA-16**
Chlorine, Anhydrous	**CAS#**	**7782-50-5**
Sulphuric Acid	**CAS#**	**7663-93-9**
Nitric Acid	**CAS#**	**7697-37-2**
Phosphorous, Total	**TRA #**	**NA-22**
Hydrochloric Acid	**CAS#**	**7647-01-0**

Cordially,

Gregory T. Brown
Regulatory Affairs Manager

Brenntag Canada Inc.
43 Jutland Road
Toronto, Ontario
M8Z 2G6
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OW06 - Facility information, contacts, dates, and plan information.	
Report Date	**June 30, 2015**
Plan Date	December 21, 2013.
Plan Objectives and Targets	To provide a high quality product to our customers while minimizing the emissions to the natural environment. If the product cannot be kept within the process as a saleable product, whenever possible, Brenntag will capture emissions and use them for another saleable product rather than allow the emissions to be exhausted to the natural environment. To continue monitoring all opportunities to reduce toxics use and reduce emissions where economically feasible.
Facility Identification and Site Address: **Company Name** **Facility Name**	**Brenntag Canada Inc.** **Brenntag Canada Inc., Cornwall Plant (OW06)**
Facility Address - Physical and mailing.	**Physical Address:** 730 Seventh W Cornwall, Ontario K6J 4N9
Spatial Coordinates of Facility	Zone : 18 Easting : 520012 Northing : 4985148
Number of Employees	25
NPRI ID **Ontario MOE ID Number**	5772 ON 1758700
Parent Company (PC) Information: **PC Name & Address**	Brenntag Canada Inc. 43 Jutland Road Toronto, Ontario M8Z 2G6
Percent Ownership for each PC	100 %
Business Number for PC **Federal -** **Provincial -**	121575690 922727 (Ontario)
(NAICS): **2 Digit NAICS Code** **4 Digit NAICS Code** **6 Digit NAICS Code**	32 - Manufacturing 3251 - Basic Chemical Manufacturing 325189 - All Other Basic Inorganic Chemical Manufacturing
Contact Information: **Facility Public Contact**	**Mr. Brain MacDonald** Facility Manager bmacdonald@brenntag.ca 730 Seventh W Phone: 613-937-4004, ext. 224 Cornwall, Ontario Fax: 613-937-4132 K6J 4N9
Parent Company Contact	**Mr. Lou Baldaia** **Director, Logistics & Operations** **lbaldaia@brenntag.ca** 43 Jutland Road Phone: 416-259-8231, ext. 400281 Toronto, Ontario Fax: 416-503-6876 M8Z 2G6 Ownership 100 percent
Certification by highest ranking employee (copy for public record)	As of August 28, 2015, I, Brian MacDonald, certify that I have read the report on the toxic substance reduction plan for the toxic substances 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 O. Reg. 455/09 (General) made under the Act. Ammonia, Total, Phosphorous, Total Chlorine Nitric Acid Hydrochloric Acid Sulphuric Acid _____ Brian MacDonald, Site Manager Brenntag Canada at Cornwall, Ontario
Amendments made to the plan	None.
Public Report Prepared By :	G. T. Brown Regulatory Affairs Manager Brenntag Canada Inc.
Public Report Prepared :	June 30, 2015
Brenntag Canada Public Internet Site :	http://www.brenntag.ca/en/

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This section applies to the following substances...

Ammonia - NA-16
Chlorine - CAS# 7782-50-5
Nitric Acid - CAS# 7697-37-2
Phosphorous Total - NA-22
Hydrochloric Acid - CAS# 7647-01-0
Sulphuric Acid - CAS# 7664-93-9

Description of the steps taken during the reporting period towards achieving the objectives of the plan	**Materials and Feedstock Substitution :** This toxic substance is the required raw material. **Product Design / Reformulation :** This toxic substance, and it's dilutions, are the commercially required products. **Equipment / Process Modifications :** Redesign or implementing new equipment to change vapour handling is feasible, but not always economically viable. Sulphuric, Nitric and Phosphoric Acids each have very low vapour pressures and investing in vapour managment equipment is not efficacious. In the case of ammoia and chlorine, vaopurs are captured and neutralized and wherever possible rerouted back to production. **Spill and Leak Prevention :** Leak or release avoidance is mission critical for the facility. Leaks are fixed immediately upon being identified. Ammonia vapours are detected by monitors which provide an emergency alert when concentrations exceed the lower setting. Upon notification, leaks are immediately traced and repaired. Material released by a leak is captured in the facility exhaust system which is directed throught the scrubber system, and the vapours are thereby neutralized. **On-Site Reuse / Recycling :** To every extent possible, captured vapours are recycled and reused back into commercialy viable product. **Improved Inventory Management / Purchasing Techniques :** On site quantities of product are held to the amount required to serve the market demand. **Training / Improved Operating Practices :** Brenntag already has well documented and clear operating practices which have been developed over the last few years to minimize mistakes and losses. Brenntag was not able to identify any further improvements that could be made outside of the options explored above.
Assessment of the effectiveness of the steps described	**Materials and Feedstock Substitution :** Substitution is not feasible. **Product Design / Reformulation :** This product is the one that is required to serve the intended markets. **Equipment / Process Modifications :** No economically feasible changes to equipment are foreseeable at this time. **Spill and Leak Prevention :** Leaks and releases are repaired immediately upon discovery. **On-Site Reuse / Recycling :** Not seen as feasible - current practice captures and reuses the product. **Improved Inventory Management / Purchasing Techniques :** No foreseeable improvements in inventory management can be seen at this time. **Training / Improved Operating Practices :** No foreseeable Improvements can be made in training towards the objective of reducing use of the subject substance.
Description of any amendments to the plan in the reporting period	None

Quantities & Comparisons

Ammonia, Total NA-16	Used (Tonnes / Year)	Created (Tonnes / Year)	Contained in product (Tonnes / Year)	On Site Releases (Tonnes / Year)			Disposal (Tonnes / Year)		Off Site recycling (Tonnes / Year)
				Air	Water	Land	On-Site	Off-Site	
2013	>100 to 1,000	0	>100 to 1,000	0	0	0	0	>1 to 10	0
2014	>100 to 1,000	0	>100 to 1,000	0	0	0	0	>1 to 10	0
Reduction / Increase	-150	0	-104	0	0	0	0	0.012	0
% Difference	-38%	0%	-29%	0%	0%	0%	0%	6.60%	0%

Chlorine CAS# 7782-50-5	Used (Tonnes / Year)	Created (Tonnes / Year)	Contained in product (Tonnes / Year)	On Site Releases (Tonnes / Year)			Disposal (Tonnes / Year)		Off Site recycling (Tonnes / Year)
				Air	Water	Land	On-Site	Off-Site	
2013	>1,000 to 10,000	0	>1,000 to 10,000	0	0	0	0	0	0
2014	>1,000 to 10,000	0	>1,000 to 10,000	0	0	0	0	0	0
Reduction / Increase	-835	0	-1316	0	0	0	0	0	0
% Difference	-11%	0%	-17%	0%	0%	0%	0%	0.00%	0%

Nitric Acid CAS# 7697-37-2	Used (Tonnes / Year)	Created (Tonnes / Year)	Contained in product (Tonnes / Year)	On Site Releases (Tonnes / Year)			Disposal (Tonnes / Year)		Off Site recycling (Tonnes / Year)
				Air	Water	Land	On-Site	Off-Site	
2013	>100 to 1,000	0	>100 to 1,000	0	0	0	0	>0 to 1	0
2014	>100 to 1,000	0	>100 to 1,000	0	0	0	0	>0 to 1	0
Reduction / Increase	41	0	41	0	0	0	0	0.037	0
% Difference	19%	0%	19%	0%	0%	0%	0%	1.60%	0%

OW06 - Facility information, contacts, dates, and plan information.

Phosphorous, Total	Used	Created	Contained in product	On Site Releases			Disposal		Off Site recycling
	(Tonnes / Year)			(Tonnes / Year)			(Tonnes / Year)		(Tonnes / Year)
				Air	Water	Land	On-Site	Off-Site	
2013	>100 to 1,000	0	>100 to 1,000	0	0	0	0	>0 to 1	0
2014	>100 to 1,000	0	>100 to 1,000	0	0	0	0	>0 to 1	0
Reduction / Increase	603	0	776	0	0	0	0	0.007	0
% Difference	223%	0%	368%	0%	0%	0%	0%	70.00%	0%

Hydrochloric Acid CAS# 7647-01-0	Used	Created	Contained in product	On Site Releases			Disposal		Off Site recycling
	(Tonnes / Year)			(Tonnes / Year)			(Tonnes / Year)		(Tonnes / Year)
				Air	Water	Land	On-Site	Off-Site	
2013	>100 to 1,000	0	>100 to 1,000	0	0	0	0	0	0
2014	>100 to 1,000	0	>100 to 1,000	0	0	0	0	0	0
Reduction / Increase	108	0	120	0	0	0	0	0	0
% Difference	25%	0%	28%	0%	0%	0%	0%	0.00%	0%

Sulphuric Acid CAS# 7664-93-9	Used	Created	Contained in product	On Site Releases			Disposal		Off Site recycling
	(Tonnes / Year)			(Tonnes / Year)			(Tonnes / Year)		(Tonnes / Year)
				Air	Water	Land	On-Site	Off-Site	
2013	>100 to 1,000	0	>100 to 1,000	0	0	0	0	0	0
2014	>100 to 1,000	0	>100 to 1,000	0	0	0	0	0	0
Reduction / Increase	308	0	343	0	0	0	0	0	0
% Difference	57%	0%	69%	0%	0%	0%	0%	0.00%	0%

Facility-wide reduction in the use, creation and discharges to air, land or water, and amount contained in product of the substance at the facility during the previous calendar year that resulted from implementation of each reduction option, if options were implemented.	Nil
Year-over-year comparison of the above between the reporting year's totals and the previous year's, including a rationale for any change in quantifications showing amount in units and as a percentage.	Overall quantity of ammonia processed at the facility in 2014 decreased relative to 2013. This was due to changes in market demand.
Review of implementation progress (review of steps and timelines).	No steps have been implemented.
Review of additional reduction actions beyond those in the plan and quantification of reductions from these actions.	No additional reduction actions have been taken.
Licence number of party who prepared the plan.	TSRP 0156

End of Report.