

# Appendix B

# TRA Plan Summary – Phosphorus Atlantic Packaging Products Ltd

## Basic Facility Information

<b>Name &amp; CAS # of Substance</b>	Phosphorus	NA-22
<b>Facility Identification and Site Address</b>		
<b>Company Name</b>	Atlantic Packaging Products Ltd.	
<b>Facility Name</b>	1900 Thickson Road Facility	
<b>Facility Address</b>	1900 Thickson Road South, Scarborough, Ontario	
<b>Spatial Coordination of Facility (UTM Coordinates)</b>	668345.37 m E 4858615.29 m N	
<b>Number of Employees</b>	97	
<b>NPRI ID</b>	125	
<b>Ontario MOE ID Number</b>		
<b>Parent Company (PC) Information</b>		
<b>PC Name</b>	Not Applicable	
<b>PC Address</b>		
<b>Percent Ownership for PC</b>		
<b>Primary North American Industrial Classification System Code (NAICS)</b>		
<b>2 Digit NAICS Code</b>	32 – Manufacturing	
<b>4 Digit NAICS Code</b>	3221 – Pulp, Paper and Paperboard Mills	
<b>6 Digit NAICS Code</b>	322121 – Paper (Except Newsprint) Mills	
<b>Company Contact Information</b>		
<b>Facility Public Contact</b>	Fatima Correia, Environmental Manager	
	fatima_correia@atlantic.ca	
	Phone: (416) 298-5431	
	Fax: (416) 297-2292	
<b>Facility Technical Contact</b>	Fatima Correia, Environmental Manager	
	fatima_correia@atlantic.ca	
	Phone: (416) 298-5431	
	Fax: (416) 297-2292	
<b>Company Coordinator Contact</b>	Fatima Correia, Environmental Manager	
	fatima_correia@atlantic.ca	
	Phone: (416) 298-5431	
	Fax: (416) 297-2292	
<b>Person who Prepared the Plan (if different from the Coordinator)</b>	Gavin Moore	
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<b>Highest Ranking Employee</b>	Mike Filipovic, Mill Manager
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<b>Planner Information:</b>	
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***Toxic Reduction Policy Statement of Intent***

The Atlantic Packaging Products Ltd. (Atlantic Packaging) 1900 Thickson Road facility (Facility) is currently using phosphorus as a nutrient source for the microorganisms in the effluent treatment plant. After consideration of all reduction options it has been determined that the Facility is not currently capable of reducing the use of phosphorus as it is an essential nutrient required for the processes to perform successfully. Atlantic Packaging does not create phosphorus; therefore this plan will not address reducing its creation.

***Reduction Objectives***

Atlantic Packaging operates a linerboard mill facility which includes effluent treatment operations in an environmentally responsible manner. Atlantic Packaging is committed to protect the environment through continual improvement of its manufacturing processes and the prevention of pollution. The objective for this Facility is to reduce the usage of phosphorus through the implementation of viable options, if any. This plan will determine the technical and economic feasibility of various reduction options, and identify if any is viable for implementation.

***Description of Facility***

The Atlantic Packaging Facility is a linerboard manufacturing mill. The products are manufactured from recycled paper and cardboard.

The main processes for the linerboard manufacturing consists of receiving the raw materials which includes old corrugated cardboard (OCC) and various chemicals. The OCC enters the Paper Processing and Pulp Preparation Process, where the pulp is created, and impurities such as unsuitable particles for linerboard formation are removed. Once the pulp has been cleaned, it enters the Paper Manufacturing Process where the pulp is transformed into a layer of wet paper that gets dried through a series of processes. The final paper product is temporarily stored and shipped to clients via truck.

At the Effluent Treatment Plant, the water is treated before discharge to the Corbett Creek Water Pollution Control Centre (municipal treatment plant); thus it is treated to remove both solids and BOD to the permitted levels of the municipal treatment plant. The collected water leaving the Paper Manufacturing Process proceeds to the Treatment Stage; it is here that the nutrient (Phosphorus Acid solution) is added to the process to ensure the health of the microorganisms in the Treatment Process. Most of the phosphorus is consumed (i.e. destroyed) during the aerobic metabolic activity of the microorganisms. Any residual or unused nutrients are discharged with the treated water to the municipal treatment plant. The Facility's North American Industrial Classification Service (NAICS) Code is 322121 – "Paper (Except Newsprint) Mills."

***Toxic Substance Reduction Options to Be Implemented***

There were no options identified that can be implemented by Atlantic Packaging to reduce the use or discharge of Phosphorus.

***Plan Summary Statement***

This plan summary accurately reflects the content of the toxic substance reduction plan for Phosphorus.

***Certification by Highest Ranking Employee***

Attached.

***Certification by Licensed Planner***

Attached.

## 8. Plan Certifications

### Certification By Highest Ranking Employee

As of December 14, 2015, I, Mike Filipovic, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

[Phosphorus]

[Ammonia]



Mike Filipovic, Mill Manager

DEC 18 / 15  
Date

Atlantic Packaging Products Ltd.

### Certification By Licensed Planner

As of December 14, 2015, I, Erik Martinez, certify that I am familiar with the processes at Atlantic Packaging that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the *Toxics Reduction Act, 2009* that are set out in the plan dated December 2015 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

[Phosphorus]

[Ammonia]



Erik Martinez, P. Eng.

Dec 21, 2015

Date

Planner License # TSRP0005

GHD Limited