Toxics Reduction Annual Report for Public
2015

Basic Facility Information

Facility Identification and Site Address		
Company Name	Atlantic Packaging Products	
Facility Name	Atlantic Packaging Products	
Facility Address	Physical Address:	Mailing Address: (if different)
	111 Progress Avenue Scarborough, ON M1P 2Y9	Same as physical address
Spatial Coordinates of Facility	Latitude: 43.7718 Longitude: -79.2735 Datum: 1983	
Number of Employees	411	
NPRI ID	5688	
Ontario MOE ID Number	6162	
Parent Company (PC) Information		
PC Name and Address	Atlantic Packaging Products Ltd.	111 Progress Avenue Scarborough, ON M1P 2Y9
Percent Ownership for each PC	100%	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	31-33 - Manufacturing	
4 Digit NAICS Code	3221 - Pulp, Paper & Paperboard Mills	
6 Digit NAICS Code	322130 - Paperboard Mills	
Company Contac Information		
Facility Public Contact	Fatima Correia	*Contact Address if different from Facility Address*
	Environmental Manager	Same address as facility
	fatima_correia@atlantic.ca	
	Phone: (416) 298-5431	
	Fax: (416) 297-2292	

Toxic Substances at the Facility

Chemicals are needed throughout the processes to improve product properties, and aid in the manufacturing of the paperboard. Some components of the chemicals used are listed as toxic substances. In addition, fuel combustion, incineration, and welding processes create toxic substances. The toxic substances used, created, contained in product, released, disposed and transferred during the 2015 period are listed below.

CAS Number	Substance	Source of Substance
NA - 16	Ammonia (total)	Effluent nutrient use
630-08-0	Carbon monoxide	Combustion product, incineration product
11104-93-1	Oxides of nitrogen (expressed as NO2)	Combustion product, incineration product
NA – M10	PM2.5	Combustion product, incineration product, welding
NA – M09	PM10	Combustion product, incineration product, welding
118-74-1	Hexachlorobenzene	Incineration product
	Dioxins and Furans	Incineration product

Summary of Tracking and Quantification

Each toxic substance is presented in a different process of the operations. Most of them being created through fuel combustion, sludge incineration, and welding. However, some are used as part of chemicals added to improve the product or process. Some toxic substances are being destroyed on the aeration process of the effluent treatment plant, and some are transformed into combustion gases on the incineration process. Off-site disposal refers to the toxic substances transferred to landfill applications, when the incineration process is not available. Off-site treatment consists on disposing water into the sanitary sewer, because the water will be further treated on the municipal wastewater treatment plant.

Table 1. Ammonia (Total)

	2014	2015	Change (tonnes)	Change (%)	Rationale for change (>10%)
Used (tonnes/yr)	>10 to 100	>10 to 100	1.75	5%	No Significant Change (<10%) or No Change
Created (tonnes/yr)	-	-	-	-	n/a
Contained in Product (tonnes/yr)	-	-	-	-	n/a
On-Site Release to Air (tonnes/yr)	>0 to 1	>0 to 1	0.000	-2%	No Significant Change (<10%) or No Change
Offsite Disposal (tonnes/yr)	-	-	-	-	n/a
Offsite Treatment (tonnes/yr)	>1 to 10	>0 to 1	0.17	3%	No Significant Change (<10%) or No Change

Table 2. Carbon Monoxide

	2014	2015	Change (tonnes)	Change (%)	Rationale for change (>10%)
Used (tonnes/yr)	-	-	-	-	n/a
Created (tonnes/yr)	>10 to 100	>10 to 100	0.86	3%	No Significant Change (<10%) or No Change
Contained in Product (tonnes/yr)	-	-	-	-	n/a
On-Site Release to Air (tonnes/yr)	>10 to 100	>10 to 100	0.86	3%	No Significant Change (<10%) or No Change
Offsite Disposal (tonnes/yr)	-	-	-	-	n/a
Offsite Treatment (tonnes/yr)	-	-	-	-	n/a

Table 3. Nitrogen Oxides (as NO2)

	2014	2015	Change (tonnes)	Change (%)	Rationale for change (>10%)
Used (tonnes/yr)	-	-	-	-	n/a
Created (tonnes/yr)	>10 to 100	>10 to 100	-7.60	-13%	Lower operation of the fluidized burning bed
Contained in Product (tonnes/yr)	-	-	-	-	n/a

On-Site Release to Air (tonnes/yr)	>10 to 100	>10 to 100	-7.60	-13%	Lower operation of the fluidized burning bed
Offsite Disposal (tonnes/yr)	-	-	-	-	n/a
Offsite Treatment (tonnes/yr)	-	-	-	-	n/a

Table 4. PM2.5 (<=2.5 microns)

	2014	2015	Change (tonnes)	Change (%)	Rationale for change (>10%)
Used (tonnes/yr)	-	-	-	-	n/a
Created (tonnes/yr)	>0 to 1	>0 to 1	-0.04	-5%	No Significant Change (<10%) or No Change
Contained in Product (tonnes/yr)	-	-	-	-	n/a
On-Site Release to Air (tonnes/yr)	>0 to 1	>0 to 1	-0.04	-5%	No Significant Change (<10%) or No Change
Offsite Disposal (tonnes/yr)	-	-	-	-	n/a
Offsite Treatment (tonnes/yr)	-	-	-	-	n/a

Table 5. PM10 (<=10 microns)

	2014	2015	Change (tonnes)	Change (%)	Rationale for change (>10%)
Used (tonnes/yr)	-	-	-	-	n/a
Created (tonnes/yr)	>0 to 1	>0 to 1	-0.04	-5%	No Significant Change (<10%) or No Change
Contained in Product (tonnes/yr)	-	-	-	-	n/a
On-Site Release to Air (tonnes/yr)	>0 to 1	>0 to 1	-0.05	-5%	No Significant Change (<10%) or No Change
Offsite Disposal (tonnes/yr)	-	-	-	-	n/a
Offsite Treatment (tonnes/yr)	-	-	-	-	n/a

Table 6. Hexachlorobenzene

	2014	2015	Change (tonnes)	Change (%)	Rationale for change (>10%)
Used (grams/yr)	-	-	-	-	n/a
Created (grams/yr)	>0 to 1	>0 to 1	-1.03	-57%	Lower operation of the fluidized burning bed
Contained in Product (grams/yr)	-	-	-	-	n/a
On-Site Release to Air (grams/yr)	>0 to 1	>0 to 1	-1.03	-57%	Lower operation of the fluidized burning bed
Offsite Disposal (grams/yr)	-	-	-	-	n/a
Offsite Treatment (grams/yr)	-	-	-	-	n/a

Table 7. Dioxins and Furans

	2014	2015	Change (tonnes)	Change (%)	Rationale for change (>10%)
Used (tonnes/yr)	-	-	-	-	n/a
Created (tonnes/yr)	>0 to 1	>0 to 1	-0.02	-83%	Lower operation of the fluidized burning bed
Contained in Product (tonnes/yr)	-	-	-	-	n/a
On-Site Release to Air (tonnes/yr)	>0 to 1	>0 to 1	-0.02	-79%	Lower operation of the fluidized burning bed
Offsite Disposal (tonnes/yr)	-	-	-	-	n/a
Offsite Treatment (tonnes/yr)	-	-	-	-	n/a

Toxic Reduction Plan Summary

As described in the Toxic Substance Reduction Plan Summaries dated December 13, 2013 there were no options identified for implementation, beyond the actions Atlantic Packaging has already taken, for reduction of the substances: Phosphorus (Total), Carbon monoxide, Nitrogen Oxides, Sulphur dioxide, PM2.5, PM10, hexachlorobenzene, dioxins and furans.

For the substance Ammonia (Total), Atlantic Packaging had decided to implement the Ammonia solution substitution, to reduce the use of ammonia without theoretical negative impacts on the operation. A trial plan was developed and an approved vendor was contacted to supply the chemical. The trial has been postponed due to the risk of endangering the aerobic reactor. Since the wastewater treatment plant is always in operation a setback due to the trial will impact the mill operation. The timetable for the implementation has been delayed.

Attachment 1: Copy of Electronic Certification

Report Submission and Electronic Certification

NPRI - Electronic Statement of Certification

Specify the language of correspondence

English

Comments (optional)

I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The amounts and values for the facility(ies) identified below are accurate, based on reasonable estimates using available data. The data for the facility(ies) that I represent are hereby submitted to the programs identified below using the Single Window Reporting Application.
I also acknowledge that the data will be made public.
Note: Only the person identified as the Certifying Official or the authorized delegate should submit the report(s) identified below.

Company Name

Atlantic Packaging Products Ltd.

Certifying Official (or authorized delegate)

Eduardo Ramirez

Report Submitted by

Fatima Correia

I, the Certifying Official or authorized delegate, agree with the statements above and acknowledge that by pressing the "Submit Report(s)" button, I am electronically certifying and submitting the facility report(s) for the identified company to its affiliated programs.

ON MOE TRA - Electronic Certification Statement

Annual Report Certification Statement

TRA Substance List

CAS RN	Substance Name
NA - 16	Ammonia (total)
11104-93-1	Nitrogen oxides (expressed as NO2)
NA - M09	PM10 - Particulate Matter

NA - M10	PM2.5 - Particulate Matter
630-08-0	Carbon monoxide
118-74-1	Hexachlorobenzene
NA - D/F	Dioxins and furans - total

Company Name

Atlantic Packaging Products Ltd.

Highest Ranking Employee

Eduardo Ramirez

Report Submitted by

Fatima Correia

Website address

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.

Submitted Report

Period	Submission Date	Facility Name	Province	City	Programs
2015	01/06/2016	111 Progress	Ontario	Scarborough	NPRI,ON MOE TRA

Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, if operations at the facility are terminated, or if information submitted for any previous year was mistaken or inaccurate, please update this information through SWIM or by contacting the National Pollutant Release Inventory directly.