

**Toxics Reduction Annual Report for Public
2015**

Basic Facility Information

Facility Identification and Site Address		
Company Name	Atlantic Packaging Products	
Facility Name	New Forest Paper Mills LP	
Facility Address	Physical Address:	Mailing Address: (if different)
	333 Progress Avenue Scarborough, ON M1P 2Z7	Same as physical address
Spatial Coordinates of Facility	Latitude: 43.7749 Longitude: -79.2648 Datum: 1983	
Number of Employees	126	
NPRI ID	11601	
Ontario MOE ID Number	--	
Parent Company (PC) Information		
PC Name and Address	Atlantic Packaging Products Ltd.	111 Progress Avenue Scarborough, ON M1P 2Y9
Percent Ownership for each PC	50%	
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	<i>Contact Address if different from Facility Address</i>
	Environmental Manager	111 Progress Avenue Scarborough, ON M1P 2Y9
	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, cooling towers, 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
630-08-0	Carbon monoxide	Combustion product
11104-93-1	Nitrogen Oxides (expressed as NO ₂)	Combustion product
NA – M10	PM2.5	Combustion product and welding
NA - M09	PM10	Combustion product, cooling tower and welding
NA - 16	Ammonia (Total)	Effluent nutrient use

Summary of Tracking and Quantification

Toxic substances are presented in different processes of the operations. Most of them are being created through fuel combustion, cooling towers and welding. However, one is also used as part of chemicals added to improve the wastewater treatment process. Off-site disposal refers to the toxic substances transferred to landfill applications. 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	5.72	27%	New biocide for odour control (ammonia based)
Created (tonnes/yr)	-	-	-	-	n/a
Contained in Product (tonnes/yr)	-	-	-	-	n/a
On-Site Release to Air (tonnes/yr)	-	-	-	-	n/a
Offsite Disposal (tonnes/yr)	-	-	-	-	n/a
Offsite Treatment (tonnes/yr)	>1 to 10	>1 to 10	1.31	31%	New biocide for odour control (ammonia based)

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	-1.90	-5%	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	-1.90	-5%	No Significant Change (<10%) or No Change
Offsite Disposal (tonnes/yr)	-	-	-	-	n/a
Offsite Treatment (tonnes/yr)	-	-	-	-	n/a

Table 3. Nitrogen Oxides

	2014	2015	Change (tonnes)	Change (%)	Rationale for change (>10%)
Used (tonnes/yr)	-	-	-	-	n/a
Created (tonnes/yr)	>10 to 100	>10 to 100	-3.53	-7%	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	-3.53	-7%	No Significant Change (<10%) or No Change
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)	>1 to 10	>0 to 1	-0.12	-12%	Decrease in production levels
Contained in Product (tonnes/yr)	-	-	-	-	n/a
On-Site Release to Air (tonnes/yr)	>1 to 10	>0 to 1	-0.12	-12%	Decrease in production levels
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)	>1 to 10	>1 to 10	-0.20	-15%	Decrease in production levels
Contained in Product (tonnes/yr)	-	-	-	-	n/a
On-Site Release to Air (tonnes/yr)	>1 to 10	>1 to 10	-0.20	-15%	Decrease in production levels
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 23, 2013 there were no options identified for implementation, beyond the actions Atlantic Packaging has already taken, for reduction of the substances: Ammonia (Total), PM2.5 and PM10.

For the substances Carbon Monoxide and Nitrogen Oxides, Atlantic Packaging decided to implement the equipment modification option by upgrading the desulfurization reactor. The new instrumentation and secondary equipment installation was completed. The new system was commissioned during June 2014 and operational parameters were optimized. The changes allow the system to be able to treat higher amounts of biogas which is then burned in the boilers. However, the amount of biogas created is based on the amount of wastewater generated and treated. Decrease in production levels during 2015 showed a decrease in biogas production.

Report Submission and Electronic Certification

NPRI - Electronic Statement of Certification

Specify the language of correspondence

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

Certifying Official (or authorized delegate)

Report Submitted by

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 - M09

PM10 - Particulate Matter

NA - M10

PM2.5 - Particulate Matter

Company Name

New Forest Paper Mills LP

Highest Ranking Employee

Ed Stapleton

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	New Forest Paper Mills LP	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.