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**2015-2016 TRA Phase II Annual Comparison – Niagara Energy Products**  
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The Toxic Reduction Plan for Niagara Energy Products (NEP) was prepared in August 2014 for particulate matter (PM<sub>10</sub>) over the 2013 production year. As part of the overall plan, two technically and economically feasible reduction options were identified, to be implemented over the following four years.

**Implementation Schedule of Reduction Options**

Category 3 of the TRA plan describes reduction options involving equipment or process modifications. The details of the Category 3 reduction options are represented in the table below.

**Category 3 – Equipment or Process Modifications; Time Table for Implementation**

Step	Description	Estimated Timeline	Estimated Reduction in Air Release (MT/yr)
1	Upgrading Emission Control Equipment	2-4 years	0.72
2	Acquiring Electrostatic Spray guns	1-2 years	0.02

**Toxic Substance Reduction Options to be implemented**

Implementation of the aforementioned options is expensive and therefore it is beneficial to implement them in stages. In April, 2016, NEP completed the final upgrades on emission control equipment, meeting its deadline (Step 1).

Due to the expense of acquiring Electrostatic Spray guns (Step 2), this goal has been reevaluated and deemed impractical for NEP; however, reduction targets have still been met.

**Yearly Comparison for PM<sub>10</sub>**

The following table details the yearly creation and air emissions of PM<sub>10</sub> in 2016 in comparison with the previous years.

<b>PM<sub>10</sub></b>	<b>2015 (tonnes/year)</b>	<b>2016 (tonnes/year)</b>	<b>Reduction (tonnes/year)</b>
Created	2.23	2.74	<b>-0.51</b>
Air Release	0.405	0.446	<b>-0.041</b>

While emission reduction targets have been met, there was a small increase in PM<sub>10</sub> creation and air release in 2016 as mass balance calculations were improved for more accurate reporting. NEP will continue to strive toward emissions reductions and management, producing environmentally sustainable products.