NORAMPAC TRENTON,
A DIVISION OF CASCADES CANADA UCL

TOXIC REDUCTION PLAN
ANNUAL REPORT 2015

Cascades Inc., Environment
471, Marie-Victorin
Kingsey Falls (Quebec) J0A 1B0
Tel.: (819) 363-5750
Fax: (819) 363-5766

September 2nd, 2016
1) Contact information

MILL INFORMATION

Norampac Trenton
300 Marmora Street, P.O. Box 807
Trenton, Ontario, K8V 5R8
Phone number: (613) 392-6505
Fax number: (613) 392-3026

Technical Information

Bourassa, Carolyne
Project Advisor (Environment)
471, Boulevard Marie-Victorin
Kingsley Falls, Québec, J0A 1B0
Email: carolyne_bourassa@cascades.com
Phone number: (819) 363-5707
Fax number: (819) 363-5766

2) SITE DESCRIPTION

The Norampac Trenton Site manufactures the paper that forms the fluted inner portion of corrugated cardboard. This material, referred to as corrugating medium, is manufactured from a blend of sodium carbonate semi-chemical hardwood pulp, and pulp made from recycled materials. The recycled materials include fibres that are recovered from old corrugated containers and corrugated clippings (box plant scrap and trimmings) (Note that old container stock is referred to by facility personnel as “OCC”). The raw materials for the process, including wood logs, wood chips, and bailed recycled materials, are delivered by truck to the facility. These materials are stored in an on-site outdoor yard, adjacent to the plant.

NPRI Identification number: 239
Facility’s Identification number under Regulation 127: 6443
Number of Hour worked by Employees: 270,400 hours (130 employees)
NAICS code: 322121
Spatial coordinates NAD83: latitude 44.11140
longitude 77.56780
### 3) TRACKING AND QUANTIFICATION OF TOXICS

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Unit</th>
<th>Production</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>Reduction</th>
<th>Comments</th>
<th>Reduce option chosen</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Unit number</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MT</td>
<td>Created</td>
<td>110</td>
<td>115</td>
<td>120</td>
<td>135</td>
<td>25</td>
<td>+23%</td>
<td>Based on production level</td>
<td>No option chosen</td>
</tr>
<tr>
<td>Iodine</td>
<td>MT</td>
<td>Released</td>
<td>110</td>
<td>115</td>
<td>120</td>
<td>135</td>
<td>25</td>
<td>+23%</td>
<td>Based on production level</td>
<td>No option chosen</td>
</tr>
<tr>
<td>Methanethiol</td>
<td>NA-M46</td>
<td>MT</td>
<td>Created</td>
<td>82</td>
<td>79</td>
<td>74</td>
<td>74</td>
<td>8</td>
<td>-10%</td>
<td>Based on total consumption</td>
</tr>
<tr>
<td>Ethanol</td>
<td>NA-03</td>
<td>Kg</td>
<td>Released</td>
<td>29</td>
<td>31</td>
<td>35</td>
<td>41</td>
<td>12</td>
<td>+41%</td>
<td>Based on total consumption</td>
</tr>
<tr>
<td>Acetone</td>
<td>87-96-1</td>
<td>MT</td>
<td>Created</td>
<td>89</td>
<td>92</td>
<td>79</td>
<td>90</td>
<td>1</td>
<td>0%</td>
<td>No significant changes</td>
</tr>
<tr>
<td>Benzene</td>
<td>71-43-2</td>
<td>Kg</td>
<td>Created</td>
<td>5</td>
<td>6</td>
<td>4</td>
<td>6</td>
<td>0</td>
<td>0%</td>
<td>No significant changes</td>
</tr>
<tr>
<td>Lead compounds</td>
<td>NA-22</td>
<td>MT</td>
<td>Created</td>
<td>10</td>
<td>11</td>
<td>8</td>
<td>5</td>
<td>5</td>
<td>-50%</td>
<td>Based on load consumption</td>
</tr>
<tr>
<td>Ozone</td>
<td>11048-16-1</td>
<td>MT</td>
<td>Created</td>
<td>138</td>
<td>139</td>
<td>97</td>
<td>122</td>
<td>11</td>
<td>-8%</td>
<td>Based on fuel burned</td>
</tr>
<tr>
<td>Carbon monoxide</td>
<td>630-08-0</td>
<td>MT</td>
<td>Created</td>
<td>120</td>
<td>132</td>
<td>112</td>
<td>98</td>
<td>32</td>
<td>-27%</td>
<td>Based on fuel burned</td>
</tr>
<tr>
<td>Particulate matter (PM10)</td>
<td>NA-M10</td>
<td>MT</td>
<td>Created</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>7</td>
<td>2</td>
<td>+40%</td>
<td>Based on fuel burned</td>
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<tr>
<td>Nitric acid</td>
<td>7647-37-2</td>
<td>MT</td>
<td>Created</td>
<td>56</td>
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<td>136</td>
<td>65</td>
<td>12</td>
<td>+75%</td>
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</tr>
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<td></td>
<td></td>
<td>Released</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0%</td>
<td>Based on cleaning requirements</td>
<td>No option chosen</td>
</tr>
</tbody>
</table>
SUMMARY OF ACTIONS TAKEN

The toxic reduction plan has outlined the Trenton mill processes and identified their toxic substances. Within the plan, the possible reduction options have been explored and evaluated for feasibility and return on investment. For those which require a technological advancement, they will continue to be monitored and studied.

Norampac Trenton does not intend to reduce its creation of methanol, acetone, ethanol, and benzene because they are naturally contained in the wood used to manufacture corrugating medium. We are committed to ensuring they are manufactured in the most responsible and efficient manner.

Norampac Trenton does not intend to reduce its creation of carbon monoxide, nitrogen oxides, particulate matter less than 10 microns and particulate matter less than 2.5 microns because they are released by required steam production and no option was identified that gives a return of investment. Norampac Trenton decided to install wood-fired boilers to reduce its energy costs and emission of greenhouse gases. We are committed to ensure the boilers are used in the most responsible and efficient manner.

Norampac Trenton does not intend to reduce its creation of cadmium and lead because they are naturally contained in the wood used to manufacture corrugating medium. We are committed to ensure it is manufactured in the most responsible and efficient manner.

Norampac Trenton does not intend to reduce its use of nitric acid because it is not released in the environment but Norampac Trenton is committed to ensuring it is used in the most responsible and efficient manner.

5) AMENDMENT AND CERTIFICATION

No amendment was done

As of September 2, 2016, I Benoît Dionne, certify that I have read the toxic substance reduction plan for the toxic substance listed in the plan 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.

Benoît Dionne
Mill Manager

As of September 2, 2016, I Carolyne Bourassa, certify that I am familiar with the processes at Norampac Trenton, 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 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under the Act.

Carolyne Bourassa
TRA Planner #TSRP0227