NORTHERN PULP
NOVA SCOTIA CORPORATION
A PAPER EXCELLENCE COMPANY

2019 ENVIRONMENTAL OPERATING PLAN

The Environmental Operating Plan (EOP) is a document that identifies the environmental risks (and legal obligations) associated with the day to day operations of our business and specifies the management measures the Mill will implement in order to prevent or minimize the environmental impacts associated with our operations.

WATER & WASTEWATER OBJECTIVES

- Continue to meet all applicable government regulations
- Continue to be in compliance with:
  - Mill Effluent Toxicity
  - Total Suspended Solids
  - Biochemical Oxygen Demand (BOD)
  - Dioxins & Furans
- Design of the Boat Harbour replacement Effluent Treatment System (ETF)
- Obtain permits and/or authorizations from relevant authorities to (i) construct the new ETF; (ii) use water; (iii) discharge water; (iv) discharge to air; (v) use and manage hazardous chemicals
- Plan for Cycle 8 Environmental Effects Monitoring (EEM) requirements
- Continue hydrogeological monitoring at the mill site and newly added test points at the Effluent Treatment System (ETS)
- Identify impacts of ETF and Oxygen Delignification project on water usage
- Design cooling system to allow for recycle of non-contact cooling water

AIR OBJECTIVES

- Meet all applicable government objectives
- Keep Total Reduced Sulphur (TRS) emissions from the recovery boiler to less than 15 ppm
- Odour reduction projects; focussing on continuous improvement teams to improve BLOX and reduce NCG venting
- Continue to maintain the upgraded ambient air monitoring stations
- Maintain compliance with future base-level industrial emission requirements (BLIERS)
- Report requirements for NPRI, GHG and other government and/or corporate programs
- Continuous improvement of Power Boiler operations
- Participate in the Nova Scotia Cap & Trade Program

Northern Pulp Nova Scotia Corporation, a Paper Excellence Company
P.O. Box 549, Station Main, New Glasgow, NS B2H 5E8
260 Granton Abercrombie Branch Road, Abercrombie, NS B2H 5C6
T: 902.752.8461 | F: 902.752.9149 | info@northernpulp.com
www.northernpulp.com | www.paperexcellence.com

SOLID WASTE OBJECTIVES

- Fulfill government requirements around solid waste regulations.
- Determine realistic ways of diverting solid waste away from the landfill
- Continue to segregate our domestic waste streams
- Continue the mill waste recycling program

WOODLANDS OBJECTIVES

- Participate in the annual Sustainable Forestry Initiative Advisory Committee meeting
- Maintain current certifications held:
    - ISO14001 Woodlands Environmental Management System
    - Chain of Custody (SFI, PEFC™, FSC®)

OTHER OBJECTIVES

- Maintain annual updates to environmental emergency preparedness and response manual
- Attend environmental courses or conferences where applicable
- Maintain an active Community Liaison Committee.

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