

Northern Pulp Community Liaison Committee

June 15, 2018 10:00 am

Location: Northern Pulp

Attendees: NPNS Executives, CLC Committee Chair, NPNS Employee Representative, Representatives from Pictou, Pictou Landing, Moodie Cove, Greenhill and Pictou Landing First Nation

Regrets: Abercrombie

Introduction and Welcome to members

2018 Environmental Operation

Water & Waste Water Objectives:

- Northern Pulp tests and submits according to government regulations.
- Northern Pulp maintained compliance in 2017 and expects to continue through 2018:
 - Mill Effluent Toxicity
 - Total Suspended Solids
 - Biochemical Oxygen Demand (BOD)
 - Dioxins & Furans (results show NPNS dioxin and furan levels are lower than detection limits)
- Continue work on Environmental Assessment/permitting for the new effluent treatment system
- Outline provided regarding design of the Boat Harbour replacement Effluent Treatment Facility (ETF) System
- Explanation of Environmental Effects Monitoring (EEM) requirements. Discussion regarding Plan for upcoming Cycle 8. Northern Pulp has completed seven cycles (each cycle is roughly three years in length). Latest cycle has been uploaded to ETF project website at www.northernpulpfuture.ca
- Continue hydrogeological monitoring at the mill site and newly added test points at the Effluent Treatment Facility System
- Identify impacts of ETF and Oxygen Delignification project on water usage
- Design cooling system to allow for recycle of non-contact cooling water
- Presentation of annual effluent quality

Air Objectives:

- RB particulate emissions reduced by a minimum of 75% on all stack tests since the precipitator was installed. . Frequency of stack testing for RB has been reduced.
- Discussion regarding consistent improvements in fuel management and power boiler operations which has led to a decrease in PB particulate emissions (hog fuel size, air entrainment, PB grate operation, and PB scrubber operation).

- Presentation of NPRI reported total facility emissions and stack testing summaries for PB and RB.

Nova Scotia Cap & Trade

Northern Pulp is participating in the NS Cap & Trade Program. There are approximately 20 participants in the program. They make up about 55% of total CO₂ emissions for the province. NSPI represents greater than 90% of reported emissions in Nova Scotia.

Northern Pulp represents about 1% of the reported CO equivalents emitted in Nova Scotia -- or approximately 0.5% of the total CO₂ emissions for the province.

Presentation of NPNS GHG emissions (carbon footprint) and overview of the program.

Woodlands

Vegetation Management Program

- Integrated forest sectors are key economic drivers. Large private companies make up 15% of the sector while Crown lands account for 35% and small private wood owners total 50%
- Update on industry and Northern Pulp's use of newer technology such as Machine Navigational Tools, GPS track log and LIDAR
- Northern Pulp's Nursery briefly detailed. Five million seedlings are planted annually with an additional one million (approximately) sold and provided as donations. Private woodlots saw 2.3 million seedlings planted with 2.2 million on Northern Timber lands; 0.5 million planted on Crown land.

Lahey Report

- Review on forest practices and evaluation of market access for private forest owners.
- Update on the Lahey Review provided to CLC members. Bill Lahey appointed to lead the review in September 2017. Final report was to be submitted by February 28, 2018. An extension was provided to April 30, 2018.

Effluent Treatment Facility Replacement Project and Environmental Assessment Update

Plan to submit Environmental Assessment project registration late summer 2018. The project must be approved prior to commencing construction.

- Fishers groups officially broke off talks in February after four Environmental Assessment consultation meetings.
- Second series of public information sessions will be held in the same format prior to project registration document submission to Nova Scotia Environment.
- Re-evaluation requested by CEAA for consideration of a federal assessment.

- Studies in multiple areas are underway including Aquatic, Terrestrial, Human Health, Socio-Economic, Cultural.
- Alternative Assessments
- Market Study
- Alternative treatment processes
- Alternative disposal options
- Presentation/discussion of Marine Sidescan sonar findings – ice scour, shipwreck(s), collapsed pier
- Presentation of updated ETF layout

List of Environment Studies

- Late Plant Survey
- Early Plant Survey
- Winter and early Spring bird survey
- Breeding bird survey
- Preliminary wetland study
- Wetland functional assessment
- Turtle/herptile assessment
- Terrestrial wildlife, migratory bird and bird priority species/habitat
- Groundwater, bedrock, surficial geology

List of Aquatic Environmental Studies

- Harbour and marine habitat visual assessment
- Final Receiving Water Study
- Final predicted mixing zone characteristics
- Final predicted impact to benthic environment
- Future monitoring via EEM program
- Sediment testing plan of harbor and marine bottom – baseline and future studies
- Aquatic/marine fish and wildlife species/habitat

Engineering Studies and Design

- Completion of sonar to assess for ice scour
- Marine Geotechnical
- Design of access road/tree impact
- Final confirmation of outfall location, diffuser footprint and orientation

Human Health, Socio-Economic and Cultural Studies

- MEKS
- Archaeological and cultural heritage (land based) – project accommodation required to avoid archeological resources
- Marine archaeological and cultural heritage

- Air Quality
- Risk based assessment of Human Health
- Noise
- Summary of engagement with all stakeholders

Boat Harbour Remediation Project

- Remediation trials planned for Fall 2018

Continuous Improvement

Employee Improvement Ideas Program

- Offers a platform for employees to bring forth creative ideas to resolve critical business issues.
- Ideas can range from health & safety, waste elimination to cost savings and 6S continuous improvement initiatives
- Implementation of an idea provides a reward to the employee
- In 2017, 122 ideas were submitted
- For 2018, to date 51 employee ideas have been implemented

Communications

- Sponsorships details
- Eastlink High School Sports sponsorship. 2017 – 2018 academic school year
- Television / Radio commercial campaigns held thus far within 2018
- Ongoing media relations strategy both proactive and reactive

Meeting adjourned 2:35 pm