

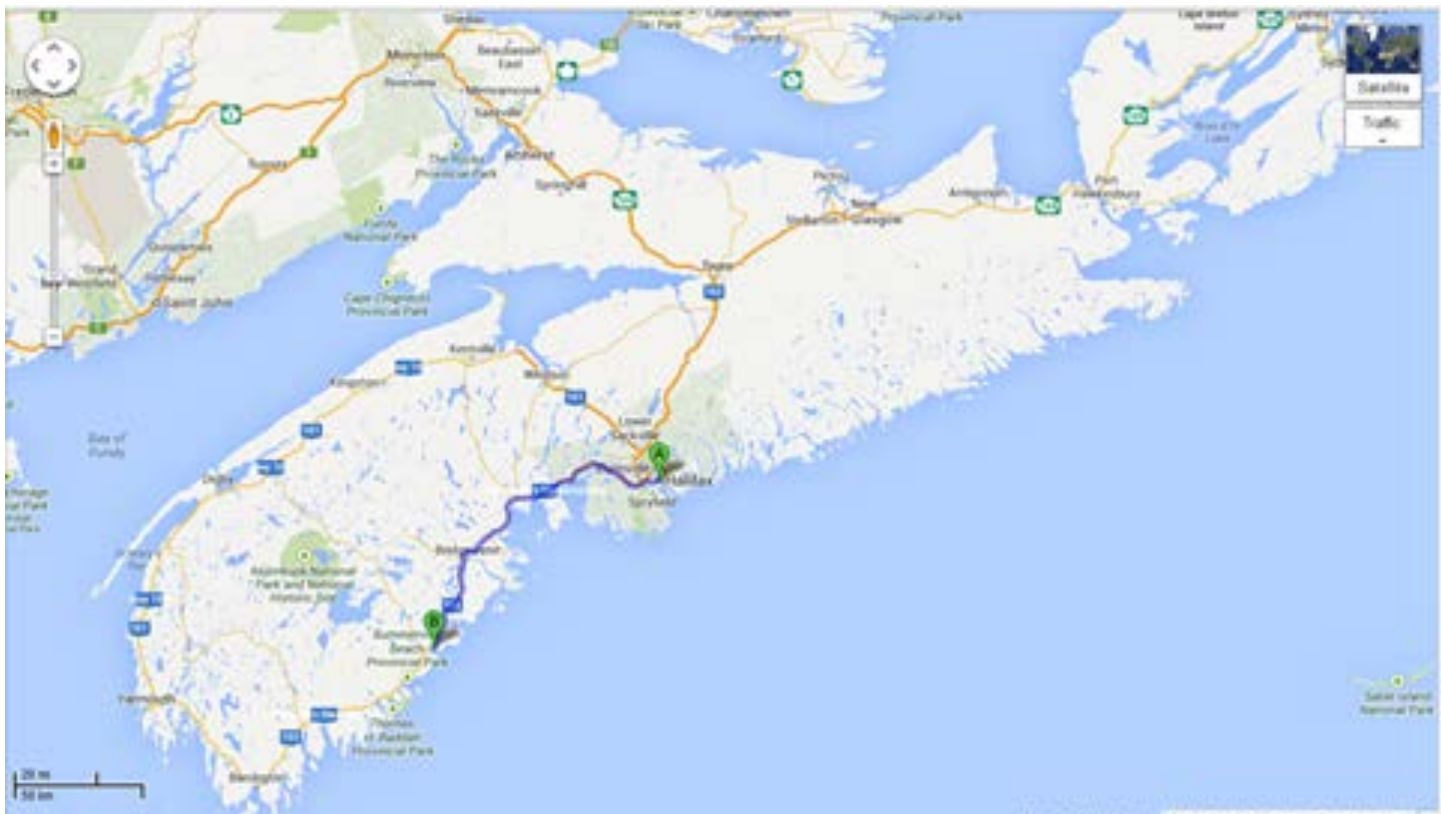
Renova / Nova Scotia Lands Bowater Mersey Mill Project Liverpool, NS

2014



Location

- Brooklyn, Nova Scotia (near Liverpool)
- On the shore of Liverpool Bay
- Approximately 145 kms south west of Halifax.



Timeline

- 1929 - Mill originally built as Mersey Paper Co. Ltd.
- 1956 - Mill is sold to Bowater
- 2007 - Bowater Mersey merges with Abitibi-Consolidated
- 2009 - AbitibiBowater Inc. re-structures after filing for bankruptcy
- 2011 - Parent company renamed Resolute Forest Products and says mill least profitable of its operations
- 2012 - Mill is permanently shut down, sold to the Provincial Government
- Provincial Government took on the liability for the site. Crown corporation Renova Scotia Bioenergy Inc. established as owners and contract Nova Scotia Lands to manage the former mill site.
- Assets included 225,000 ha of forest land and other industrial assets
- 2014 - Tenders for Demolition and Asset sales awarded to Tervita.



History of the Mill

- Operated as Thermomechanical Pulp (TMP) Mill
- By 2011 annual production of ~253,000 tonnes of newsprint
- Included at the site is a shipping and receiving docks for freighters



Project Partnership

Renova issued two tenders for the Bowater site

1. Sale of Assets
 2. Demolition and Scrap Processing
- Tervita partnered with National Recycling Inc, and submitted a consolidated bid for both the sale of assets and demolition.
 - NRI responsible for all of the scrap metal and assets, while Tervita was responsible for the demolition and scrap processing.
 - Tervita's consolidated bid offered a turnkey approach for demolition and sale of assets, which gave good value to the client.
 - Tervita had worked with Nova Scotia Lands on previous projects
 - Tervita has a regional office located in Dartmouth NS. 2 hours from site to manage the project.



Schedule

- Contract Awarded to Tervita January 2014
- NRI commenced removing assets January 20, 2014
- Tervita commenced demolition March 26, 2014
- Project Substantial completion milestone July 31, 2014



Site Hazards

Asbestos abatement previous conducted on site before general demolition and reclamation activities took place.

Main hazard encountered was small amount of H₂S resulting from old wood stock rotting in pipe on site.



Management Planning

- Working in close proximity to ocean
- Removing assets and scrap from non-demolition areas
- Developed the following plans:
 - Site Specific Health & Safety Management Plan
 - Environmental Management Plan (Tervita standard)
 - Construction Management Plan (Tervita standard)



Renova Bowater Equipment

45 tonne excavators with shears used to rip apart the former paper mill structures building by building.





04/10/2014





06/17/2014





Waste Generation Minimal

10,000 tonnes of scrap metal recycled off-site.

Concrete was all disposed of on site (~10,000 tonnes).





10/09/2014

Reclamation Challenges

- Facilities are not designed for future demolition activities
- Tervita experienced quite a few break downs – typical for demolition work at industrial sites
- Shear replacement and maintenance due to function issues.
- Brand new excavators used on the site but the hydraulic systems took a while to get the bugs sorted out.
- Not all structures demolished. Manual separation so that remaining structures were not damaged.



Reclamation Solutions?

Do you have the right team in place to handle change and support issues in the field for large industrial reclamation projects?

Project Schedule extended for approximately 3-4 months through negotiation with stakeholders



The Future

- Site will be an industrial park focused on forestry innovation research (bio-innovation centre, forestry laboratories).
- Some of the buildings will be used to house a demonstration plant producing synthetic renewable fuel from forestry resources.
- The site owner is using the existing wharf to unload and temporarily store wind turbines. Wharf will be used for other cargo as well.



Any Questions?

