



Suite 204, 1 Regent Square
Corner Brook, NL
A2H 7K6

September 8, 2015

Courtney Hunt - Environmental Protection Officer
Service NL

RE: Wharf reconstruction, Newmans Sound, Terra Nova National Park, NL

On behalf of Parks Canada, Terra Nova National Park, please find attached a project description and relevant information for the above-referenced project. Subject to regulatory approval an existing treated timber wharf owned by Parks Canada and located in Newmans Sound, Terra Nova National Park will be demolished in its entirety and disposed of at an approved waste disposal facility.

1.0 Project Description

A Parks Canada finger pier wharf and associated infrastructure located in Newmans Sound has reached the end of its useful service life and will be replaced. The existing structure and associated components were partially constructed of creosote and CCA treated timber cribwork. As per provincial guidance concerning the disposal of treated wood (document GD-PPD-075), approval from Service NL is required to dispose of the creosote/CCA treated timber at an approved waste disposal facility.

2.0 Treated Wood Sampling Program

As part of this project's pre-planning process, a total of six (6) wood samples were collected from various locations throughout the creosote and CCA treated sections of the existing structure and associated components (3 from creosote treated cribblock associated with concrete slipway and 3 from the CCA treated section of the finger pier wharf). Samples were collected from below the low-water mark and consisted of cross-sectional composite cores obtained from creosote and CCA treated longitudinal crib timbers. The 6 samples were sent to a CALA certified facility and analyzed for arsenic, chromium (for CCA treated timber) and benzo(a)pyrene and total cresol using the Toxicity Characteristic Leaching Procedure (TCLP).

3.0 Treated Wood Analytical Results

The wood sample results are as follows:

- Leachable arsenic and chromium was detected at levels below provincial guidelines;
- Leachable Total cresol was not detected;
- Leachable Benzo(a)pyrene was not detected;
- Leachable pentachlorophenol was not detected.

Results are summarized in the following tables:

Parameter	Sample#1 CCA	Sample#2 CCA	Sample#3 CCA	Sample#1 Creosote	Sample#2 Creosote	Sample#3 Creosote	Provincial Guideline (mg/L)
Arsenic	1.5	0.093	1.2	n/a	n/a	n/a	2.5
Chromium	0.15	0.043	0.18	n/a	n/a	n/a	5.0
Benzo(a)pyrene	n/a	n/a	n/a	ND	ND	ND	0.001
Total Cresol	n/a	n/a	n/a	ND	ND	ND	200
Pentachlorophenol	n/a	n/a	n/a	ND	ND	ND	6.00

The complete set of analytical results, including QA/QC and Certificates of Analyses for all parameters tested are also attached.



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I trust the enclosed information is sufficient to allow you to provide the necessary approval. If you have any questions or concerns, or require any additional information or further clarification please contact me at (709) 637-4481 or email mark.mcneil@pwgsc-tpsgc.gc.ca

Regards,

Mark McNeil
PWGSC - Environmental Services

c/c. J. Hann

Attachments:

Photograph 1 (wharf structure to be demolished)
Photograph 2 (slipway with cribbing to be demolished)
Photograph 3 (overview of project site indicating location of treated timbers)
Certificate of Analysis - Maxxam Job #: "B5G8558"

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Photograph 1: Aerial photograph of wharf structure to be removed containing CCA treated cribwork (yellow).



Photograph 2: Aerial photograph of concrete slipway with underlying creosote treated cribwork.



Photograph 3: Over-view of project site indicating locations of treated timber.



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(Attached separately)