

BRIEFING NOTE

Water Treatment Plant Project

01 June to 05 August 2011

1. 05 August - 2011 – Progress Notes

30 June Ethix Consulting Inc. issued a proposal call for Professional Engineering Services for the Design and Construction of a new water treatment plant for the District. The scope of work envisioned was the construction of a pressure filtration plant located on the District owned lot at 10001 Dudley Drive. Ultra violet disinfection in addition to conventional disinfection is to be included. The plant would be housed in a self framing building with the treatment package being skid mounted should that need arise to relocate the plant due to the construction of Site C or the need to relocate to accommodate a new river intake and high lift pump station. L & M Engineering of Prince George responded with a proposal that included their sub-consultants Kerr Wood Leidal, Harder Associates, NRS Engineering and Simon and Company Structural Engineers. L & M proposed the following schedule:

- Preliminary Design 04 July to 15 August
- Pilot Testing Complete by end of July
- Geotechnical Investigation Complete by the end of July
- Site Topo Survey and Site Visits Complete by mid July
- Preliminary Cost Estimate One week
- Detailed Design Complete by mid September
- Tender 1 Sept to 31 September
- Construction Supervision 1 Oct to 31 March 2010
- Commissioning Complete by 31 March
- As-built drawings and O & M Manual one month

11 July District Council awards the contract to L & M Engineering for the design and construction of a water treatment plant for the District at the submitted cost for engineering of \$178,137.00.

19 July Kerr Wood Leidal provides advance information to package treatment plant suppliers of the type of treatment facility the District is considering to allow them to commence preliminary planning and design.

25 -29 July A pilot treatment study is undertaken to determine if an engineered media (in lieu of sand) would remove the very fine particles from the source water. Should the engineered media not be successful, it could be augmented with a coagulant. Third option would be to consider a different type of plant, dissolved air floatation with conventional filtration. The preliminary results of the pilot indicate that the engineered media will remove the fine particles but there may be a consideration to include the ability to add a coagulant should source waters change.

05 August Next short term steps:

1. The suppliers of packaged treatment plant will be requested to submit proposals for a skid mounted treatment plant based on the results of the pilot testing.
2. The District owned house at 1001 Dudley Drive will be offered for sale and removed from the site.

For additional information or comments, please contact:

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