



The Clearwater Group

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## FAX

DATE: 1-Nov-00 TIME: 5:47 PM  
TO: Nunavut Water Board  
Dionne Filtrault  
PHONE: 867-360-6338  
FAX: 867-360-6369  
COPIES: Doug Sitland  
FAX: 867-979-5811  
FROM: Rick Johnson  
PHONE: (604) 501-6171  
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Number of copies including this cover page: 1

RE: New sewage treatment plant - Hamlet of Pangnirtung

### Comments:

Dionne,

Our company is preparing a proposal for a secondary sewage treatment plant for the Hamlet of Pangnirtung and we'd like some clarification of the required effluent quality requirements.

We have copies of various N.W.T. design guidelines and from what we can determine, for Pangnirtung and assuming an ocean discharge (either an outfall or a discharge line that terminates at the high water mark) we understand the required effluent quality is 90 mg/l BOD<sub>5</sub> and 60 mg/l TSS. Disinfection will not be required, as there is no adjacent fishery.

Also, we are using for our design flows an ultimate population of 2,000 with a per capita flow of 90 l. This 90 l/c is modified as per the "water use adjustment relationships for community size". This actually gives a flow rate of 131.4 l/c/d and this is the design capacity we are using.

Are the above assumptions correct?

Thanks for your help; any other design information you think may be helpful will be greatly appreciated. Please call or you can E-mail me at: [johnson@clearwaterworld.com](mailto:johnson@clearwaterworld.com).

Yours truly,

*[Signature]*  
Rick Johnson

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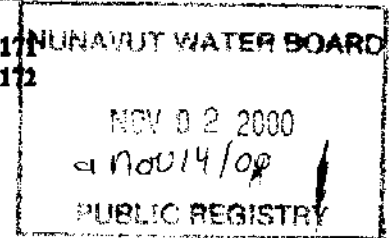
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*Doug will forward necessary info of.*