



Erica Janes
Regulatory Officer, Mackenzie Valley Land and Water Board (MVLWB)
4922 - 48th Street
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P.O Box 2130
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November 17, 2017

Dear Ms. Janes:

Notification of Request for Surveillance Network Program (SNP) Changes for Hamlet of Fort Liard Water Licence MV2009L3-0025.

ENR would like to request the following changes to two of the existing SNP stations for the above noted licence:

- **SNP 1478-6** - Currently the licence SNP requires that water at station 1478-6 (*Water from stream flowing to Petitot River upstream of culvert at Hwy #7 – monitors treated sewage effluent post-decant*) should be sampled one week prior to discharge and weekly during discharge; and if decant is less than 7 days, then this station should be sampled on the first and last day of decant instead of weekly. The Inspector requests that SNP station 1478-6 still be sampled one week prior to discharge and *only* on the last day of decant, if decant is less than 7 days. Historically, the lagoon decant period is less than 7 days (i.e. 5 days). The requirement for sampling one week prior to decant will provide important water quality monitoring information at this site prior to any impact decant operations may have downstream, and saves costs for the Hamlet as sampling at SNP site 1478-9 can coincide at the same time. Because SNP 1478-6 is a downstream site and should be monitored for impacts during decant, the requirement to sample on the last day of decant still stands. Rationale for the removal of the requirement to sample on the first day of decant stems from no effluent flow at SNP station 1478-6 at this time, and no effluent entering the downstream receiving environment until after the first few days of decant. This will also save the Hamlet from having to solely sample this station again, which is often difficult due to limited flow until mid-decant. The Hamlet would also be spared the added time and costs associated with collecting and shipping out a single sample-which is logistically challenging at the best of times given the remote location-that would likely not yield results that differ from the sample collected a week prior to decant.
- **SNP 1478-9** – Treated effluent at 1478-9 (*Wastewater sample from new cell three of the Sewage Disposal Facility - point of compliance to measure final effluent quality before discharge to receiving environment*) is also required to be sampled one week prior to discharge and weekly during discharge; and if decant is less than 7 days, then this station should be sampled on the



first and last day of decant instead of weekly. The Inspector requests that SNP 1478-9 be sampled one week prior to discharge only, and remove the requirement to sample weekly during discharge (or on the first and last day of decant if decant is less than 7 days) as this sampling has questionable usefulness and only incurs added costs for the Hamlet.

Acceptable water quality monitoring at SNP stations 1478-6 and 1478-9 would still occur with the above requested changes to the licence SNP, and the Hamlet would save on monetary resources that could be put towards other important aspects of the licence.

Please consider this letter, a formal request from the Environment and Natural Resources, South Slave Regional Water Resource Officer (providing coverage for this Deh Cho region file) for the above noted changes to the SNP in The Hamlet of Fort Liard's water licence MV2009L3-00025.

If the MVLWB have any questions or concerns, or wishes to discuss the above requests in greater detail, please don't hesitate to contact me at 867-872-6421 or by email at wendy_bidwell@gov.nt.ca.

Sincerely,

Original signed

Wendy Bidwell

Water Resource Officer
South Slave Region
Environment and Natural Resources-GNWT

Cc.

Mr. Allan Harris, Manager of Municipal Operations, Hamlet of Fort Liard
Mr. Troy Ellsworth, Regional Superintendent, South Slave Region, ENR
Mr. Carl Lafferty, Regional Superintendent, Deh Cho Region, ENR
Mr. Nahum Lee, Water Resource Officer, North Slave Region, ENR
Mr. Nathen Richea, Manager Water Regulatory, ENR
Ms. Heather Scott, Technical Advisor, MVLWB