

Environmental Protection Operations Directorate
Prairie & Northern Region
5019 52nd Street, 4th Floor
P.O. Box 2310
Yellowknife, NT X1A 2P7

ECCC File: 6500 000 005/005
NWB File: 8AC-ALT1929



July 6, 2021

via email at: licensing@nwb-oen.ca

Richard Dwyer,
Manager Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

Dear Richard Dwyer

RE: 8AC-ALT1929– Alert Station – 2020 Annual Report

Environment and Climate Change Canada (ECCC) has reviewed the information submitted to the Nunavut Water Board (NWB) regarding the above-mentioned 2020 Annual Report.

ECCC's specialist advice based on our mandate pursuant to the *Canadian Environmental Protection Act* and the pollution prevention provisions of the *Fisheries Act*.

The following comments are provided:

1. Lead Concentration Units

Reference(s):

- Appendix B (Effluent Quality Results)
- Appendix C (Runoff and Leachate Quality Results)
- Appendix E (Analytical Results)

Comment:

ECCC notes that the 2020 Annual Report compares lead concentration results to the CCME guideline (lead) value using mg/L, whereas the analytical reports provided for the annual report appear to present lead concentration results in ug/L. Consequently, the lead concentration results presented in mg/L appear to be incorrect.



ECCC Recommendation(s):

ECCC recommends that the Proponent re-evaluate whether the units used to present lead concentration results in the 2020 Annual Report agrees with the units provided in the laboratory reports, and correct the 2020 Annual Report as necessary.

2. General Comment

Reference(s):

- 2020 Annual Report for CFS Alert, Nunavut

Comment:

ECCC notes that it is important to record ambient conditions as well as any notable conditions that occur at the time of sampling, in order to support the interpretation of SNP monitoring results.

ECCC Recommendation(s):

ECCC recommends measuring and recording the ambient conditions (including precipitation, wind speed and direction, air temperature, and pH and temperature of receiving waterbody) and any other notable conditions (such as algal growth) at the time of SNP sampling, and using this information to support the interpretation of monitoring data.

If you need more information, please contact Jennifer Sabourin at Jennifer.Sabourin@Canada.ca.

Sincerely,



Jennifer Sabourin
Environmental Assessment Officer

Attachment(s):

cc: Jody Small, Acting Head, Environmental Assessment North (NT and NU)