



8 Wing Environmental Management
74 Polaris Avenue, Room 305
PO Box 1000 Stn Forces
Astra, ON K0K 3W0

11 May, 2020

Licensing Department,
Nunavut Water Board
P.O. Box 119
Gjoa Haven, Nunavut X0B 1J0

Re: 8AC-ALT1929 – Department of Defense – Alert Station – Water Management Plan, Wastewater Management Plan including a Sewage Sludge Management Plan

Dear Licensing Department,

The Department of National Defence (DND) - 8 Wing Trenton Environmental Management Office is providing this response letter to the Environment and Climate Change Canada (ECCC) Technical Review Comments for the Fresh Water, Sewage, and Waste Water Management Plan Canadian Forces Station Alert, Nunavut dated May 1, 2020.

DND - 8 Wing Trenton Environmental Management Office appreciates the dedicated efforts of the NWB and the constructive recommendations by ECCC to collaborate and support Canadian Forces Station (CFS) Alert.

DND - 8 Wing Trenton Environmental Management Office's responses to the following ECCC Recommendations:

1. Terminology:

ECCC recommends that the proponent use the same terminology in the Sewage Treatment Plan for the treatment system as is in the water licence.

Comment

DND fully agrees and will make necessary changes in the revised edition of the Fresh Water, Sewage, and Waste Water Management Plan. For transparency, the Management plan will reference the Terrace as the Terrace Wetland Treatment Area.

2. Acronyms:

ECCC recommends that for clarity, the proponent review the acronyms, delete those that are not applicable and provide acronyms for relevant items in the list of standards at the bottom.

Comment

DND agrees and will make necessary changes in the revised edition of the Fresh Water, Sewage, and Waste Water Management Plan.

3. Disposal of effluent from the Land Farm and Bulk Fuel Storage Facility

ECCC recommends that the management plan identify discharge locations and effluent volumes for all wastewater streams.

Comment

DND partially agrees and will make necessary changes in the revised edition of the Fresh Water, Sewage, and Waste Water Management Plan.

Please note however, there is no intent for any water to be discharged from the land farms. The in-situ bio-remediation requires water to be present as part of the hydrocarbon breakdown process. This is part of the microbial hydration process.

4. Maintenance Records

ECCC recommends that maintenance records for the Terrace Wetland Treatment System be tracked and recorded going forward.

Comment

DND agrees with is approach. DND has requested previous documentation from the facility maintenance contractor and are awaiting a response. DND has also requested that the contractor to develop a program to record maintenance activities going forward. This documentation, in the future, will be available upon request unless otherwise directed. This objective and way forward will be noted in the revised edition of the Fresh Water, Sewage, and Waste Water Management Plan.

5. Sampling and maintenance checklist

ECCC recommends that checklists and operations and maintenance documentation be included with the Wastewater Management Plan.

Comment

As stated in item 4, DND will endeavour to include documentation as requested, as made available from the facility maintenance contractor. This direction will be noted in the revised edition of the Fresh Water, Sewage, and Waste Water Management Plan.

DND - 8 Wing Trenton Environmental Management Office appreciates ECCC's constructive recommendation and will incorporate the comments in the revised edition of the Fresh Water, Sewage, and Waste Water Management Plan.

A revised Fresh Water, Sewage, and Waste Water Management Plan will be provided by June 11, 2020.

Should you have any further questions or comments, please do not hesitate to contact me.

Yours truly,



Nathan Koutroulides.
Deputy 8 Wing Environment Officer
8 Wing Trenton Environmental Management Office
Department of National Defence
(613) 392-2811 ext 4821
Nathan.Koutroulides@forces.gc.ca

