



Water Resources Division
Nunavut Regional Office
Iqaluit, NU
X0A 0H0

NWB File: 3BC-CAM0919
CIDMS #: 398556

Apr 23, 2010

Re: 3BC-CAM0919 – QA/QC Plan for Sampling at both the Final Discharge Point of the Bermed Fuel Storage Facilities and Final Discharge Point of Sewage Treatment Facility – Cambridge Bay – CAM-M – Department National Defense.

Please be advised that Indian and Northern Affairs Canada (INAC) has completed a review of the QA/QC plan for both the bermed fuel storage and sewage treatment facilities final discharge points for water license 3BC-CAM0919 (Cambridge Bay) submitted by Nasittuq Corp. on behalf of Department of National Defence. The NWB circulated the QA/QC plans for information purposes only comments on February 16, 2010. All associated documents related to the QA/QC plans are posted on the NWB ftp site under 3BC-CAM0919 were included in my review (See attached Technical Review Memo).

Should you have any questions or comments, please do not hesitate to contact me at (867) 979-4282 or by email at Ian.Parsons@inac.gc.ca.

Sincerely,

Original signed by

Ian Parsons
Water Resources Technician

Cc. Lou-Ann Cornacchio, Manager of Water Resources – Indian and Northern Affairs Canada, Nunavut Regional Office



Technical Review Memorandum

To: Lou-Ann Cornacchio, Manager of Water Resources – Indian and Northern Affairs Canada, Nunavut Regional Office
Phyllis Beaulieu – Manager of Licensing, Nunavut Water Board

From: Ian Parsons – Water Resources Technician, Indian & Northern Affairs Canada.

Re: 3BC-CAM0919 – QA/QC Plan for Sampling at both the Final Discharge Point of the Bermed Fuel Storage Facilities and Final Discharge Point of Sewage Treatment Facility – Cambridge Bay – CAM-M – Department National Defense.

Background

The Cambridge Bay Cam-M site is located 2.5 km west of the Hamlet of Cambridge Bay on the south shore of Victoria Island. The CAM-M site is a Long Range Radar and Logistics Support Station that is the operational and administrative center for other auxiliary stations to the east for the North Warning System. Water is pumped from a nearby lake to storage tanks, as these tanks get low the water pumps automatically kick in to refill the storage tanks. Sewage and greywater are treated on-site using a tertiary wastewater treatment system. Approximately 6 cubic meters per day is treated with 2.5 cubic meters being discharged. Non-hazardous wastes disposed of at the Cambridge Bay Landfill with hazardous wastes being backhauled out of the territory.

Recommendations/Comments

QA/QC Plan for sampling from Final Discharge Point of Bermed Fuel Storage Facility

INAC has no issues with the QA/QC plan for sampling from Final Discharge Point of Bermed Fuel Storage Facility submitted as a requirement of the license.. However INAC recommends the submission of GPS coordinates and a map of the sampling sites. As well it is noted that the submission was pass the 90 day time requirement for the QA/QC plan as per water license 3BC-CAM0919.



QA/QC Plan for Sampling from Final Discharge Point of Sewage Treatment Facility

INAC has no issues with the QA/QC plan for sampling from Final Discharge Point of Sewage Treatment Facility submitted as a requirement of the license.

However like the first QA/QC plan INAC recommends that GPS coordinates and map of the sampling locations accompany the plan. Again, like the previous plan, it is also noted that this submission was also pass the 90 day time requirement for the QA/QC plan as per water license 3BC-CAM0919.

It has been noted that the proponent states that non-hazardous wastes are disposed of at the Hamlet of Cambridge Bay Landfill. The proponent is reminded that a written agreement between themselves and the Hamlet of Cambridge Bay is required before any wastes are backhauled to the Hamlet's specified waste disposal site.

Nasittuq Corp. on behalf of the Department of National Defence are required to provide the Nunavut Water Board all outstanding information referred to above in order to comply with the Renewal Application process.

Cc. Lou-Ann Cornacchio, Manager of Water Resources – Indian and Northern Affairs Canada, Nunavut Regional Office
Peter Kusugak, District Manager – Indian and Northern Affairs Canada, Nunavut Regional Office