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To: Phyllis Beaulieu From: Sam Cheng

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Phone: \_\_\_\_\_ Pages (including this one): 3

Re: NWS Project Summary Date: \_\_\_\_\_

Urgent  For Review  Please Comment  Please Reply  Please Recycle

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● Comments:

Hi Phyllis:

As discussed, attached is subject in Inuktitut and English. Please advise if this meets the requirement for the NWS site water license application.

Regards,

Sam

SEP 08 2003

## Public Registry

## North Warning System – Project Summary

The Department of National Defence/North Warning System (NWS) consists of long range and short range radar sites, extending from Yukon across the Arctic and down the Labrador coast, that are operationally connected to the Regional Operations Control Centre (ROCC) in North Bay by a Long-Haul Communications Network (LHCN). Control and support infrastructure for NWS is provided through various locations as described in the following paragraphs.

The NWS has 11 Long Range Radar (LRR) sites, extending from Shingle Point, Yukon to Cartwright, Labrador, that provide high level radar coverage of the North. Nine of these are auxiliary unattended sites. CAM-3, Shepherd Bay, FOX-3, Dewar Lakes, DYE-MAIN, Cape Dyer and BAF-3, Brevoort are the current project locations. These radar stations are unmanned all year round. There are four scheduled maintenance trips to these stations every year. Each of these trips comprises a 4-person crew for a duration of 4 days. Major maintenance projects resulting in a higher occupancy rate at the stations may occur once every 2-3 years. Unplanned corrective maintenance trips to the stations during the year may be required from time to time. However, these trips rarely include overnight stay at the stations.

Two attended main sites, CAM-MAIN, Cambridge Bay and FOX-MAIN, Hall Beach are also subjected to the Nunavut Water License requirement. Both CAM-MAIN and FOX-MAIN also serve as Logistics Support Sites (LSSs) and are staffed by approximately 18 persons. Site facilities consist typically of buildings and their integral mechanical, and electrical systems, power generation systems, fuel tank farm, radar tower, antennas, satellite ground terminals, weather sensor compound, roads, helipad and beach resupply facilities. Both CAM-MAIN and FOX-MAIN have warehousing and workshop facilities and is interconnected with other NWS elements by a longhaul communications system and/or telecommunication landline.

Nasittuq Corp. is an agent for the joint venture between ATCO FRONTEC Corp. and Pan Arctic Inuit Logistics Corp. and has been contracted by the Department of National Defence to operate and maintain the North Warning System since 1988.

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