

October 10, 2001

File: 0171-095 PIN-3 3.11

VIA FACSIMILE 867-360-6369

Ms. Rita Becker
Licensing Administrator
Nunavut Water Board
P.O. Box 119
Gjoa Haven, Nunavut
X0B 1J0

Dear Ms. Becker:

**RE: Summary Report for Work Completed at PIN-3, Lady Franklin Point, as per
License NWB5FRA0101**

From 1955 to 1993, the Distant Early Warning – DEW Line – system provided radar surveillance of the polar approaches to North America using a chain of 42 radar stations. As the North American Air Defence System was upgraded, some of the DEW Line sites were upgraded or dismantled. The Lady Franklin Point DEW Line Site, designated PIN-3, was converted to a North Warning System (NWS) Long Range Radar (LRR) site. A fire destroyed the module train structure at PIN-3 in January 2000 and left the site non-operational. Because of the fire, the DEW Line Cleanup of the site at Lady Franklin Point was advanced to 2002.

Prior to all DEW Line clean up (DLCU) activities, a detailed site investigation is undertaken to provide information to be used in the reclamation design. The PIN-3 site investigation occurred in July and August 2001. During this period, soil water and structural material samples were collected. Inventories of the buildings and facilities on site were taken. Identification of surface debris was recorded. Geophysical, topographic and location surveys were performed. Potential sources of granular material required for the clean up activities were identified as well as the potential locations for site disposal facilities, storage areas, construction camp, etc. required for clean up activities.

Site investigation activities are predominantly confined to the Department of National Defence (DND) reserve, except when looking for borrow materials to be potentially used during the site clean up. The existing airstrip was used to access the site and the existing roads were utilized for vehicular traffic on site. The site investigation did not impact any of the existing roads, landing strips, streams, or other features and structures located at the site.

A temporary camp was set up at the site to facilitate the site investigation activities. The outfitter contract was awarded to Nunavut Expediting Services Ltd. The camp was set up at a previously disturbed area located north of the Airstrip (please see attached overall site plan for the location of the outfitter camp).

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Major equipment used on-site included ATVs and trailers, mini-excavator, satellite phones, radios, and laboratory equipment.

Water was obtained from the Water Supply Lake for domestic use other than drinking water. Drinking water was flown into the camp, because of high coliform levels in the Water Supply Lake. Water from the supply lake was pumped into a water tank on a truck using a portable pump and then transferred to a water tank at the camp.

All wastewater/greywater from camp operations was discharged to a greywater pit and buried more than 30 metres from natural drainage courses. Sewage was buried on site 100 metres from camp and temporary facilities and more than 100 metres away from natural drainage courses and water bodies. No water was returned to the source.

Domestic garbage was incinerated on site and the residual waste was buried with the sewage. Non-combustible wastes and used fuel barrels were removed from the site and flown into Cambridge Bay for disposal.

Upon completion of the site investigation, all camp facilities and equipment were removed from the site. Laboratory wastes were containerized and stored in the Tropo building and the Hangar for disposal during the DEW Line site clean up (please see the attached overall site plan for the locations of these buildings). All excavated test pits were backfilled.

No unauthorized spills or releases occurred during the site investigation at PIN-3.

The results of the site investigation will not be available until after Christmas. The results will be forwarded to the NWB when they have been received.

We trust the above noted information is consistent with the requirements as stated in Water Use License NWB5FRA0101. If you have any questions or comments, please contact the undersigned or Graham Emmerson at 403-270-9200.

Sincerely,
UMA ENGINEERING LTD.

Eva Schulz, P.Ag.
Environmental Scientist
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EMS:elt

Encl: Overall Site Plan

cc: Suzanne Belanger-Fontaine, DCC
Roland Merkosky/Barry Fedorak/Graham Emmerson, UMA
Amy Dumoulin-Jeromel, ESG