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**Report Date:** August 27, 2009

**Submitted by:** Stanley Tomaszewski; Brownfield Coordinator

**Subject:** Noorvik Brownfield Inventory visit 8/25/09.

**Upon arrival** Maniilaq Assoc. Brownfield Coordinator meet with IGAP Coordinator Theresa Outwater and Tribal Manager Hendy Ballot, reviewed previously completed inventory forms and contents, described Brownfield program( to Hendy) and importance of community involvement/interest in redevelopment/revitalization of potentially contaminated sites. Aerial map of village was used to locate the five sites of interest and then prioritized.

1. Active Sewage Lagoon (Untreated)- Several acres in size located approx. 1/8 mi. due East of community and equal distance from old airstrip to the West. Appears to be tundra pond natural depression without containment and is surrounded completely by tundra and spruce mixed. Very difficult approach to fenced perimeter (not well maintained) with warning signage of contents and no access to inside of fence found this visit. Was able to observe at distance substantial free flow from carrier pipe several feet above water surface visible in figure 1 lower right. Lagoon is at elevation above tundra ponds to SW and connected by natural drainage path through to road culvert. After freeze-up sewage discharge into lagoon tends to flow over and under ice to lower elevations findings way to proximity residential area and eventually to the river.



**Sewage Lagoon**



**Warning Signage**



Lower Elevation Tundra Pond



Roadway Culvert

2. Old Bulk Fuel Storage Tanks (AVEC)- Located on the edge of town between old and new sewage lagoons directly next to active power plant and new bulk fuel storage. Containment for old tanks via perimeter ditch and security fencing in disrepair as is tank bolstering. Status: Abandoned.



**Figure 3 Old Tank Farm**



**Figure 4 Containment**

**3. Noorvik Native Store Bulk Fuel Tanks (Abandoned)- Located on beach side of town and consists of two groups of tanks separated approx. 200 yards same distance to river, swimming, other recreation, subsistence fishing. Tank farm was used many years, signs possible petroleum contamination.**



**Native Store Fuel Tanks (Abandoned) Note proximity to Kobuk River**



**Native Store Fuel Tanks two locations approximately 200 yards apart, no longer used.**

4. Morris Trading Post Tanks and Storage- Located on beach side of town, north end, approximately 100 yards from river bend, local swimming and fishing, previously used to sell dispense stove oil and gasoline now abandoned. Presently bulk tanks consist of 55 gal. steel drums and a old gas metering pump noted at site along with storage connex. No containment for material storage evident, site is overgrown with vegetation. Trading Post was in operation for years, possibility of petroleum contamination exists.



**Former Morris Trading Post, 55 gal. drums adjacent to storage connex, contents undetermined.**



**Petroleum metering pump and mounded earth “pad” covered with vegetation. Pad possibly used for elevated tank support.**

5. Old Sewage Lagoon (Municipal Reserve on map) - Several acres in size, located north end of town. Local historical information suggests used as primary sewage lagoon for 40 plus years is no longer used for that purpose. Residents inform still smells of previous use and tend to flood banks in spring draining through town into river and city water source intake area putting at risk community drinking water quality.



Inactive Sewage Lagoon viewed from elevation looking south.  
Note nearby homes.





Imagery Date: 7/1/2007

66°50'06.20" N 161°02'30.08" W elev 50 ft

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Google earth

Eye alt 5364 ft





