



Maniilaq Association
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Report Date: December 5, 2011

Submitted by: Stanley Tomaszewski; Brownfield Coordinator

Subject: Kivalina Brownfield Inventory visit 11/03/2011.

Upon arrival and noting present vacancy in IGAP environmental coordinator position, Maniilaq Assoc. Brownfield Coordinator met with Kivalina Tribe Administrator Stan Hawley and council members Dolly Foster and Richard Sage to assist with Brownfield Inventory and discuss back haul-recycling activities. Went over the single survey form completed by former IGAP coordinator Mida Swan, during April 1-2, 2009 Brownfield workshop held in Kotzebue. Potentially contaminated site identified in completed survey form was visited and described below along with active community dump council members wished placed on inventory list. Additionally, historical use of inventory sites and potential reuse plans for these locations was discussed. BF coordinator described Maniilaq TRP, DEC Brownfield Assessment (DBA) assistance and EPA Targeted Brownfield Assessment (TBA) processes and cleanup options.

Abandoned Bulk Fuel Tank Farm Site –Kivalina Native Store (Owner); Identified location on community profile map in IRA office as Municipal Reserve #2 , tank farm was constructed during the “70’s” and consists of thirteen steel storage tanks of estimated volumes ranging from three to seven thousand gallons. These tanks, presumed empty, are staged in groups of four and nine tanks, and separated by a boat access to the lagoon. Forming unfenced boundaries of subject 175 by 150 ft. (0.6 acre estimated) property are two occupied residences within 50ft. of tanks, Kivalina Lagoon estimated at 30-50 ft. away and the Kivalina Native Store separated by unpaved road. Tanks rest mostly on timber bolsters of undetermined condition, and degree of any form of containment, if existent, was not visible this date due to snow cover on ground. This tank farm was previously used by the Kivalina Native Store for bulk storage and dispensing of gasoline and stove oil. A small wooden pump shed is still located on site although no longer in service. Additionally on this site is a 20 by 28 ft. wood frame shed structure in disrepair used as storage by native store.

Historical use: During active service life of tank farm former IGAP indicates some spillage during fuel unloading and transfer operations along with “leaking pipes over a period of time and no cleanup done from long period of undetected leak during the 80’s possibly overreaching onto residential land”. Active subsistence location along the lagoon shore and heavy erosion of embankment a concern due to proximity of storage tanks to this water body.

Redevelopment Reuse Purpose: Native store indicates desire to set up a hardware store and warehouse.



Abandoned Bulk Fuel Storage Tank Farm (Note: Date stamp should read 11/03/11 and 11 a.m.)

- Kivalina Landfill (Active)** – City of Kivalina (Owner); located approx. one third mile north of end of airport runway and bounded on either side by the Kotzebue Sound to approximate west and the Kivalina Lagoon to the east. This landfill is roughly 300 ft. long and about 100 ft. wide. **Presently**- active dump is self-haul; site access is unrestricted all hours of the day or week with perimeter fencing one side only leaving a wide-open entrance (no gate) and garbage including human or “honey bucket” waste contained in plastic bags and/or cardboard boxes is dumped randomly along its length. The locally constructed burn box equivalent on site appeared to be inoperative and open burning of refuse on the ground was observed. These conditions pose potential threat to human health and the environment and allows prevailing wind blow of debris across access road collecting in vegetation fenced side or into mentioned water bodies. Further, site controls any form are non-existent and overall maintenance condition is poor and appears refuse infrequently being pushed into the dump, compacted and fill covered. City equipment and operator only sometimes available for dump maintenance due to limited resources for that purpose. At the extreme end of dump away from town is located a ‘honey bucket’ lagoon or more like ‘pit’. This corrugated metal framed feature approx. 30 ft. by 30 ft. has no gate and limited fencing on one side only is mostly filled with refuse or garbage and little evidence of containing human type waste. Was informed that honey bucket waste handling and disposal, both at the dump and within the village, is a primary concern of residents.
- Redevelopment-Reuse-Purpose**; undetermined.



Dump Entrance



Kotzebue Sound, Dump Entrance, Kivalina Lagoon



Bags of frozen human waste, burned refuse on ground,
Old “burn box”



Honey Bucket “lagoon”

(Note: Date stamp should read 11/03/11 and 1 p.m.)