



Alaska Department Environmental Conservation (ADEC) Solid Waste Program (Doug Huntman and Jacob Timmons) conducted a Coastal Impact Assistance Program (CIAP), Waste Erosion Assessment and Review (WEAR) site visit for Newtok, June 17th, 2013. The following narrative is a brief description of our findings during our June inspection.

WEAR Sites

- **Landfill, 60.940322/-164.62405 (Active)** – The landfill is located across the Kealavik River from the village, and was inaccessible during the June 17th, 2013 visit as it is only accessible at high tide by boat. Information and pictures for this site are based off of the 2007 inspection. Observations during the 2013 site visit, indicated the operations were virtually the same. This unpermitted landfill is operated as an area fill. It is unfenced and no restrictions are in place for waste entering the site. There was evidence of open burning on the ground, even though a burn box was on site. Two part-time operators collect and transport trash to the landfill. The entrance to the landfill at the Kealavik River is eroding. The site is 450 feet from the Kealavik River and 1,500 feet from the Ninglick River. The 2009 Army Corps of Engineers estimates the Ninglick River to be eroding at 42 feet per year.



- **Backhaul Staging Area, 60.937262/-164.627492 (Active)** – This area between the sewage lagoon and the river is used as storage for items that could potentially be backhauled. It is 0.14 acres and includes old snow machines, barrels, cable, and other miscellaneous metals and woods. Although the end goal is for backhaul, the site is not very organized and it would be hard to get items from the site onto a barge in its current state. It lies 90 feet from the Kealavik River and 600 feet from the Ninglick River which is eroding on the south Newtok shore at 42 feet per year according to the BEA study.



- **Corporation Fuel Tanks, 60.941557/-164.633378 (Active)** – This site, owned by the Calista Corporation, contains three horizontal tanks, three vertical tanks, and around six barrels, all of which is within separate raised, wooden, lined secondary containment. The site is 53 feet from the Kealavik River, the nearest source of erosion, and 2,500 feet from the Ninglick River which is eroding at 42 feet per year per the BEA study.



- **LKSD Tanks, 60.936874/-164.628458 (Active)** – This site is owned by the Lower Kuskokwim School District (LKSD) and contains two large fuel tanks and around fourteen barrels, some marked “waste oil”. The tanks are within secondary containment, but it was in a state of extreme disrepair as the ground had subsided in one corner. It was full of water in the corner with the metal containment twisted and bent. The site has a fence, but it is in such poor condition it is no longer a barrier to public access. It is found next to the school, 300 feet from the Kealavik River, and 550 feet from the Ninglick River which is eroding at 42 feet a year per the BEA study.



- **Old BIA School, 60.939193/-164.63042 (Active)** – This former Bureau of Indian Affairs (BIA) school site is a Brownfield site under the Contaminated Sites Program (File ID 2434.57.001). It includes the former school building, water well, a warehouse and a former tank farm with five large upright tanks. There are also two generators in the warehouse. A Brownfield Assessment was conducted on the site in 2009. Contaminated soil has been found around the school building and old tank farm. The site is 300 feet from the Kealavik River and 1,500 feet from the Ninglick River, which is eroding at 42 feet a year per the BEA study.



- **TC/IGAP Tank, 60.94172/-164.63415 (Abandoned)** – This site includes a single horizontal tank jointly owned by the tribal council and the Indian General Assistance Program (IGAP) sitting on a black tarp. The black tarp could function as secondary containment, but is set in a way where any leak would run off onto the ground. The tank was reported as not in use and possibly empty. This site is found 150 feet from the Kealavik River.



- **Toms Store Tanks, 60.940574/-164.630361 (Active)** – This site, owned by Toms Store LLC, is located 450 feet north of the old BIA school. It includes seven tanks, two of which were double-walled. No fence or lining was in place for any of the tanks. Sheen and distressed vegetation was observed at the site. The Kealavik River, the nearest source of erosion, is 2 feet from the closest tank and 30 feet from the farthest tanks.



- **UPC Generator Building, 60.937884/-164.63104 (Active)** – This site is owned by Ungusraq Power Company (UPC) and is a generator building that provides electricity for the community. Blackened soil and dead vegetation was observed around drums at the site. The building is actually being supported on one corner by one of the four drums. There was also a sheen noted in water in the surrounding area. The site is 600 feet from the Kealavik River and 1,100 feet from the Ninglick River which is eroding at 42 feet a year per the BEA study.



- **UTC Tanks, 60.941922/-164.634327 (Active)** – This site, owned by Ungusraq Tribal Council (UTC), includes five vertical tanks within secondary containment. The site is built up on a slight elevation and is within a black tarp that acts as the secondary containment. It is 105 feet from the Kealavik River.

