



Alaska Department Environmental Conservation (ADEC) Solid Waste Program (Trisha Bower, Sandra Woods, and Rebecca Colvin) conducted a Coastal Impact Assistance Program (CIAP), Waste Erosion Assessment and Review (WEAR) site visit for the Village of Shaktoolik, September 14th, 2012. Jolene Auliye, IGAP Coordinator and Edgar Jackson Jr., Landfill Operator helped coordinate our visit. The following narrative is a brief description of our findings during the September inspection.

WEAR Sites

- **ADOT & PF Airport Building, 64.36598/-161.215839 (Closed)** – The ADOT&PF Airport Building is a closed Contaminated Site (File ID 620.38.001). The gravel and underlying soil beneath the concrete slab foundation is contaminated. As the contamination is completely covered by the existing building, the site is considered closed unless new information becomes available that indicates the contamination may pose a threat to human health or the environment. This site is located between 2 water bodies, approximately 500 feet from the Norton Sound and 1,050 feet from Shaktoolik Bay. It was reported the beach experiences considerable erosion during storm surges. The community has an evacuation road in the event of a severe storm.



➤ **Landfill, 64.344206/-161.176747 (Active)** — The landfill is a fenced trench and fill landfill and was constructed within the last 5 years. There is currently a part-time Landfill Operator to manage the landfill and so there is adequate waste separation and diversion. There is a voluntary collection program in Shaktoolik, but the majority of the community’s waste is brought to the landfill by self-haulers. The current IGAP Program staff collect and recycle/backhaul fluorescent lights, aluminum cans, used oil, household batteries, lead acid batteries, and scrap metal diverting it from the landfill. Shaktoolik has successfully backhauled over 15 shipping vans full of scrap metal out of the community over the past 2 years and is planning to continue this program in 2013. This site is located between two water bodies: the Norton Sound is approximately 65 feet to the west and the Tagoomenik River is approximately 275 feet to the east.



- **Tank Farm, 64.350809/ -161.188927 (Active)** – The current tank farm is located approximately 500 feet from the Norton Sound and .528 feet from Shaktoolik Bay. It consists of 8 vertical, diesel tanks (capacity less than 10,000 gallons each) and 1 horizontal, diesel tank (9,765 gallons). The site is within a lined, earthen berm. The US Army Corps of Engineers 2009 study Alaska Baseline Erosion Assessment stated driftwood was deposited only a few feet from this site after a 2005 storm.



- **Fish Processing Plant, 64.375561/-161.222491 (Abandoned)** – An abandoned fish processing plant is located 10 feet from the Shaktoolik Bay and is actively eroding into the river. The building has been stripped of any metal of value and interior components so that only the structure remains. The building should be removed as it is a navigation hazard and could impact subsistence gathering.



- **Closed Landfill, 64.361536/-161.210919 (Closed)** – The closed Shaktoolik landfill operated for over 10 years and received municipal solid waste, special wastes, and construction and demolition wastes. This landfill was closed and covered with gravel and sand within the last 5 years. The closed landfill is adequately vegetated. The Norton Sound is approximately 35 feet to the west and Shaktoolik Bay is approximately 1,475 feet east of the closed Shaktoolik landfill.

