

CIAP WEAR Trip Report
Kongiganak (population 456)
July 9, 2013



Alaska Department of 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 Kongiganak on July 9th, 2013. Roland Andrew, Tribal Coordinator, and Dalores Lozano, Environmental Coordinator participated in the site visit. The following narrative is a brief description of our findings during the July inspection.

WEAR Sites

- **Landfill, 59.964824/-162.915424 (Active)** – The Kongiganak Landfill is roughly 9 acres in size and is located .7 miles directly northwest of the village. The site is managed on an “as needed” basis and is only partially fenced. No equipment is available in the village to maintain the site. The Village does not control access to the site, there are no restrictions as to what is thrown away, and residents only option is to self-haul waste to the landfill. Waste is disposed of along an elevated boardwalk that accesses the center of the landfill. The end of the boardwalk is partially collapsed due to improper disposal. There are no operations in place to reduce the volume of waste at the landfill. It has a newer Tok burn unit designed for burning household waste; however, the unit did not appear to have been used in some time. It was observed that electronic equipment, lead-acid batteries, unlabeled barrels, and other household hazardous wastes were disposed of in the landfill at the time of the July inspection. It is 265 feet from the Kongnignanohk River.



- **Tank Farm, 59.961212/-162.884781 (Active)** – The Kongiganak tank farm has a bulk storage built in 2003. This tank farm is a cooperative effort between the Qemirtalek Coast Corporation (QCC), the Kongiganak Traditional Council (KTC), the Lower Kuskokwim School District (LKSD) and the Alaska Energy Authority. QCC is the manager and operator for the tank farm. A welded steel platform on pilings, elevated about four feet above the tundra supports the site. The total area of the site is 7,700 square feet and includes 7 vertical tanks and one horizontal tank with a total capacity of 348,000 gallons. A steel dike wall, three feet high surrounds the tank farm at the perimeter. All tanks are a single wall, welded steel construction. It is located approximately 800 feet from the Kongnignanohk River. The Army Corps of Engineers 2009 Baseline Erosion Assessment (BEA) lists this section of river eroding at 3.8 feet per year. A gravel revetment has been installed along the eastern shore of the riverbank starting just south of the barge landing.



- **Qemirtalek Coast Corp Tank Farm, 59.963421/-162.886607 (Active)** – This is a former Qemirtalek Coast Corporation tank farm which has not been in use since the new tank farm constructed in 2003. It is a known Contaminated Site (File ID 2454.38.002) due to petroleum contamination. There are around 24 tanks with the largest tanks around 18,000 gallons. Most have been moved here from other locations throughout Kongiganak. All were reported to be emptied. Estimated age of the tanks is from the 1970's. This site is 775 feet northwest of the new tank farm and less than 300 feet from the Kongnignanohk River. The river at this bend is reported to erode at 1.5 feet a year per the BEA study.

