



Alaska Department of Environmental Conservation (ADEC) Solid Waste Program (Kym Bronson and Kit Persson) conducted a Coastal Impact Assistance Program (CIAP), Waste Erosion Assessment and Review (WEAR) site visit for Shageluk on September 11th, 2013. Robert Demientieff, maintenance for the city, and Anna Benjamin, Shageluk Tribal Council Administrative Assistant, participated on the site visit. The following narrative is a brief description of our findings during the September inspection.

WEAR Sites

- **Landfill, 62.647314/-159.525761 (Active)** – This site is a self-haul landfill. The site is approximately 1.3 acres with waste primarily clustered near the entrance, located at the northwest corner of the site. The accumulated waste is cleared away from the entrance and consolidated periodically. Waste is open burned on the ground in the winter months only, due to wildfire risk in the summer. The fence around the site is in need of repair, with the gate left open for unrestricted access. It has been in operation since around 1985. This site is high on a hill outside the flood plain and is over 3,000 feet from the Innoko River.



- **AVEC Tank Farm, 62.658069/-159.532737 (Active)** –This active tank farm contains 6 single wall diesel tanks with a total capacity of 57,066 gallons. They are located on pallets within a lined earthen berm, and the site is unfenced and accessible to the public. There are 6 used transformers and approximately 13 drums, contents unknown, located near the tanks. Site is located 85 feet from Hamilton Slough which flows into the Innoko River.



- **Boneyard, 62.654233/-159.533886 (Active)** – The gravel pit is the storage site for junk vehicles, white goods, various 55 gallon drums, old heavy equipment, and scrap metal. Some of the junked vehicles were submerged in mud. There is a pile of soil, possibly contaminated, on a liner near the entrance of the gravel pit. This site is located directly south of the school. It occupies 0.4 acres and is located 313 feet to the bank of the Innoko River.



- **School Tank Farm, 62.654778/-159.534288 (Active)** – This tank farm supplies the nearby Innoko River School and is owned by the Iditarod Area School District. There are 8 fuel tanks on wooden pallets on a liner within an earthen containment berm. There was vegetation and moss on the liner, which was in poor condition. The tank farm is located approximately 100 feet from the Innoko River.



- **Zho-Tse Corporation Tank Farm, 62.655038/-159.534417 (Active)** – This tank farm has multiple horizontal fuel tanks: 3 large tanks, 3 medium tanks, and 2 small tanks. All are located in a lined earthen berm. However, the liner is in very poor condition with sand and vegetation growing in it. This tank farm also functions as the community gas station. It is located about 40 feet from an eroding bank of the Innoko River.



- **City Tank Farm, 62.657605/-159.534266 (Active)** – This is an active Contaminated Site (File ID 2446.38.001) due to historic fuel spills, two in 1994 and one in 1995. The Contaminated Site database states 35 drums of contaminated soil were reportedly taken to the landfill in 1994. However, there were approximately this number of drums on site with alders growing from soil in the drums. The tanks are owned by the City of Shageluk, but most appeared to be inactive. There are three grey fuel tanks in a lined earthen berm that contained several inches of water. Approximately 130 feet south were two additional tanks (red and grey) that were also in a lined earthen berm. Additionally the site includes an old fire truck and a dilapidated shed filled with paint, corrosives, lead acid batteries, fluorescent lights, and flammable pressurized gases. The site also contains 120-150 empty, black plastic 55 gallon drums, all previously filled with salt water/brine that were removed from a “freezer building” around 2000. The drums acted as insulation to keep food cold all year long, in the days before electrical refrigeration had arrived in the village. There are also large chunks of building insulation, from the freezer building. It is located a little over 10 feet to the bank of the Innoko River. The grey and red tanks are approximately 5 feet from the Innoko River, on a bank that shows signs of erosion and the other tanks are approximately 10 feet from the Innoko River.

