

CIAP WEAR Trip Report  
Eek (population 308)  
June 20, 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 Eek on June 20<sup>th</sup>, 2013. Janet McIntyre, IGAP Coordinator, participated in the site visit. The following narrative is a brief description of our findings during the June inspection.

**WEAR Sites**

**Landfill, 60.212711/-162.027872 (Active)** – The Eek Landfill is roughly 3 acres in size and is located 0.14 miles from the village of Eek. The site is unpermitted and managed on an “as needed” basis by the City of Eek. This current site is scheduled to be closed and replaced with a new engineered landfill the summer of 2014. Waste is spread throughout the site with no clear working face or distinction between the active and inactive disposal areas. Self-haul users must walk through exposed waste to reach the disposal area. The landfill has two separate areas designated for summer and winter disposal of household waste. Summer disposal is located on comparatively dry ground along the bank of a large tundra pond, and the winter disposal site is in the tundra pond. Observations at the June inspection indicated that disposal of household waste in the winter is on the frozen tundra pond within the boundaries of the landfill. This waste is piled on the ice, burned, and then allowed to sink into the pond in the spring. A newer Summit burn unit designed for burning household waste was on site and appeared functional. The unit however, was full of unburned garbage and did not appear to have been used for some time. It was observed that electronic equipment, lead-acid batteries, unlabeled barrels, and other household hazardous wastes were disposed of in the landfill. The current landfill is located almost half a mile south of the Eek River.





- **AVEC Tank Farm, 60.218524/-162.030179 (Active)** – This 3400 square foot tank farm is located approximately 630 feet from the barge landing and 400 feet from the Eek River. The site serves as the fuel source for the power utility operated by AVEC. There are nine diesel tanks at the site ranging in size from approximately 7500 gallons to over 9700 gallons. Total capacity of the site is 65,116 gallons of diesel. The tanks are resting on timbers with no fence surrounding the facility. There is no secondary containment around the tanks. A yellow liner has been placed under some of the tanks, which would not contain a large spill. A tenth tank stands alone 15 yards to the west of the tank farm. This tank did not appear to be in service. Sandbags were staged at the site, possibly for a future berm around the facility.



- **Eek Corporation Tank Farm, 60.219961/-162.032831 (Active)** – This 3600 square foot tank farm site is owned by the Village Corporation – Iqfijouaq Company for the storage, supply and dispensing of gasoline and heating fuel to the village residents. The tank farm consists of six vertical and four horizontal welded steel, single wall tanks. All tanks are supported by a sturdy timber foundation. The facility is reportedly lined, but there was a lot of vegetation on the liner, prohibiting a closer inspection. The site was bermed and fenced. The tank sizes range from 5,100 gallons to 19,900 gallons. The total capacity of the tank farm is 78,400 gallons. The tank farm is located approximately 80 feet from the Eek River.





- **School Tanks, 60.215447/-162.025043 (Active)** – Lower Kuskokwim School District operates a tank farm adjacent to the school for the storage and supply of heating fuel for the various buildings on the school grounds. There are three tanks of various sizes that were double-walled. The largest tank has a capacity of 30,000 gallons. Two of the tanks were not within a fenced enclosure at the time of inspection. The medium sized tank was in a locked fenced area directly behind the school. These tanks are new since around 2010 and feature double walled construction. Thermo-coolers were installed around the tanks to prevent melting of the permafrost under the tanks. Work was still being completed on the boardwalks connecting the tanks to the school. This tank farm is located approximately 700 feet from the Eek River.



- **Washeteria Tanks, 60.215389/-162.022390 (Active)** – The City of Eek owns and operates a 3040 square foot tank farm located next to the Eek Washeteria. This site serves as fuel storage and supply for the Washeteria and houses two tanks (8,200 gallon each) with a total capacity of approximately 16,400 gallons of diesel within the fenced perimeter. The tank farm installation was unknown, but was thought to be built in the late 1990's. The tanks are double walled and there were no berms around the perimeter. Thermo-coolers were installed around the perimeter of the site to prevent the permafrost from melting. A large water tank also sits within the fenced site. The site is approximately a quarter mile from the Eek River.

