



Alaska Department of Environmental Conservation (ADEC) Solid Waste Program (Trisha Bower and Rebecca Colvin) conducted a Coastal Impact Assistance Program (CIAP), Waste Erosion Assessment and Review (WEAR) site visit for Savoonga on September 24th, 2013. Myron Kingeekuk, Mayor, participated in the site visit. The following narrative is a brief description of our findings during the September inspection.

WEAR Sites

- **Landfill, 63.683157/-170.444101 (Active)** – This unpermitted Class III landfill is located over 1 mile east of the community along a maintained gravel road. It has been in operation for over 20 years by the City of Savoonga and is nearing capacity. It accepts municipal and construction and demolition debris. At the time of the inspection, there was a large amount of uncovered construction and demolition debris from ongoing community improvement projects. The debris was also lining the side of the road for at least half a mile. It was reported they consolidate and compact waste at least annually. The landfill is approximately 0.6 miles from the Bering Sea.



- **Native Store Tank Farm, 63.696083/-170.475125 (Active)** – This former tank farm is an active site with the Contaminated Sites Program (File ID 670.38.001) due to petroleum contamination from multiple spills dating back to 1982. This tank farm was originally owned by the Bureau of Indian Affairs (BIA) for the old BIA school. At an unknown date, the tank farm was turned over to the Native Village of Savoonga and it was operated by the ANICA native store. The site also includes a tank farm that is located across the street and adjacent to the water plant. The tank farms consisted of up to 33 vertical, single walled diesel tanks. The tanks from both sites were recently removed, cut-up and taken to landfill. They had been enclosed in lined, wooden secondary containment. The remaining wooden structures and pallets were in the process of being removed during our site visit. The old BIA school near this site was also in the process of being demolished during the visit. The main tank farm was located approximately 210 feet from the Bering Sea, which is reported as eroding at 2 feet per year in the Army Corps of Engineers *2009 Baseline Erosion Assessment (BEA)* study.



- **AVEC Tank Farm, 63.695089/-170.474902 (Active)** – This tank farm is owned by AVEC and pipes diesel through underground lines to the power plant across the street for power generation for the community. This tank farm was upgraded through a Denali Commission project in 2005. It consists of 8 - 12,000 gallon horizontal tanks that store diesel in lined cells. There has been a tank farm in this location since before 1980. It is located approximately 450 feet from the Bering Sea.



- **ANICA Store Tank Farm, 63.694736/-170.475130 (Active)** – This tank farm is owned by the Native Village of Savoonga and is operated by the ANICA store. It contains 11 fuel tanks storing gasoline and diesel. It was constructed in the 1990s and is adjacent to the AVEC tank farm on the south side. The site is fully fenced and locked in a raised earthen berm. A large L-shaped wall was built around the southeast corner to prevent erosion of the gravel pad from a local creek. It was reported the small creek swelled to 50-60 feet wide during breakup. The tank farm is approximately 570 feet from the Bering Sea, which the BEA study lists as eroding at 2 feet per year.



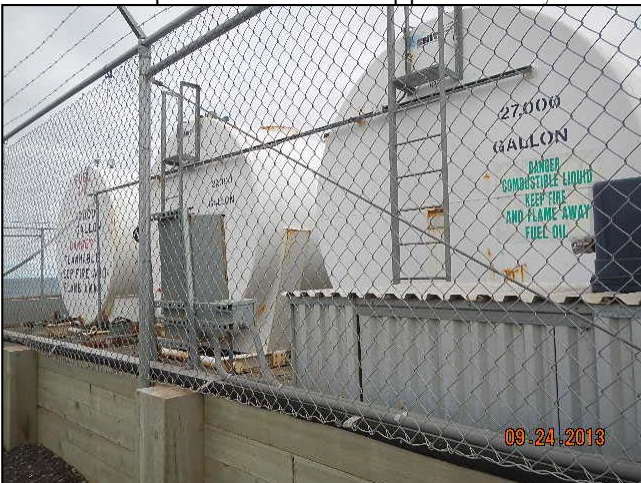
- **AKARNG FSA, 63.695322/-170.482423 (Active)** – This former Alaska Army National Guard (AKARNG) armory building is an active Contaminated Site (File ID 670.38.002) due to petroleum contamination. There were two horizontal diesel tanks at the entrance of the armory with a total capacity of 4,600 gallons. One horizontal tank, of unknown capacity and contents, was connected to the attached armory housing unit. All of the tanks were severely rusted. There was severe ground shift causing the armory building to no longer be resting on the supporting structures. The site is located approximately 370 feet from the Bering Sea, which is eroding at 2 feet per year according to the BEA study.



- **ADOT&PF SREB Old, 63.694962/-170.482826 (Active)** – This is an active Contaminated Site (File ID 670.38.004) due to petroleum contamination. The site name is listed under *ADOT&PF SREB – Savoonga Airport (Old)* in the Contaminated Sites database. This building was used by the Alaska Department of Transportation (ADOT) as a snow removal equipment building (SREB) until 1996 when a new one was constructed closer to the airport. The building is now used by the IRA Council for heavy equipment storage. The building has a gravel floor which is listed as having numerous stained areas. In 2009 and 2010, 216 cubic yards of contaminated soil was removed from the site and spread on the airport apron. The site is approximately 500 feet from the Bering Sea which is eroding at 2 feet a year per the BEA study.



- **School Tank Farm, 63.692826/-170.490516 (Active)** – This tank farm was constructed around 2008 with the new school on the southwest corner of the community. It is owned by the Bering Strait School District. It consists of 3 diesel tanks with a total capacity of 84,000 gallons. They are in a lined wooden diked containment that is fully fenced and inaccessible to the public. The site is approximately 840 feet from the Bering Sea.



- **1980s Landfill, 63.691035/-170.496237 (Retired)** – This is a historic landfill that was used by the community around the 1980s. It is located less than a quarter mile from the new school. The site was fully covered with local gravel and no waste was visible during the inspection. Old, broken heavy equipment is abandoned adjacent to this site. It is approximately 800 feet from the Bering Sea.



- **School District Tank, 63.696070/-170.474466 (Active)** – This one 27,000 gallon tank is reported to be owned by the Bering Strait School District and is on the northeast end of the community. It is in a lined, wooden structure that is fully fenced. It is 30 feet from the deconstructed Old BIA School Tank Farm and approximately 260 feet from the Bering Sea, which is eroding at 2 feet per year per the BEA study.

