



Alaska Department 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 the Village of Gambell, September 10th, 2012. This community was revisited on August 13th, 2014, where we reviewed some sites and added additional WEAR sites. The following narrative has been revised to reflect the 2012 and 2014 site visits.

WEAR Sites

- **AKARNG Federal Scout Armory, 63.778398/ -171.730346 (Active)** –The AKARNG Federal Scout Armory is an active Contaminated Site (File ID 660.38.007). There have been up to 4 potential fuel spills at this site since its inception in 1970. It has 2 horizontal fuel tanks adjacent to the buildings. The site is located in town and both Armory buildings house the IRA Tribal Office. The Bering Sea is located approximately 1,584 feet west and 2,112 feet north of the Armory. Photos from 2012.



- **West Landfill, 63.782809/-171.736778 (Active)** — This unpermitted site is an unfenced area fill that is owned by the City of Gambell. There is not a Landfill Operator, and the site is managed on an as-needed basis. Residents self-haul waste to the landfill as there is no collection program. The landfill receives honeybucket waste, but it is not managed properly and is comingled with other waste. Open burning is conducted at the landfill, but there is some waste separation through the IGAP Program that started in 2013. The landfill is located on a gravel beach on the northwest corner of the island. Storm surges were reported to reach the landfill. The Bering Sea is located approximately 150 feet west and 100 feet north away.

2012 Photos



2014 Photos



- **East Landfill, 63.783261/-171.730195 (Closed)** – This closed landfill operated from the 1970s to around 2008 when it was closed and covered with gravel. It received municipal solid waste, special wastes, and military wastes. It is located on the northwest corner of the island, directly east of the sewage lagoon. This site was completely covered and matched the surrounding gravel terrain during the 2012 visit. During the 2014 visit, storm surges had exposed the north side of the landfill in an inward bow. There were rusted vehicles exposed to the elements. Locals were concerned more waste would be exposed by future storms. The Bering Sea is approximately 120 feet north of the closed landfill.

2012 Photos



2014 Photos



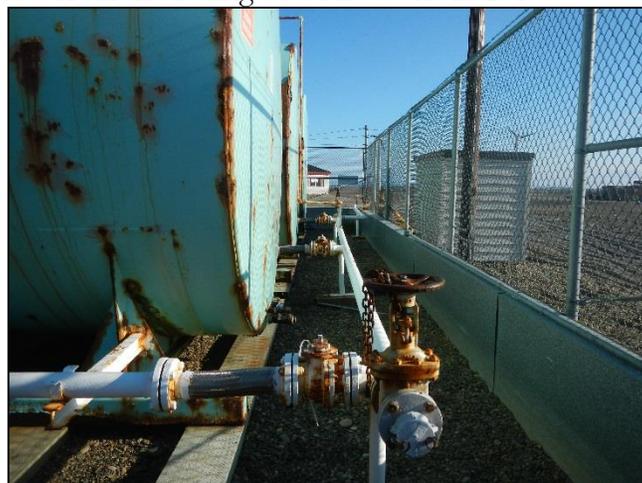
- **IHS Gambell Clinic, 63.778371/ -171.735371 (Active)** – The IHS Gambell Clinic is an active Contaminated Site (File ID 660.38.005). The site contains a 1,500 gallon partially buried, diesel heating oil tank which was overfilled and resulted in a small to moderate fuel spill. The gravel and underlying soil is known to be contaminated with petroleum products. This site is located approximately 1,056 feet from the Bering Sea near the west beach. Erosion is occurring on the north beach according to local observations and traditional knowledge. Local residents reported that gravel is being removed from the north beach is being deposited elsewhere on the island. The IHS Gambell Clinic was demolished and removed, but the polluted soil and tank were not excavated and remain at the site. Photos from 2012.



- **IRA Tank Farm, 63.778987/-171.731993 (Active)** – The tank farm is owned and operated by the Gambell IRA Council. It contains of 12 horizontal tanks within bermed secondary containment. Per imagery review, it appears to have been built around 1996. This tank farm is located approximately 3696 feet west and 2640 feet north from the Bering Sea and approximately 528 feet from Troutman Lake. Photos from 2012.



- **School Tank Farm, 63.776410/-171.714763 (Active)** – This tank farm is owned and operated by the Bering Straits School District. It contains 3 horizontal fuel tanks within a fully fenced secondary containment wall. There have been school tanks in this location since the 1970s. The site is located 50 feet east of the school and is 2,390 feet from the Bering Sea. Photos from 2014.



- **AVEC Tank Farm, 63.777096/-171.710946 (Active)** – This tank farm is owned and operated by AVEC to supply diesel to the power plant for the community. It has been in operation since the 1990s. It was upgraded and expanded through a Denali Commission project in 2006, which moved its location 120 feet east of the original location. It includes 9 horizontal fuel tanks within secondary containment with a total capacity of 240,900 gallons. The fenced tank farm is within a second fence that surrounds the tank farm, old tank farm location, and power plant. It is located east of the school and is 1,900 feet from the Bering Sea. Photos from 2014.

