

CIAP WEAR Trip Report
Koyuk (population 342)
September 26, 2013 and August 12, 2014



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 Koyuk on September 26th, 2013. Tracey Kimoktoak, City Administrator, participated in the site visit. A follow-up visit was conducted on August 12, 2014 by Trisha Bower, Rebecca Colvin and Jacob Timmons. The following narrative is a brief description of our findings during the inspections.

WEAR Sites

- **Old AVEC Tank Farm, 64.931028/-161.159092 (Active)** – This former tank farm was operated by AVEC from around 1969 – 2005 until the construction of the new tank farm. It is an active Contaminated Site (File ID 610.57.001) due to petroleum contamination. The tanks and other associated buildings were removed from the site in 2012, and a Phase I Assessment was completed in February 2013. As of this site visit, the site was fully fenced; however the fence had fallen down and was accessible from the adjacent preschool building. There was a large pond of water in the remaining liner, but it had dried up by the 2014 visit. No visible changes occurred between the visits except for heavier vegetation growth. It is located 270 feet from the Koyuk River.

2013 Photos



2014 Photos



- **Landfill, 64.929877/-161.188885 (Active)** – This Class III landfill was constructed around 1995 and is located more than half a mile east of the community along a maintained gravel road. It is operated by the City of Koyuk as an area fill landfill that accepts municipal waste and construction and demolition debris. A homemade burn unit is used by two part-time operators, who also run a waste collection program with a fee structure. Since the previous inspection in 2011, a large portion of the landfill was consolidated, compacted, and covered. This resolved the leachate problem that was created by water seeping through the exposed waste. A separate, large salvage area is located outside the landfill boundaries that contains metals, white goods, drums and various other materials. A large amount of construction and demolition debris from a housing improvement project was noted in the salvage area in the 2014 inspection. This site was permitted for the first time in 2014. The landfill is located 1,665 feet from the Koyuk River.

2013 Photos



2014 Photos



- **Koyuk Native Corporation Tank Farm, 64.929930/-161.163340 (Active)** – This tank farm is owned by the Koyuk Native Corporation. It has not been in service since 2005 when the new consolidated tank farm was constructed. It is an active Contaminated Site (File ID 610.38.003) due to petroleum contamination. It consisted of three vertical tanks and two horizontal tanks. The three vertical tanks had been removed as of our visit, but the two horizontal tanks remained. The horizontal tanks were situated on black plastic directly on the ground and the plastic was torn in multiple places. This site remained unchanged between the 2013 and 2014 inspections. The site is located 250 feet from the Koyuk River.

2013 Photos



2014 Photos



- **Tank Farm, 64.931867/-161.167939 (Active)** – This consolidated tank farm was constructed in 2005 through a Denali Commission project. It contains tanks for the City of Koyuk, AVEC, and the Bering Strait School District with the Koyuk Native Corporation as the operator. It contains a total of 18 fuel tanks with a total capacity of 83,700 gallons of gasoline and 213,400 gallons of diesel. The site consists of three separate lined wooden cells within a fully fenced and locked area. It is located in an elevated area above the community between the sewage lagoon and the power plant. The Koyuk River is approximately 990 feet south.



- **Old City Tank Farm, 64.931986/-161.164451 (Abandoned)** – This is the location of the former City of Koyuk tank farm. It contained two vertical fuel tanks within an earthen bermed area on the north end of the community. As of our visit, the tanks had been removed, but the plastic liner and wooden boards remained in place. It is 980 feet from the Koyuk River.



- **School Old Tank Farm, 64.932104/-161.159016 (Abandoned)** – This tank farm was owned and operated by the Bering Strait School District. It originally consisted of eight vertical fuel tanks on a raised, lined wooden platform within a fenced area. The wooden platform consisted of boards more than 4 inches in height. At the time of the site visit, the tanks had been removed and some of the wooden platform had been pulled up. The area had such an extreme fuel odor that inspectors had to leave the area. This site also remained unchanged between inspections. A strong fuel odor was still present in the 2014 inspection with sheening in collected water. This site was reported to ADEC Prevention and Emergency Response Program. It is located 30 feet from teacher housing and 145 feet from the school. The Koyuk River is approximately 670 feet to the south.

2013 Photos



2014 Photos

