

**CIAP WEAR Trip Report  
Brevig Mission (population 445)  
September 23, 2013 & September 10, 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 Brevig Mission on September 23<sup>rd</sup>, 2013. Dora Olanna, IGAP Coordinator, and Reuben Adams, IGAP Assistant, participated in the 2013 site visit. This site was revisited on September 10, 2014 by Trisha Bower and Sarah Durand with the assistance of Reuben Adams. The following narrative is a brief description of our findings during the 2013 and 2014 inspections.

**WEAR Sites**

- **2 Mile Southeast Landfill, 65.318187/-166.422873 (Active)** – This fully fenced, area fill landfill began operations in 2004 when the old landfill was closed. It is a permitted facility and is operated by the City of Brevig Mission. It is unusual as it is a fully lined landfill. However being fully lined and no means of draining rain or snow melt, the landfill has developed two large leachate ponds. During the 2014 site visit, it was duly noted of the amount of standing water in the landfill, and ponding now encompasses approximately 60% of the useable space at the landfill. The City is still looking into funding sources to install a drainage system to correct this problem. The landfill accepts municipal and construction and demolition wastes. It also has a separate, wooden bermed, septage trench on the southwest wall of the landfill. White goods and metals are staged near the entrance. Open burning on the ground is conducted at the landfill as the homemade burn units were full. There is a part-time operator. Residents self-haul waste, and there is a collection program available. It is approximately 630 feet from Port Clarence, which connects to the Bering Sea.

**2013 Photos**



**2014 Photos**





2013 Photos



2014 Photos





- **Landfill, 65.327875/-166.465987 (Closed)** – This landfill was constructed around 1987 and closed in 2004 when the 2 Mile Southeast landfill opened. It accepted municipal and construction and demolition wastes and was 1.2 acres in size when closed. It appeared to be adequately closed with a well-vegetated area and no exposed waste. It is located directly south of the runway, approximately 70 feet from Port Clarence.

**2013 Photos**



**2014 Photos**



- **Old Fuel Station, 65.3314549/-166.486545 (Removed)** – This tank farm was in the process of being decommissioned during the 2013 site visit. It consisted of four vertical fuel tanks. The tanks had been removed and the wooden structure was staged to be hauled away. It was approximately 75 feet from Port Clarence.



- **Native Corporation Tank Farm, 65.331367/-166.481097 (Active)** – This tank farm was constructed in 2008 as part of a Denali Commission project. It is operated by the Brevig Mission Native Corporation. It contains a total of eight single-walled fuel tanks within full secondary containment. The storage capacity of the eight tanks is 84,000 gallons of gasoline and 111,000 gallons of diesel. It is approximately 285 feet from Port Clarence.





- **School Tank Farm, 65.332895/-166.486320 (Active)** – This tank farm was upgraded as part of a Denali Commission project. It is owned by the Bering Strait School District. The four, vertical, single-walled tanks were removed and replaced with two 27,000 gallon double-walled, horizontal, diesel tanks. They are within a fully fenced and locked area with geotextile lining for secondary containment. It is approximately 550 feet from Port Clarence.



- **AVEC Tank Farm, 65.331031/-166.480341 (Active)** - This new tank farm was completed in 2009 as part of a Denali Commission project. It supplies fuel to the power plant across the street. It consists of 9 horizontal 27,000 gallon single-wall fuel tanks, for a total storage capacity of 243,000 gallons of diesel. The tank farm is constructed on a gravel pad with a secondary containment liner underneath and is fully fenced and locked. It is approximately 340 feet from Port Clarence.



- **Water Plant Tanks, 65.332795/-166.485193 (Active)** – These tanks were upgraded as part of a 2008 Denali Commission project. They are owned by the City of Brevig Mission and are within two fully fenced and locked areas. There are two double-walled diesel tanks within a fenced area adjacent to the water treatment plant. They are 10,000 and 12,000 gallons respectively. One double-walled 9,600 gallon diesel tank is fenced separately 40 feet north of the other two tanks. The total capacity of the water plant tanks is 31,600 gallons. They are approximately 625 feet from Port Clarence.



- **Washeteria Tank, 65.332432/-166.486770 (Active)** – This tank is located adjacent to the drinking water storage tank and is owned by the City of Brevig Mission. It was upgraded in 2008 through a Denali Commission project. It consists of one 6,000 gallon double-walled horizontal, diesel tank. It is in a fully fenced and locked area. It is approximately 430 feet from Port Clarence.





- **Old Store Tank Farm, 65.332446/-166.487342 (Removed)** – This tank farm was in the process of being decommissioned during the site visit as it was replaced by the new Native Corporation Tank Farm. It consisted of 12 vertical fuel tanks. The tanks had been removed and the wooden structure was being demolished during the 2013 visit. The fuel header and line to the tank farm had also been removed from the tank farm and the beach. At the time of the 2014 site visit, the tanks and structure were removed and soil samples were being taken to test for contaminants. It was approximately 375 feet from Port Clarence.

**2013 Photos**



**2014 Photos**

