



THE STATE
of **ALASKA**
GOVERNOR MICHAEL J. DUNLEAVY

Department of Environmental Conservation

DIVISION OF SPILL PREVENTION AND RESPONSE
Contaminated Sites Program

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File: 21637.38.002.06

May 9, 2019

Robert Johnston
AFCEC/CZOP
10471 20th Street, Suite 347
JBER, AK 99506-2201

Re: **Decision Document: Port Heiden Septic Tank (SS004) – Cleanup Complete Determination**

Dear Mr. Johnston:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the environmental records associated with the Port Heiden Septic Tank (SS004, formerly Area of Concern AOC04 and Septic Tank and Outfall) at the former Port Heiden Radio Relay Station (see Figure 1), Port Heiden, Alaska. Based on the information provided to date, it has been determined that the contaminant concentrations remaining at the site does not pose an unacceptable risk to human health or the environment and no further remedial action will be required unless new information becomes available that indicates an unacceptable risk.

This Cleanup Complete determination is based on the administrative record for Port Heiden SS004 Septic Tank located in the ADEC office in Anchorage, Alaska. This decision letter summarizes the site history, cleanup actions and levels, and standard site closure conditions that apply.

Site Name and Location:

Port Heiden SS004 Septic Tank
56.976823° N lat. -158.656405° W long.
Port Heiden, AK 99549

Name and Mailing Address of Contact Party:

Robert Johnston
AFCEC/CZOP
10471 20th Street Suite 347
JBER, AK 99506-2206

DEC Site Identifiers:

File No.: 2637.38.002.06
Hazard ID.: 188

Regulatory Authority for Determination:

18 AAC 75

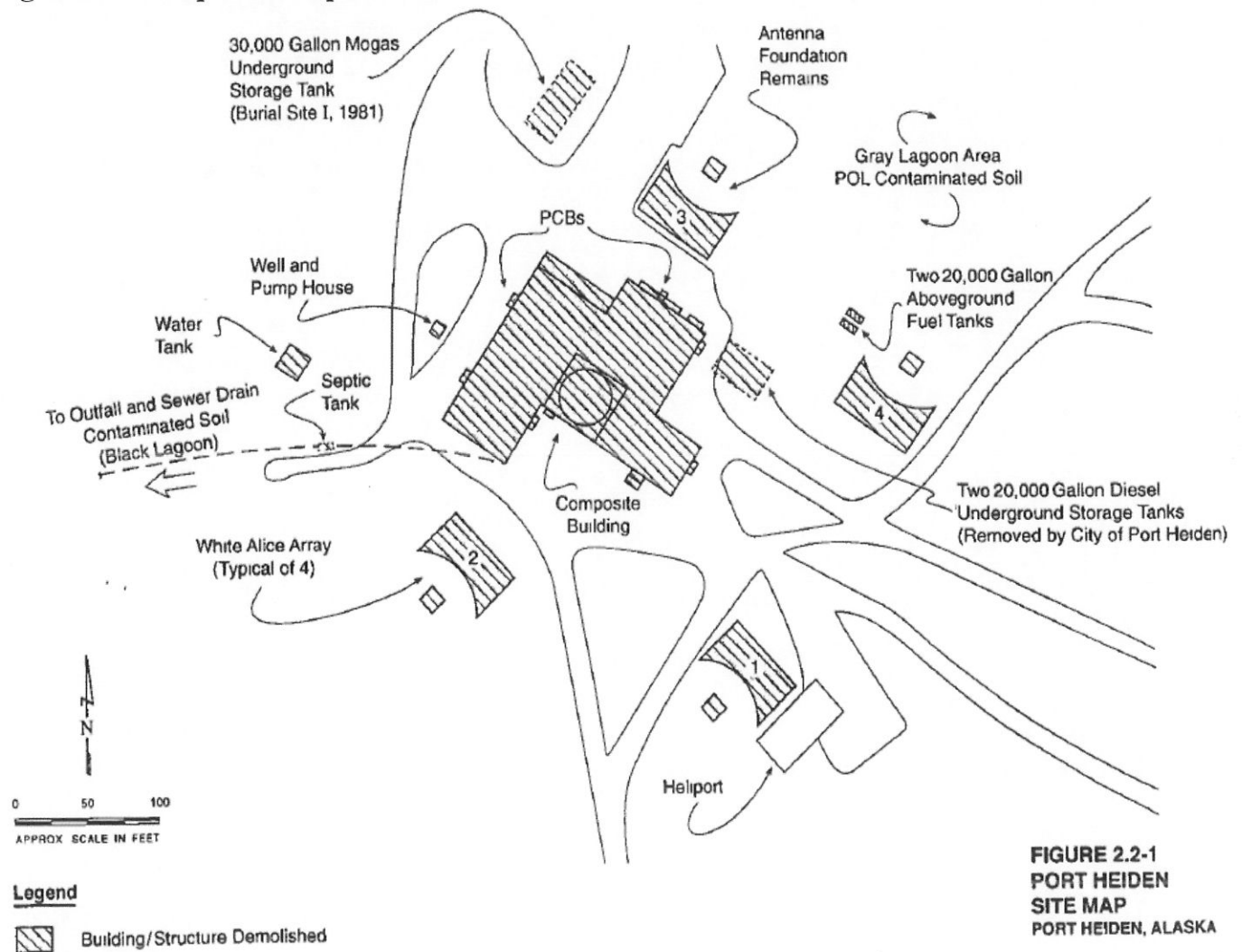
Figure 1 Port Heiden Radio Relay Station (RRS)



Site Description and Background

The Septic Tank was generally located in the southwestern portion of the Port Heiden RSS. Piping from the former composite building ran west to the septic tank, which was approximately 200 feet in length. There are no buildings at the Port Heiden Radio Relay Station. See Figure 2.

Figure 2 Site Map SS004 Septic Tank



Cleanup Levels

Not applicable since no exceedances were identified in soil sampling activities as part of the 1995 Preliminary Assessment and 2011 Site Characterization. .

Characterization and Cleanup Activities

In 1995, the United States Army Corps of Engineers conducted sampling as part of a Preliminary Assessment. One soil sample was collected from the septic tank outfall area and analyzed for diesel range organics (DRO), gasoline range organics (GRO), total petroleum hydrocarbons (TPH), and benzene, toluene, ethylbenzene, and xylenes (BTEX) in the soil samples taken from 6 feet below ground surface (bgs). The detected concentrations were below the most stringent cleanup levels.

In 2010, the Native Village of Port Heiden, through a cooperative agreement with the Corps of Engineers, sampled the sidewalls and the excavation bottom of the septic pipeline excavation (five samples) for DRO/residual range organics, RRO, volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs). Four additional samples were collected from couplings in the 100 feet of septic pipeline excavation and analyzed for DRO/RRO, GRO, VOCs and PCBs. These locations were adjacent to but not in the same exact locations as in the 1995 assessment. Contaminant concentrations from all the soil samples at these two locations were below the most stringent Method Two Table B1 migration to groundwater cleanup levels in 18 AAC 75.341 Groundwater was not sampled since no soil samples exceeded migration to groundwater concentrations.

Cumulative Risk Evaluation

Pursuant to 18 AAC 75.325(g), when detectable contamination remains on-site following a cleanup, a cumulative risk determination must be made that the risk from hazardous substances does not exceed a cumulative carcinogenic risk standard of 1 in 100,000 across all exposure pathways and does not exceed a cumulative non-carcinogenic risk standard at a hazard index of one across all exposure pathways..

Based on a review of the environmental records, ADEC has determined that site conditions at SS004 meet the criteria for residential land use.

Exposure Pathway Evaluation

Table 1 – Exposure Pathway Evaluation for SS004 Septic Tank

Pathway	Result	Explanation
Surface Soil Contact	De Minimis Exposure	Contamination remains in surface soil but is below most stringent cleanup levels.
Sub-Surface Soil Contact	De Minimis Exposure	Contamination remains in subsurface soil but is below most stringent cleanup levels.
Inhalation – Outdoor Air	De Minimis Exposure	Contamination remains in surface soil but is below most stringent inhalation cleanup levels.
Inhalation – Indoor Air (vapor intrusion)	Pathway incomplete	No soil samples above cleanup levels.
Groundwater Ingestion	Pathway incomplete	Not sampled since soil samples did not exceed migration to groundwater cleanup levels.
Surface Water Ingestion	Pathway incomplete	No pathway exists.
Wild and Farmed Foods Ingestion	Pathway incomplete	No soil samples above cleanup levels.
Exposure to Ecological Receptors	Pathway incomplete	No soil samples above cleanup levels.

Notes to Table 1: “De-Minimis Exposure” means that in ADEC’s judgment receptors are unlikely to be adversely affected by the minimal volume or concentration of remaining contamination. “Pathway Incomplete” means that in ADEC’s judgment contamination has no potential to contact receptors.

ADEC Decision

Groundwater at approximately 45 to 50 feet below ground surface is not impacted. The land use at this site is currently suitable for residential use. Port Heiden SS004 Septic Tank will receive a “Cleanup Complete” designation in the Contaminated Sites Database, subject to the following standard conditions.

Standard Conditions

1. Any proposal to transport soil or groundwater from a site that is subject to the site cleanup rules or for which a written determination from the department has been made under 18 AAC 75.380(d)(1) that allows contamination to remain at the site above method two soil cleanup levels or groundwater cleanup levels listed in Table C requires DEC approval in accordance with [18 AAC 75.325(i). A “site” [as defined by 18 AAC 75.990 (115)] means an area that is contaminated, including areas contaminated by the migration of hazardous substances from a source area, regardless of property ownership.
2. Movement or use of contaminated material in a manner that results in a violation of 18 AAC 70 water quality standards is prohibited.
3. Groundwater throughout Alaska is protected for use as a water supply for drinking, culinary and food processing, agriculture including irrigation and stock watering, aquaculture, and industrial use. Contaminated site cleanup complete determinations are based on groundwater being considered a potential drinking water source. In the event that groundwater from this site is to be used for other purposes in the future, such as aquaculture, additional testing and treatment may be required to ensure the water is suitable for its intended use.

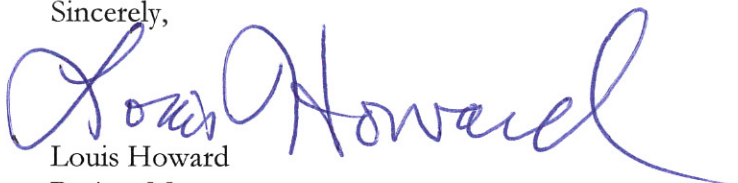
This determination is in accordance with 18 AAC 75.380 and does not preclude ADEC from requiring additional assessment and/or cleanup action if future information indicates that contaminants or site conditions at the Port Heiden SS004 Septic Tank poses an unacceptable risk to human health, safety, or welfare or to the environment.

Appeal

Any person who disagrees with this decision may request an adjudicatory hearing in accordance with 18 AAC 15.195 – 18 AAC 15.340 or an informal review by the Division Director in accordance with 18 AAC 15.185. Informal review requests must be delivered to the Division Director, 555 Cordova Street, Anchorage, Alaska 99501-2617, within 20 days after receiving the department’s decision reviewable under this section. Adjudicatory hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 410 Willoughby Avenue, Suite 303, P.O. Box 111800, Juneau, Alaska 99811-1800, within 30 days after the date of issuance of this letter, or within 30 days after the department issues a final decision under 18 AAC 15.185. If a hearing is not requested within 30 days, the right to appeal is waived.

If you have questions about this closure decision, please feel free to contact me at (907) 269-7552 or email me at louis.howard@alaska.gov.

Sincerely,



Louis Howard
Project Manager