

August 2, 2021

TO: Borough Assembly

FR: Liz Cabrera

RE: Relinquish FAA Site at Frederick Pt.

BACKGROUND:

The FAA site at Frederick Pt is included in the list of municipal land selections. During review of adjacent selections in the area, the AK Dept of Environmental Conservation noted the FAA site is listed on the state's Contaminated Sites database. Per DEC:

One active contaminated site, Hazard ID 1762, is located within the bounds of the Frederick Point parcel (the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 33, Township 58 South, Range 80 East, Copper River Meridian) *. Based on the current information in the DEC file, the contamination at this site is de minimis. Due to the underlying bedrock at the site, the groundwater has not been investigated. The ingestion of contaminated groundwater is considered a future risk at this site. ***If the property is transferred to the Petersburg Borough, they will become a responsible party; they should be made aware of this before the property transfer.***

(* NOTE: The DEC's legal description of the parcel is incorrect.)

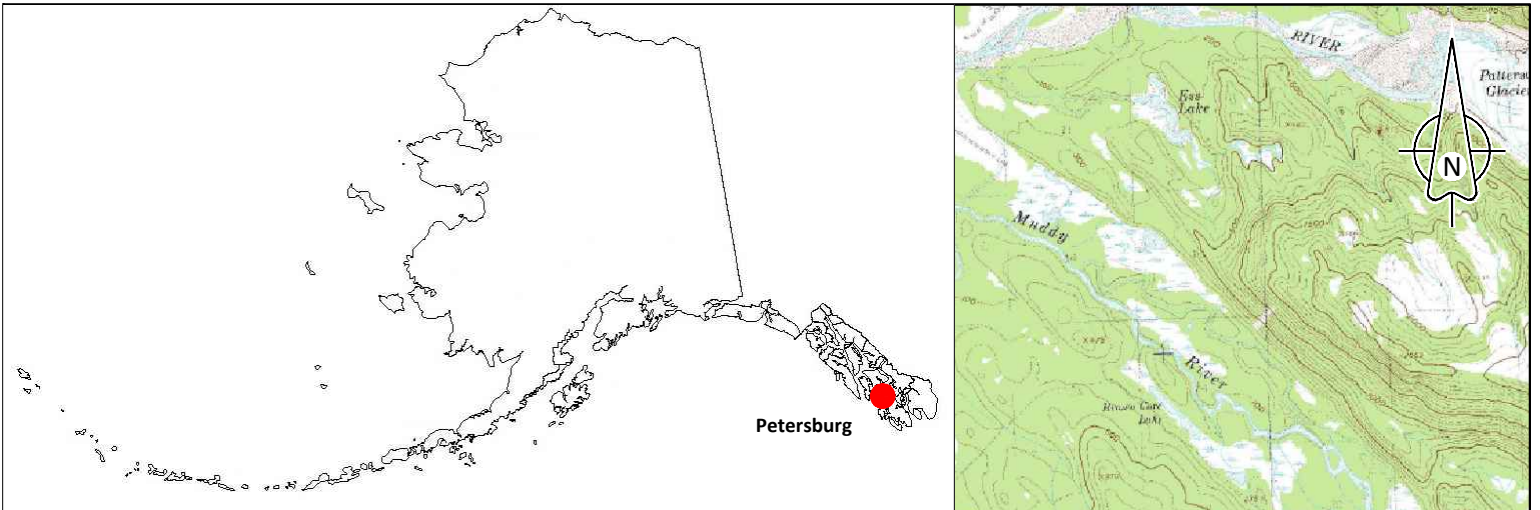
Although contaminated soils were removed on two different occasions, the site remains an active contaminated site because arsenic levels exceed DEC cleanup levels.

DISCUSSION:

The borough should consider relinquishing the 3.5-acre parcel, meaning give up the right to select this parcel as part of its municipal entitlement, and have the DNR retain ownership. Once the parcel is relinquished, the borough cannot select it again.

If the borough relinquishes the parcel prior to the state issuing a Final Findings and Decision (FFD), then the state must accept the parcel. If the borough waits until after the FFD is issued, the state has the option to decline return of the parcel. At this time, the parcel has not yet been adjudicated nor included in a preliminary decision by the DNR.

See attachments.

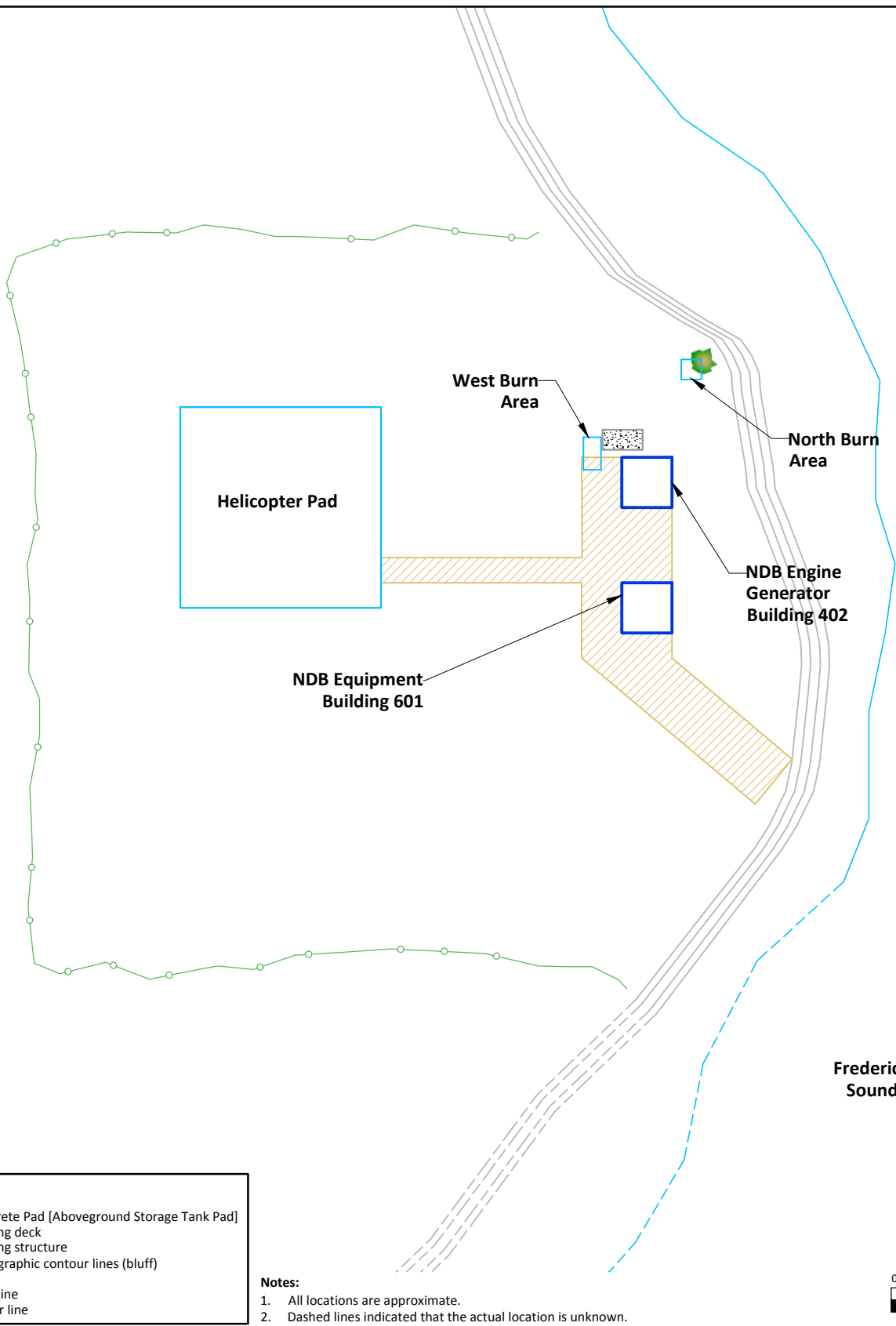
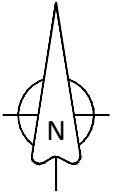


Excavation of Contaminated Soil
 Frederick Point NDB Site near Petersburg, Alaska











State & Site Vicinity Maps

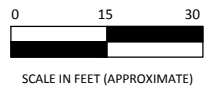
Project Number: 20125.074	Figure Number:
Date: 09.22.2014	1
Drawn By: G.R.	



Key:

-  Area
-  Concrete Pad [Aboveground Storage Tank Pad]
-  Existing deck
-  Existing structure
-  Topographic contour lines (bluff)
-  Tree
-  Tree line
-  Water line

- Notes:**
1. All locations are approximate.
 2. Dashed lines indicated that the actual location is unknown.



**Excavation of Contaminated Soil
Frederick Point NDB Site near Petersburg, Alaska**



Site Plan

Project Number: 20125.074	Figure Number:
Date: 01.08.2015	2
Drawn By: G.R.	

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SITE REPORT: FAA FREDERICK POINT NDB FACILITY

SITE NAME: FAA Frederick Point NDB Facility

ADDRESS: 4.5 Mi. ESE of Petersburg, Frederick Point, Petersburg, AK 99833

FILE
1521.38.011
NUMBER:

HAZARD ID: 1762

STATUS: Active

STAFF: Erin Gleason, 9072697556 erin.gleason@alaska.gov

LATITUDE: 56.792264

LONGITUDE: -132.821219

HORIZONTAL
WGS84
DATUM:

We make every effort to ensure the data presented here is accurate based on the best available information currently on file with DEC. It is therefore subject to change as new information becomes available. We recommend contacting the assigned project staff prior to making decisions based on this information.

Problems/Comments

Near NDB Engine Generator Building 402 at the site, burned oily areas and oil-stained soil patches were noted during site investigation in 1998. Burning treated wood and oil area had elevated petroleum levels, high arsenic(860ppm), and hexavalent chrome. Also samples for TRPH turned up 7,700ppm. FAA removed contaminated soil from the North Burn Area northeast of Building 402 in 1998, in 2012, and in 2014, and from the West Burn Area near the wooden deck near Building 402 in 2012, and, in 2014. Confirmation sample results from the 2014 removal action show arsenic is the only contaminant of concern remaining at the burn areas and the extent is de minimis. Further sampling and excavation in 2017 at the West Burn area and North Burn area. All samples at the West burn area were below ADEC cleanup levels for petroleum contaminants. Samples at the north burn area still exceed ADEC arsenic cleanup levels.

Action Information

ACTION DATE	ACTION	DESCRIPTION	DEC STAFF
4/6/1993	Update or Other Action	(Old R:Base Action Code = SA1 - Phase I Site Assessment (General)). Report covers all associated facilities in the Petersburg area used for air navigation. Most significant is Frederick Point, 4.5 miles east-southeast of Petersburg.	No Longer Assigned
11/1/1993	Preliminary Assessment Approved	Preliminary Assessment Approved this date.	No Longer Assigned
9/22/1994	Site Added to Database	Remote navigational aid facility near Petersburg. Minimal contamination likely, initial tests showed elevated levels of arsenic.	No Longer Assigned
9/22/1994	Update or Other Action	(Old R:Base Action Code = RARR - Remedial Action Report Review (CS)).	No Longer Assigned
11/28/1997	Site Ranked Using the AHRM	Initial ranking.	Sally Schlichting
7/11/2000	Site Ranked Using the AHRM	Changed Population Density Value from 10 to 3, GW Usage Value from 0.4 to 0, SW Usage Value from 0.4 to 0, and Environmental Recreation value from 0 to 2.	No Longer Assigned
1/18/2006	Update or Other Action	Updated CSP Database info for site. At request of FAA, reviewed 1993 and 1998 site work for site closure. 1998 confirmational samples indicate full closure of the site is warranted. PAH issues were noted in 1993 and sampling was not performed in 1998, however confirmational samples were Non-Detect for all other compounds and risk pathways appear to be incomplete. Drafting a closure letter for site.	Mike Jaynes
6/18/2007	Exposure Tracking Model Ranking	ETM ranking	Anne Marie Palmieri

3/30/2012	Report or Workplan Review - Other	Approved work plan for site investigation and cleanup activities at the North Burn Area and the West Burn Area. An estimated ½ cubic yard of contaminated soil will be removed, containerized and transported off site for disposal from each site. Confirmation samples will be collected for benzene, toluene, ethylbenzene, and xylenes (BTEX), diesel and residual range organics (DRO and RRO), polynuclear aromatic hydrocarbons (PAHs), arsenic, chromium, copper, pesticides, and dioxin.	Melody Debenham
11/30/2012	Report or Workplan Review - Other	Approved the final report documenting site investigation and cleanup activities at the North Burn Area and the West Burn Area. Approximately ½ cubic yard of contaminated soil was removed from each site. Confirmation samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), diesel and residual range organics (DRO and RRO), polynuclear aromatic hydrocarbons (PAHs), arsenic, chromium, copper, pesticides, and dioxin. At the North Burn Area, arsenic and chromium remain above the cleanup level. At the West Burn Area, arsenic remains above the cleanup level. Two samples were collected and analyzed for background concentrations of COCs. Arsenic background was 2 mg/kg.	Melody Debenham
5/6/2014	Report or Workplan Review - Other	Received work plan for removal of arsenic and chromium contaminated soil at north burn area and arsenic contaminated soil at west burn area.	Melody Debenham
2/23/2015	Report or Workplan Review - Other	Approved final report describing removal of contaminated soil at two areas of concern. At the north burn area, 0.5 cubic yards of contaminated soil was removed. Samples were analyzed for total chromium and hexavalent chromium. Results indicate that all chromium at the north burn area is trivalent chromium. At the west burn area, approximately 0.25 cubic yards of contaminated soil was	Melody Debenham

		removed. Contaminated soil was transported out of state to an appropriate disposal facility. Confirmation sampling indicates that arsenic remain above the cleanup level, however it is not practicable to remove any additional soil at these sites.	
8/12/2015	Exposure Tracking Model Ranking	A new updated ranking with ETM has been completed for source area 72740 NDB.	Melody Debenham
2/7/2017	Update or Other Action	Evaluate environmental reports and the FAA and DEC communication regarding what remains after the site characterization and remedial cleanup at the site. Contact made with FAA to discuss actions to take this spring while dismantling the facility.	Bruce Wanstall
7/7/2017	Report or Workplan Review - Other	Approved the work plan to remove approximately 1 and a third cubic yards of petroleum and arsenic contaminated soil.	Danielle Duncan
8/4/2017	Update or Other Action	Approve offsite soil transport of several drums of metals contaminated soil to Columbia Ridge.	Sally Schlichting
10/10/2017	Update or Other Action	Staff assigned changed from Sally Schlichting to Erin Gleason	Kathryne Roldan
5/15/2018	Update or Other Action	Received draft 2017 report on 4/17/2018. ADEC has reviewed and requested one revision from FAA via email.	Erin Gleason
6/1/2018	Site Characterization Report Approved	Received revised draft of report from FAA on 6/1/2018.The report is now approved. The FAA removed remaining infrastructure associated with the NDB facility. In addition 0.3 cubic yards (cyd) of arsenic contaminated soil was removed from the north burn area (NBA)and 1 cyd of petroleum contaminated soil was removed from the west burn area (WBA). Three analytical soil samples were collected from the perimeter of the excavation at the NBA and found arsenic of 19 mg/kg, 60 mg/kg, and 160 mg/kg. Excavation at the	Erin Gleason

NBA was inhibited by a large Sitka Spruce tree and its root systems. All soil in the NBA was removed by hand. All other contaminants of concern in the NBA were below method 2 ADEC cleanup levels. Four analytical samples were collected at the WBA and all samples were below ADEC method 2 cleanup levels.

3/15/2019	Exposure Tracking Model Ranking	A new updated ranking with ETM has been completed for source area 72740 NDB.	Erin Gleason
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Contaminant Information

NAME	LEVEL DESCRIPTION	MEDIA	COMMENTS
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Control Type

TYPE	DETAILS
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Requirements

DESCRIPTION	DETAILS
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State of Alaska Department of Environmental Conservation

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 TDD: 800-770-8973

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