



U.S. Army Corps of Engineers, Alaska District

Second Five Year Review and Periodic Review Reports Northeast Cape FUDS St. Lawrence Island, Alaska

April 2022



NORTHEAST CAPE FIVE-YEAR REVIEW AND PERIODIC REVIEW PROCESS

The U.S. Army Corps of Engineers has completed the second five-year review report and two periodic review reports for the Northeast Cape Formerly Used Defense Site (FUDS). The purpose of these reviews was to evaluate the implementation and performance of the selected remedies, and to determine whether these remedies remain protective of human health and the environment. The reviews also made recommendations for improving remedy performance. A public meeting to discuss the findings will be held at Savoonga City Hall. The details for the meeting are provided in the box to the right.

SITE SUMMARY

Environmental concerns at the Northeast Cape FUDS have been divided among 34 sites. In 2009, remedies were selected to address the environmental concerns identified at each site. The selected remedies were documented in two Decision Documents (DD) in 2009.

The second five-year review report and periodic reviews evaluated the implementation and performance of the selected remedies at the Northeast Cape FUDS sites and determined whether these remedies remain protective of human health and the environment. The 34 sites identified as potentially posing environmental concerns at the Northeast Cape FUDS are summarized on the

FOR MORE INFORMATION, CONTACT:

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907-753-2575

PUBLIC MEETING NOTIFICATION

A public meeting will be held Wednesday **April 6, 2022 at 6:00 PM** at Savoonga City Hall to present review findings and planned 2022 field work.

Please join us via teleconference.

Call-In Number: 1 (907) 205-5092
Toll-Free Number: 1 (888) 995-0545
Access Code: 401237989#

following page.

NORTHEAST CAPE FUDS SITES

- Sites 1 and 31 were recommended for No Further Action (NFA) in the first five-year review (2015) because the remedies were complete.
- Site 32 was recommended for NFA in the Second Multiple-Site Periodic Review Report because the remedy was complete.
- The second five-year review concluded the remedies for Sites 21 and 28 were complete with regard to CERCLA contaminants. Site 21 was recommended for NFA because the remedy was complete. Site 28 has residual petroleum-contaminated sediment and will be included in the next periodic review.
- Based on the findings of the Second Multiple-Site Periodic Review Report and Site 7 Cargo Beach Road Landfill Periodic Review Report the remedies at Sites 3, 6, 7, 8, 9, 10, 11, 13, 15, 16, 19, 27, and 28 are not complete.
- Site 30 is not contaminated and was created in order to provide background analytical comparison.
- The remaining 16 sites at Northeast Cape were determined to be NFA in the DD, indicating that no additional action was required.

PROTECTIVENESS DETERMINATIONS

The five-year and periodic review process is used to evaluate the implementation and performance of the remedies for each site. This evaluation is completed by answering the following questions:

- Question A – Is the remedy functioning as intended by the DD?
- Question B – Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives used at the time of the remedy selection still valid?
- Question C – Has any other information come to light that could call into question the protectiveness of the remedy?

One of the key components of a five-year and periodic review is the protectiveness statement, which is determined using the answers to the preceding three questions. Protectiveness determinations for Northeast Cape are:

- **Protective** – Sites 1, 21, 31, and 32 have met their respective remedial action objectives, and the remedies are protective, therefore these sites are recommended for No Further Action. Site 28 (Drainage Basin) has met the remedial action objectives for the site under CERCLA. Residual petroleum contamination remains in sediment at Site 28, which will continue to be addressed and evaluated in future periodic reviews.
- **Will Be Protective** – Sites 3, 6, 7, 8, 9, 10, 11, 13, 15, 16, 19, and 27 will be protective upon full completion of the remedy, which includes the filing of a Deed Notice.
- **Short Term Protective** – The remedy at Site 8 (POL Spill) is protective in the short-term, but Site 8 requires additional action for residual petroleum contamination in order to ensure long-term protectiveness. The remedy at Site 15 (Fuel Pipeline) is protective in the short-term, but Site 15 requires additional action for residual

petroleum contamination in order to ensure long-term protectiveness. Although the remedy at Site 28 (Drainage Basin) is protective under CERCLA and in the short-term, Site 28 requires additional action for residual petroleum contamination in order to ensure long-term protectiveness.

RECOMMENDATIONS AND FOLLOW UP ACTIONS IDENTIFIED IN REVIEWS

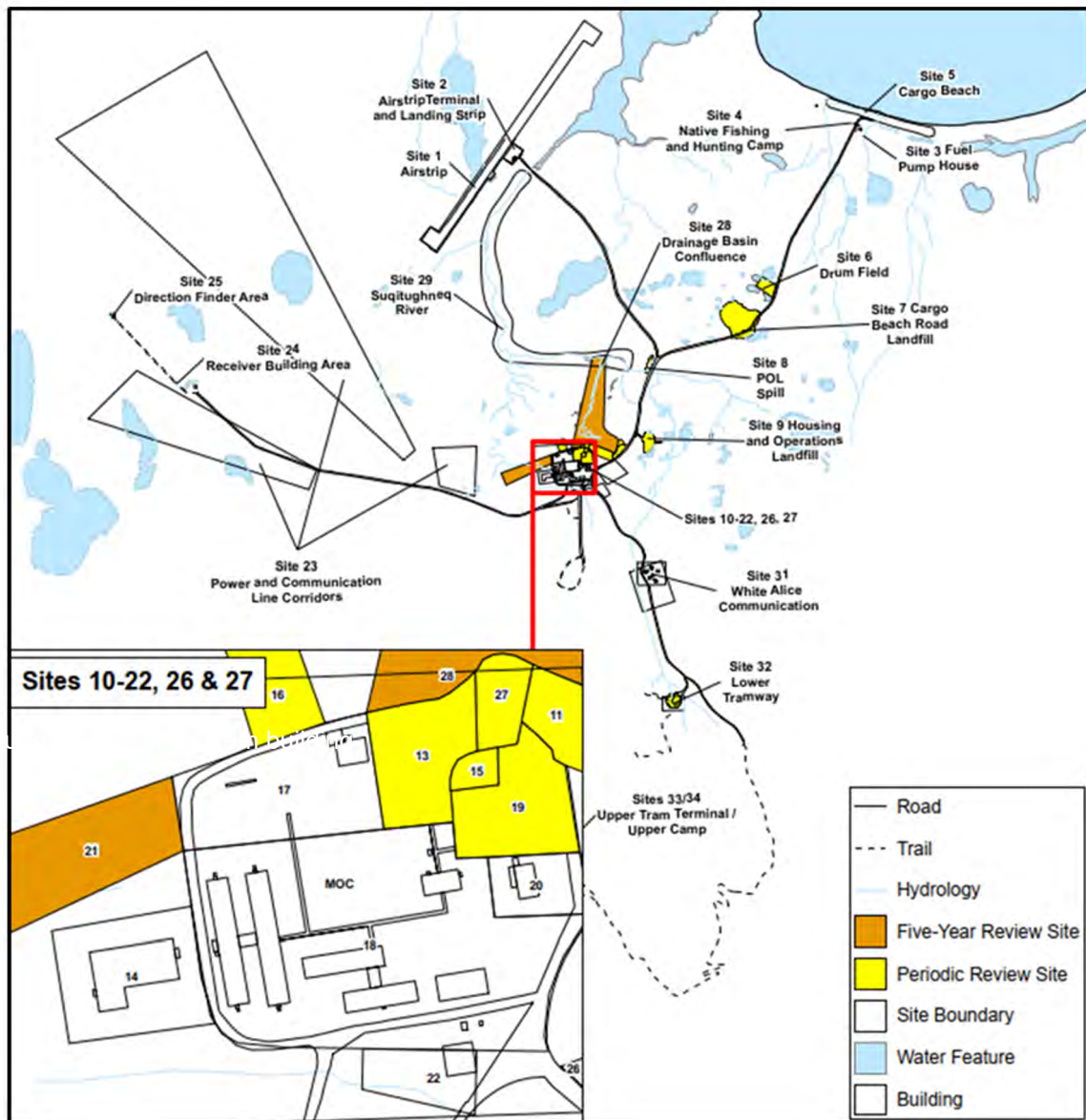
The five-year and periodic reviews were conducted with data available as of August 2019, and September 2020, respectively. Northeast Cape sites designated as NFA in the DDs or previous review period were not included in these reviews. The recommendations and follow-up actions below address issues identified in the reviews affecting current or future protectiveness at the listed sites.

- **Sites 3, 6, 7, 8, 9, 19, 11, 13, 15, 16, 19, 27, and 28** - Complete the implementation of land use controls (LUCs) by filing a Deed Notice anticipated to be in the form of an Environmental Covenant in accordance with the Uniform Environmental Covenants Act (UECA). LUCs at Site 8 should not be implemented until a supplemental soil investigation occurs.
- **Sites 10, 11, 13, 15, 16, 19, and 27** - Conduct maintenance on monitoring wells 14MW05, MW88-1, and MW88-3 and re-survey the top of casing elevations following maintenance. Abandon the partially decommissioned well at MOC Site 19.
- **Site 7** - Conduct maintenance of the landfill gravel cap by adding fill to areas which have settled
- **Site 8** - Complete a supplemental soil investigation to delineate the lateral and vertical extent of soil petroleum contamination east of the 2016 sampling area and revise the location of the historic pipeline spill currently estimated based on 2016 sample data. Evaluate exposure risk and protectiveness as part of the next periodic review.
- **Site 15** - Complete the implementation of the remedy (remove residual diesel range organic contaminated soil above the site-specific cleanup level).
- **Site 28** - Continue remedy implementation (removal of petroleum-contaminated sediment) until cleanup levels are met. Conduct pilot testing to assess if effectiveness of remedy implementation (dredging) can be improved.

FUTURE ACTIVITIES

Future activities include completing the recommendations and follow-up actions outlined above during the 2022 field season.

The complete five-year and periodic review reports are available at the information repositories identified at the conclusion of this document.



Five-Year Review and Periodic Review Sites at the Northeast Cape FUDS

GLOSSARY

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA): A law that provides broad federal authority to respond directly to releases or threatened releases of hazardous substances that may endanger public health or the environment. The Act establishes prohibitions and requirements for closed and abandoned hazardous waste sites, provides for the liability of persons responsible for releases, and enables a trust fund to provide for cleanup when no responsible party can be identified.

Contaminant of Concern: A site-related contaminant that has been determined to pose an unacceptable risk to human health and/or the environment.

Decision Document: A legal document describing the methods selected to protect human health and the environment, and summarizing site information and the chosen remedy.

Land Use Control: An administrative or physical mechanism used to protect human health and the environment by restricting activities at, use of, and/or access to areas with residual contamination.

Northeast Cape Formerly Used Defense Site (FUDS): A military installation located on St. Lawrence Island, Alaska in the western portion of the Bering Sea. It served as an Aircraft Control and Warning Station beginning in 1952 and a White Alice Communications System station beginning in 1954 until those operations were terminated in 1969 and 1972, respectively.

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USACE, ALASKA DISTRICT
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OFFICIAL BUSINESS



INFORMATION REPOSITORIES

**Alaska Resources Library &
Information Services**
University of Alaska Anchorage
Consortium Library
3211 Providence Drive
Anchorage, Alaska 99508
907-272-7547

Savoonga City Hall
Savoonga, Alaska 99769
907-984-6614
Sivuqaq Corporation Building
P.O. Box 101
Gambell, Alaska 99742
907-985-5826

US Army Corps of Engineers Announces Northeast Cape Public Meeting

The U.S. Army Corps of Engineers (USACE), Alaska District announces a public meeting to present the findings of the Second Five-Year Review and Periodic Reviews for the Northeast Cape Formerly Used Defense Site (FUDS) on St. Lawrence Island, and to present proposed 2022 field work. The Five-Year Review addressed cleanup activities regulated under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), while the Periodic Review addressed sites that are solely petroleum contaminated and not regulated by CERCLA.

Environmental concerns at the Northeast Cape FUDS are divided among 34 sites. Remedies to address environmental concerns were documented in two Decision Documents in 2009. The remedies were implemented from 2010-2014. The Five-Year and Periodic Review process evaluates the implementation and performance of the selected remedies and determines whether these remedies remain protective of human health and the environment. The reviews found the following:

Protectiveness Determinations

Protective – Sites 1, 21, 31, and 32 are protective, and therefore are recommended for No Further Action. Site 28 has met the remedial action objectives for the site under CERCLA.

Will Be Protective – Sites 3, 6, 7, 8, 9, 10, 11, 13, 15, 16, 19, and 27 will be protective upon full completion of the remedy, which includes the filing of a Deed Notice.

Short Term Protective – Sites 8, 15, and 28 require additional action related to residual petroleum contamination.

Planned 2022 Field Work

Petroleum-contaminated soil will be further delineated at Site 8. Maintenance and sampling of groundwater wells will be conducted at the former Main Operations Complex. Residual petroleum-contaminated soil will be excavated and removed from Site 15. Dredging will be utilized to remove petroleum-contaminated sediment at Site 28. Roads, land use control signs, and the Site 7 landfill gravel cap will be maintained.

Detailed information concerning the Northeast Cape FUDS cleanup efforts is available at three information repositories:

University of Alaska Anchorage Consortium Library (907) 272-7547

Savoonga City Hall (907) 984-6614

Sivuqaq Corporation Building (907) 985-5826

Public Meeting Notification

A public meeting will be held Wednesday, April 06, 2022 at 6:00 PM at the Savoonga City Hall to present the findings of the Second Five-Year Review, Periodic Reviews, and to present the proposed 2022 field work to address the recommendations made as a result of the reviews. To join via teleconference, call 1 (907) 205-5092, access code: 401237989#

For more information, contact:

**USACE, Alaska District
Andrew C. Sorum
Project Manager
907-753-2575**



Letter of Transmittal

To: Andrew Sorum, USACE
USACE – Alaska District
PO Box 6898
JBER, AK 99506-1518

Date: 03.23.2022
 Contract Number: W911KB20D0002
 Submittal #: 005-002

Project Name: Site 28 Sediment Removal and Various Follow-Up Actions
 Northeast Cape FUDS F10AK0969-03
 Delivery Order: W911KB21F0086

WE ARE SENDING YOU THE FOLLOWING ITEMS:

- Proposal Work Plan Specifications Prints
 Change Order Letter Report Samples
 Other: 1st Public Meeting Notice

Copies	Date	Description
N/A	03/23/22	FINAL Public Meeting Announcement for Nome Nugget
N/A	03/23/22	FINAL Public Meeting Mailer Document

VIA:

- Emailed Mailed Faxed Hand Delivered

FOR THE FOLLOWING REASON(S):

- For Approval Approved as Submitted As Requested Returned for Corrections
 For Your Records Approved as Noted For Review and Comment
 Other _____

REMARKS:

This submittal includes a final public meeting announcement document for the Nome Nugget, and a final public meeting announcement Mailer document.

Signature: *Scotty Mann*
 Scotty Mann, PG
 Project Manager