



**US Army Corps  
of Engineers®**  
Alaska District



**Amaknak Formerly Used Defense Site  
Restoration Advisory Board Meeting**

5:50-6:00 PM Pre-meet and greet, and technology check/ troubleshoot

6:00-8:00 PM

Thursday, May 6, 2021

<https://usacel.webex.com/meet/rena.b.flint>

or Join by Phone:

Teleconference Call: (844) 800-2712

Access Code: 199 212 1820#

**AGENDA**

1. 6:00 – 6:10 Welcome and Introductions

a. Roll Call/ Quorum

<input type="checkbox"/>	Elise Contreras
<input type="checkbox"/>	Alyssa K McDonald
<input type="checkbox"/>	Okalena Patricia Lekanoff Gregory
<input type="checkbox"/>	Virginia Hatfield
<input type="checkbox"/>	Kale Bruner
<input type="checkbox"/>	Jay Edward King
<input type="checkbox"/>	David M Gregory, Community Co-Chair
<input type="checkbox"/>	Rena B Flint, USACE Co-Chair

b. Meeting Goals and Objectives

c. Review Mission

2. 6:10 – 6:15 Revise/ Adopt March 16, 2021 Minutes

3. 6:15 – 6:25 Local Updates/ Community Introductions/ Public Comment

4. 6:25 – 7:30 Deeper Dive into Remaining CON/HTRW Sites

a. Access to Information/ Examples/ Framework

- List of References
- Summary Report



**US Army Corps  
of Engineers®**  
Alaska District



- Admin Record/Information Repository/XDocs
  - How to use ADEC Contaminated Sites Database
  - Default vs. Alternative Cleanup Levels
  - Rough Order of Magnitude Costs and Rough Schedule to Cleanup
  - Annual Schedule and Budget
- b. What does the RAB want their role to be?
  - c. Review 16 Mar Discussion:
    - Port Projects
    - City Projects
    - Residential Areas
    - Tribal Priorities
5. 7:30 – 7:40 Schedule next Meetings
    - a. FY21 Virtual MMRP/ CWM Safety Training (Emergency First Responders, Tribe, and Community Training(s))
      - Is the month of July or August good?
    - b. Schedule next several RAB meetings (Thurs 6-8pm)
      - Evaluate frequency and summer schedules
  6. 7:40 – 7:50 Other Announcements/ Unplanned Items/ Open Discussion
    - a. Recap of Old Business, Identify Next Steps/ New Business
  7. 7:50 – 8:00 Contact Information and Closing Remarks
    - a. Rena Flint, USACE Project Manager  
(907) 753-2680  
[Rena.B.Flint@usace.army.mil](mailto:Rena.B.Flint@usace.army.mil)
    - b. USACE- ALASKA DISTRICT PUBLIC AFFAIRS OFFICE  
(907) 753-2520  
[Public.affairs3@usace.army.mil](mailto:Public.affairs3@usace.army.mil)
  8. 8:00 Adjourn
  9. A Running List of Additional Items/ Potential Next Steps/ Topics for Future Meetings:
    - a. MMRP/ CWM Safety
      - 3Rs Dissemination and Information Collecting



**US Army Corps  
of Engineers®**  
Alaska District



- Plan FY22 In-person Emergency First Responders, Tribe, and Community Training(s)
- RAB Members' Role
- b. Pre-WWII Tank Farm HTRW Project
  - Final GW Use Determination Memo
  - ADEC Determination
  - Institutional Controls
  - Draft Periodic Review
- c. Prioritizing the Remaining CON/HTRW Sites
- d. Project Types
  - 0 BD/ DR
  - 1 HTRW: Pre-WWII Tank Farm
  - 8 CON/ HTRW: Unalaska Valley, Pyramid Valley and Port Levashef, Summer Bay-Humpy Cove, Margaret Bay- Airport, Museum of the Aleutians, Mount Ballyhoo, Ballyhoo Spit, Little South America
  - 1 CWM: Captain's Dock Chem Agent Disposal
  - 1 MMRP: Range Complex No. 1
- e. Non-FUDS and why
  - FUDS Authority
- f. Other closed FUDS Projects
- g. Contaminant Fate and Transport, and Hazardous Materials
- h. Alternative Cleanup Levels - 18 AAC 75 Methods 1-4 Cleanup Levels



**US Army Corps  
of Engineers®**  
Alaska District



## RESOURCES

List of CON/ HTRW References, available at the Unalaska Public Library

1. USACE (U.S. Army Corps of Engineers). 1998. 1996 Interim Removal Action/Investigation Report, Amaknak and Unalaska Islands, Alaska. Final. Prepared by Jacobs Engineering Inc. August. F10AK084103\_02.13\_0001a.
2. USACE. 1999a. 1997 Report, Interim Removal Actions; Site Investigation; Remedial Investigation, Amaknak and Unalaska Islands, Alaska, Final. March. Prepared by Jacobs Engineering Inc. F10AK084103\_03.04\_0017\_a.
3. USACE. 1999b. 1998 SI/IRA/RI Report, Amaknak and Unalaska Islands, Alaska. Final. August. Prepared by Jacobs Engineering Inc. F10AK084103\_03.10\_0513\_a.
4. USACE. 2000a. Comprehensive Remedial Investigation Report, Volume I Amaknak/Unalaska Islands, Alaska. Final. May. Prepared by Jacobs Engineering Inc. F10AK084103\_03.10\_0001\_a.
5. USACE. 2000b. Comprehensive Remedial Investigation Report, Volume II, Amaknak/Unalaska Islands, Alaska. Final. May. Prepared by Jacobs Engineering Inc. F10AK084103\_03.10\_0002\_a.
6. USACE. 2000c. Monitoring Well Decommissioning Report, Amaknak/Unalaska Islands, Alaska. Final. December. Prepared by Jacobs Engineering Inc. F10AK084103\_03.10\_0514\_a.
7. USACE. 2001. 2000 Islandwide SI/IRA/RA Report, Amaknak/Unalaska Islands, Alaska. Final. August. Prepared by Jacobs Engineering Inc. F10AK084108\_03.10\_0002\_a.
8. USACE, 2002. Part I Declaration of Decision No. 1. Closed Sites. Amaknak and Unalaska Islands, Alaska. Final. January. F10AK084103\_07.12\_0001\_p.
9. USACE, 2003. 2001/2002 Islandwide SI/RI/IRA Report, Amaknak/Unalaska Islands, Alaska. Final. June. Prepared by Jacobs Engineering Inc. F10AK084108\_03.10\_0010\_a.
10. USACE, 2004. Part I Declaration of Decision No. 2. Closed Sites. Amaknak and Unalaska Islands, Alaska. Final. January. F10AK084108\_07.12\_0500\_a.
11. USACE, 2005. Islandwide RI/IRA Report. Unalaska Island, Alaska. Final. December. Prepared by Jacobs Engineering Inc. F10AK084108\_07.16\_0001\_p.



**US Army Corps  
of Engineers®**

Alaska District



12. USACE. 2008. Decision Document No. 2. Closed Sites. Amaknak and Unalaska Islands, Alaska. Final. May. F10AK084108\_05.09\_0500\_a.
13. USACE. 2009. Report, Soil Sampling and Statistical Analysis for Background Concentrations and Alternative Cleanup Levels, Amaknak and Unalaska Islands, Alaska. Final. August. Prepared by Jacobs Engineering Group Inc. F10AK084108\_03.10\_0011\_a.
14. USACE, 2016. Technical Memorandum. 2015 Phase I Investigation Summary, Dutch Harbor Limited Removal Action. Amaknak and Unalaska Islands, Alaska. Final. April. Prepared by Jacobs Engineering Inc. F10AK084108\_07.16\_0002\_p.
15. USACE, 2017. Dutch Harbor Limited Removal Action Report. Amaknak and Unalaska Islands, Alaska. Amaknak Dutch Harbor Vicinity FUDS. Prepared by Ahtna Engineering Services LLC. March. F10AK084108\_07.08\_0501\_p.

Resources on the Amaknak FUDS are available at the Unalaska Public Library:

Unalaska Public Library  
64 Eleanor Drive  
Unalaska, AK 99685  
(907) 581-5060

Resources are also available digitally through XDocs:

Please go to the FUDS Portal, <https://fudsportal.usace.army.mil>, to make your XDocs access request.



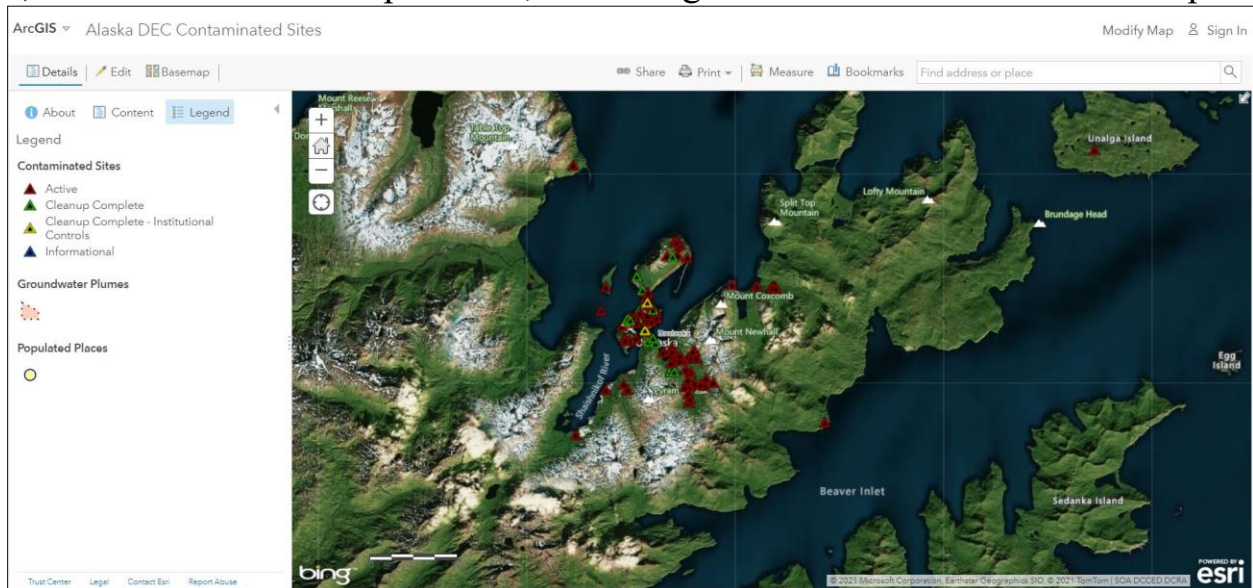


**US Army Corps  
of Engineers®**  
Alaska District

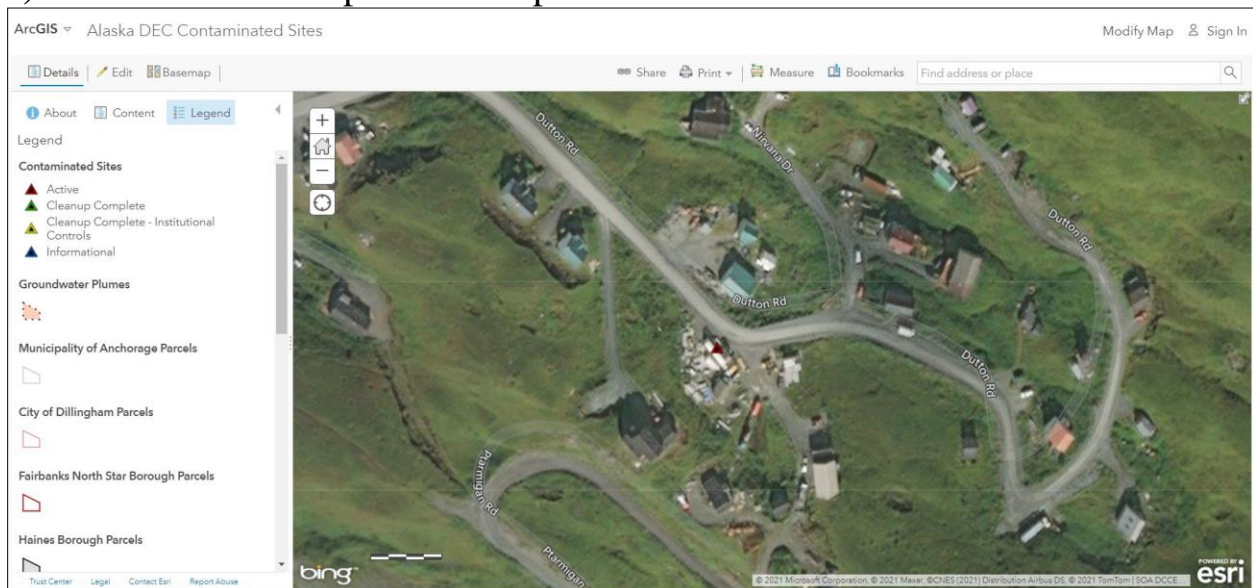


## Using the ADEC CS Database to learn about Contaminated Sites

- 1) Go to the Alaska Department of Environmental Conservation (ADEC)'s Division of Spill Prevention and Response's Contaminated Sites website:  
<https://dec.alaska.gov/spar/csp/>
- 2) Go to the "Search Map" button, then navigate to Unalaska Island on the map:



- 3) Zoom in on the map to look at specific areas:





**US Army Corps  
of Engineers®**  
Alaska District



- 4) The triangles on the map indicate known former/current sites of contamination tracked by the State of Alaska. Different color triangles indicate different site statuses:

Contaminated Sites	
▲	Active
▲	Cleanup Complete
▲	Cleanup Complete - Institutional Controls
▲	Informational

- 5) Click on a specific triangle:

The screenshot shows an ArcGIS web application titled 'Alaska DEC Contaminated Sites'. The interface includes a legend on the left with categories like 'Contaminated Sites', 'Groundwater Plumes', and various municipal parcels. A map of an aerial view shows a red triangle marker. A pop-up window titled 'Contaminated Sites: Dutch Hbr-Unalaska Vly UST 2060' is open, displaying the following information:

Hazard_ID	2877
Site Name	Dutch Hbr-Unalaska Vly UST 2060
File Number	2542.38.023
Staff	Cascade Galasso-Irish
Status	Active
Comment	Lat/long collected and verified using CS ArcGIS.com web map.

At the bottom of the pop-up window, there is a 'Zoom to' button.

Clicking individual triangles will pop up a box of information on the site, including which ADEC personnel are assigned to it (“Staff”), ADEC’s name for the site, and the link to more detailed site information (“Site\_Report\_Link”).

- 6) Scroll down on the pop-up box and click on “Site\_Report\_Link”

The Site\_Report\_Link will bring you to ADEC’s Site Report page for that particular site. The Site Report Page includes information about past environmental



**US Army Corps  
of Engineers®**  
Alaska District



investigations and cleanup actions (“Site Chronology” tab), and, if the site has been identified as “cleanup complete” (green or yellow triangles), it includes information about the implemented institutional controls or closure determination (“IC/Closure Details” tab).

The “Problems/Comments” section under the Site Chronology tab may indicate whether or not the contaminated site is part of the FUDS Program.

### Default vs. Alternative Cleanup Levels

<http://www.legis.state.ak.us/basis/aac.asp#18.75.340>

18 AAC 75.340. Soil cleanup levels; general requirements

(a) This section provides the requirements for cleanup levels for hazardous substances in soil. For each site, except as provided in (b) of this section, a responsible person shall propose soil cleanup levels for approval, shall base those cleanup levels upon an estimate of the reasonable maximum exposure expected to occur under current and future site conditions, and shall develop those cleanup levels using one or more of the following methods:

- (1) method one for petroleum hydrocarbon-contaminated soil in
  - (A) a non-Arctic zone as set out in Table A1 of 18 AAC 75.341(a); or
  - (B) an Arctic zone as set out in Table A2 of 18 AAC 75.341(b);

- (2) method two for soil contaminated with
  - (A) chemicals other than petroleum hydrocarbons as set out in Table B1 of 18 AAC 75.341(c); or
  - (B) petroleum hydrocarbons as set out in Table B2 of 18 AAC

75.341(d);

- (3) method three, as described in (e) of this section, for developing site-specific alternative cleanup levels;

- (4) method four, as described in (f) of this section, for developing site-specific alternative cleanup levels.

(b) Alternative soil cleanup levels developed under method three or method four may not be used at another site without prior approval. If alternative cleanup levels are developed for one site within a facility with multiple similarly contaminated sites, and if the department determines that the use of those cleanup levels at another site within that facility will be protective of human health, safety, and welfare, and of the environment, the department will approve the use of those cleanup levels at the other site.





**US Army Corps  
of Engineers®**  
Alaska District



(c) For methods two, three, and four, a responsible person shall demonstrate that the Arctic zone soil cleanup level, if applicable, is protective of migration to surface water.

(d) The soil cleanup levels provided under method one and method two apply at a contaminated site unless the department develops an alternative cleanup level or approves an alternative cleanup level that the responsible person has proposed under method three or method four. To obtain approval for an alternative cleanup level, a responsible person must demonstrate that an alternative cleanup level proposed under method three or method four is protective of human health, safety, and welfare, and of the environment, and must demonstrate compliance with the applicable institutional control requirements under 18 AAC 75.375. The cleanup level that applies at a site is the most stringent of either the alternative cleanup level or, for a pathway where no alternative cleanup level was calculated, the listed value for a hazardous substance in Table B1 of 18 AAC 75.341(c) or Table B2 of 18 AAC 75.341(d).

(e) Under method three, a responsible person may propose for the department's approval or the department may set an alternative cleanup level for a hazardous substance listed in Table B1 of 18 AAC 75.341(c) or Table B2 of 18 AAC 75.341(d) that modifies the levels for the

(1) migration to groundwater or human health pathway in Table B1 or migration to groundwater or inhalation pathway in Table B2, based on the use of approved site-specific soil data, and the equations set out in the department's Procedures for Calculating Cleanup Levels, dated February 1, 2018, and adopted by reference;

(2) migration to groundwater pathway in Table B1 or Table B2 based on approved site-specific soil and groundwater data and an approved fate and transport model that demonstrates that alternative soil cleanup levels are protective of the applicable groundwater cleanup levels under 18 AAC 75.345; or

(3) human health pathway in Table B1 or ingestion or inhalation pathway in Table B2 based on use of commercial or industrial exposure parameters listed in Appendix B of the Procedures for Calculating Cleanup Levels, adopted by reference in (1) of this subsection, if the department determines that the site serves a commercial or industrial land use, the department will base a land use determination under this paragraph upon

(A) consultation with the public, including the local zoning authority, in any;

(B) a determination that the site does not serve a residential land use;



**US Army Corps  
of Engineers®**  
Alaska District



(C) a determination that the site will not serve a future residential land use based on consideration of the factors in EPA's Land Use in the CERCLA Remedy Selection Process, OSWER Dir. No. 9355.7-04, dated May 25, 1995, adopted by reference; land in an undeveloped area for which it would be difficult to determine a future use pattern is capable of being a residential area, unless demonstrated otherwise; and

(D) consent of each landowner who is affected by the contamination at the site that a cleanup level less stringent than a cleanup level appropriate to residential land use is appropriate for the site.

(f) Under method four, the department will approve a site-specific alternative cleanup level if a responsible person

(1) performs a site-specific risk assessment and submits a risk assessment report to the department for approval, and if the department determines that the alternative cleanup level is protective of human health, safety, and welfare, and of the environment based on the site-specific risk assessment; in performing the risk assessment, a responsible person shall follow the department's Risk Assessment Procedures Manual, dated February 1, 2018, and adopted by reference; and

(2) obtains the consent of each landowner who is affected by the contamination at the site that a cleanup level less stringent than a cleanup level appropriate to residential land use is appropriate for the site.

(g) The department will develop a site-specific cleanup level for a hazardous substance not listed under 18 AAC 75.341(c) using the procedures set out in the department's Risk Assessment Procedures Manual, adopted by reference in (f)(1) of this section, unless the responsible person demonstrates that a site-specific cleanup level is not necessary to ensure protection of human health, safety, and welfare, and of the environment.

(h) The department will approve less stringent soil cleanup levels, subject to any institutional controls required under 18 AAC 75.375, if a responsible person demonstrates that

(1) background concentrations of a hazardous substance in the site area exceed the applicable cleanup level set out in 18 AAC 75.341 for the hazardous substance; or

(2) the limit of quantitation and limit of detection for the hazardous substance exceeds the applicable cleanup level set out in 18 AAC 75.341 for that substance.

(i) The department will require a responsible person to modify a cleanup level under this section or to perform a site-specific analysis of additional site risks



**US Army Corps  
of Engineers®**  
Alaska District



if the department determines that

(1) as a result of site conditions or new data, a modification is necessary to protect human health, safety, or welfare, or the environment; or

(2) a site-specific analysis is necessary due to

(A) exposure pathways such as the potential for the accumulation of vapors in buildings or other structures at levels that threaten human health;

(B) sediment contamination;

(C) impacts to ecological receptors;

(D) other site uses such as recreational, agricultural, or subsistence use; or

(E) the presence of sensitive subpopulations who respond biologically to lower levels of exposure to a hazardous substance.

(j) Soil cleanup levels based on

(1) migration of a hazardous substance to groundwater must be attained in the surface soil and the subsurface soil;

(2) human exposure from ingestion of or dermal contact with soil, or from inhalation of particulates or a volatile hazardous substance, must be attained in the surface soil and the subsurface soil to a depth of 15 feet, unless an institutional control or site conditions prevent human exposure to the subsurface soil; and

(3) the maximum allowable concentrations for petroleum hydrocarbons described in Table B2 of 18 AAC 75.341(d) must be attained in the surface soil and the subsurface soil.

(k) For a cleanup conducted under methods two and three, a chemical that is detected at one-tenth or more of the Table B1 human health cleanup levels set out in 18 AAC 75.341(c) must be included when calculating cumulative risk under 18 AAC 75.325(g).

- Page Left Blank -



**US Army Corps  
of Engineers®**  
Alaska District



**Rough Order of Magnitude Costs and Rough Schedule to Cleanup**

Acronyms: Community Relations (COMM/REL), Fiscal Year (FY), Restoration Advisory Board (RAB), Military Munitions Response Program (MMRP), Remedial Investigation/ Feasibility Study (RI/FS), Technical Project Planning (TPP), Data Quality Objectives (DQOs), Conceptual site model (CSM), Remedy-in-Place (RIP), Response Complete (RC), Petroleum oil and lubricants (POL), Underground storage tanks (USTs), Hazardous toxic radioactive waste (HTRW) Containerized HTRW (CON/ HTRW), Removal Action Design (RmD), Removal Action/ Construction (RmA-C), Remedial Action Operation (RA-O), Long-term management (LTM)

Project Name	Project Category and Phase	Phases Left to Complete	Response Snapshot (“By the Numbers”):  ~ % Mitigated, ~ Projected End Date, Rough Order of Magnitude Costs	Response Strategy/ Project Description	Project # in XDocs
AMAKNAK	Informational	N/A	N/A	Fiscal Year (FY) 2020 and FY25 Interim risk management, FY21-22 community outreach, training of emergency first responders, and data gathering to re-evaluate risk rating score with community and first responder findings and site specifics.	F10AK08410
COM/REL -RAB	COMM/ REL	RAB	N/A	RAB Assessment FY19 indicated the need for formation of an Amaknak FUDS Restoration Advisory Board (RAB). Initiated RAB establishment in 2020. Initial RAB meeting Nov 2020. Board Members were inducted Mar 2021. RAB meets monthly.	F10AK084121
Range Complex No. 1	Pre-Response MMRP	RI/FS, RA-C	0%, 2033, +/- \$4.5M	FY22 Initiating the Technical Project Planning (TPP) process to determine the project objectives and associated data needs to site restoration, developing Data Quality Objectives (DQOs), and developing the initial conceptual site model (CSM). Pursue Rights-of-entry. FY23 Conduct Remedial Investigation and Feasibility Study. Complete Decision Document. Implement remedy, achieve Remedy-in-Place (RIP)/ Response Complete (RC). Gain landowner/ stakeholder/ regulator concurrence. Pursue project closeout.	F10AK084109
UNALASKA VALLEY	Mid-Response CON/ HTRW	RmA-C	80%, 2026, +/- \$450K	FY21-22 Landowner/ stakeholder/ regulator coordination on priorities and progress and to prepare for potential residual removal action and/or the implementation of institutional controls. Project is currently in the removal action construction phase addressing POL sources (underground storage tanks [USTs] from buildings) and adjacent soil contamination. Potential FY23 removal action. RIP/RC anticipated upon completion of soil removals.	F10AK084108, F10AK084113





US Army Corps  
of Engineers®  
Alaska District



Project Name	Project Category and Phase	Phases Left to Complete	Response Snapshot (“By the Numbers”):  ~ % Mitigated, ~ Projected End Date, Rough Order of Magnitude Costs	Response Strategy/ Project Description	Project # in XDocs
PYRAMID VLY/ PORT LEVASHEF	Mid-Response CON/ HTRW	RmA-C	50%, 2026, +/- \$350K	FY21-22 Landowner/ stakeholder/ regulator coordination on priorities and progress and to prepare for potential residual removal action and/or the implementation of institutional controls. Pyramid Valley and Port Levashef POL only sites may require further remedial/removal action and further evaluation is ongoing. Project currently in RmA-C addressing POL sources (USTs/ drums) and adjacent soil contamination. Potential FY23 removal action. RIP/RC anticipated upon completion of all POL-source and soil removals.	F10AK084108, F10AK084114
SUMMER BAY/ HUMPY COVE	Mid-Response CON/ HTRW	RmA-C	60%, 2026, +/- \$350K	FY21-22 Landowner/ stakeholder/ regulator coordination on priorities and progress and to prepare for potential residual removal action and/or the implementation of institutional controls. Further remedial/removal action is anticipated and further evaluation is ongoing. Project currently in RmA-C addressing POL sources and adjacent soil contamination. Potential FY23 removal action. RIP/RC anticipated upon completion of all POL-source and soil removals.	F10AK084108, F10AK084115
MARGARET BAY/ AIRPORT	Mid-Response CON/ HTRW	RmA-C	66%, 2027, +/- \$350K	Further remedial/removal action is anticipated and further evaluation is ongoing. Project currently in RmA-C addressing POL sources (USTs from buildings) and adjacent soil contamination. Landowner/ stakeholder/ regulator coordination on priorities and progress and to prepare for potential residual removal action and/or the implementation of institutional controls. RIP/RC anticipated upon completion of all tank and soil removals.	F10AK084108, F10AK084116
MUSEUM OF THE ALEUTIANS	Mid-Response CON/ HTRW	RmA-C	40%, 2028, +/- \$350K	Coordination with stakeholders, landowners, Alaska Department of Environmental Conservation, and the State Historic Preservation Office will followed by removal action as necessary to achieve site closure. Project currently in RmA-C addressing POL soil contamination. Landowner/ stakeholder/ regulator coordination on priorities and progress and to prepare for potential residual removal action and/or the implementation of institutional controls. RIP/RC anticipated upon completion of soil removal.	F10AK084108, F10AK084117
MT BALLYHOO	Mid-Response CON/ HTRW	RmA-C	70%, 2027, +/- \$350K	Further remedial/removal action is anticipated and further evaluation is ongoing. Project currently in RmA-C addressing POL sources and adjacent soil contamination. Landowner/ stakeholder/ regulator coordination on priorities and progress and to prepare for potential residual removal action and/or the implementation of institutional controls. RIP/RC anticipated upon completion of all POL source and soil removals.	F10AK084108, F10AK084118



US Army Corps  
of Engineers®  
Alaska District



Project Name	Project Category and Phase	Phases Left to Complete	Response Snapshot (“By the Numbers”):  ~ % Mitigated, ~ Projected End Date, Rough Order of Magnitude Costs	Response Strategy/ Project Description	Project # in XDocs
BALLYHOO SPIT	Mid-Response CON/ HTRW	RI/FS, RmD, RmA-C	25%, 2027, +/- \$1.2M	Further evaluation is ongoing along the pipeline, at the fuel dock, pump house and truck loading station. Following coordination with stakeholders, landowners, Alaska Department of Environmental Conservation, and the State Historic Preservation Office, further remedial/removal action is anticipated. Project currently in RmA-C addressing POL sources and adjacent soil contamination. Landowner/ stakeholder/ regulator coordination on priorities and progress and to prepare for potential residual removal action and/or the implementation of institutional controls. RIP/RC anticipated upon completion of all POL source and soil removals.	F10AK084108, F10AK084119
LITTLE SOUTH AMERICA	Mid-Response CON/ HTRW	RmA-C	30%, 2027, +/- \$450K	Confirmation sampling and further remedial/removal action is anticipated. Further evaluation is ongoing. Project currently in RmA-C addressing POL sources and adjacent soil contamination. Landowner/ stakeholder/ regulator coordination on priorities and progress and to prepare for potential residual removal action and/or the implementation of institutional controls. RIP/RC anticipated upon completion of all POL-source and soil removals.	F10AK084108, F10AK084120
PRE-WWII TANK FARM	Post-Decisional and Remedy-in-Place HTRW	RA-O, LTM	90%, 2028-2050, +/- \$500K	Continue periodic reviews and groundwater monitoring for petroleum and free-phase product (POL) until conditions do not represent imminent hazard to health or the environment, then pursue project closeout. FY22 landowner/ stakeholder/ regulator coordination on Response Complete (RC) with implementation of institutional controls and entering long-term management (LTM) phase. Entering LTM phase, FY22 visual inspection, review of effectiveness of the remedy, and prepare 3 <sup>rd</sup> Periodic Review.	F10AK084103

Acronyms: Community Relations (COMM/REL), Fiscal Year (FY), Restoration Advisory Board (RAB), Military Munitions Response Program (MMRP), Remedial Investigation/ Feasibility Study (RI/FS), Technical Project Planning (TPP), Data Quality Objectives (DQOs), Conceptual site model (CSM), Remedy-in-Place (RIP), Response Complete (RC), Petroleum oil and lubricants (POL), Underground storage tanks (USTs), Hazardous toxic radioactive waste (HTRW) Containerized HTRW (CON/ HTRW), Removal Action Design (RmD), Removal Action/ Construction (RmA-C), Remedial Action Operation (RA-O), Long-term management (LTM)

- Page Left Blank -



US Army Corps  
of Engineers®  
Alaska District



Annual Schedule and Budget Planning (Key dates for RAB input **highlighted**)

Jan 4 Budget Year/ Budget Year+1 Work Plan Build Start

Jan 30 Monthly Official Work Plan Change Request-Approval

**Feb 24 Statewide Management Action Plan Priorities set**

Feb 28 Monthly Official Work Plan Change Request-Approval

**Mar 1 Budget Year/ Budget Year+1 Work Plan Build due to District**

**Mar 16 RAB Meeting**

Mar 19 Budget Year/ Budget Year+1 Work Plan Build due to Division

Mar 24 Budget Year/ Budget Year+1 Work Plan Build due to Headquarters

Mar 31 Quarter 2 Metrics

Mar 31 Monthly Official Work Plan Change Request-Approval

**Mar 31 Cost-to-Complete Estimates due**

Mar 31 Budget Year/ Budget Year+1 Work Plan Build – Phase 1 Review

Apr 30 Budget Year/ Budget Year+1 Work Plan Build – Phase 2 Review/  
Resolution of Comments

**May 6 RAB Meeting**

Jun 9 Budget Year/ Budget Year+1 Work Plan Build – Phase 3 Review

Jun 30 Quarter 3 Metrics

**TBD RAB Meeting**

Aug 9 Draft Final Budget Year Work Plan Build

**TBD RAB Meeting**

Aug 31 Final Budget Year Work Plan

**TBD RAB Meeting**

Sep 30 Fiscal Year Metrics

**Sep 30 Official Work Plan**

Oct 1 New Fiscal Year

**TBD RAB Meeting**

Oct 30 Monthly Official Work Plan Change Request-Approval

**TBD RAB Meeting**

Nov 30 Monthly Official Work Plan Change Request-Approval

**TBD RAB Meeting**

Dec 30 Quarter 1 Metrics

Dec 30 Monthly Official Work Plan Change Request-Approval

- Page Left Blank -



# DRAFT Tuesday, March 16, 2021 Amaknak FUDS RAB Meeting Minutes

Project: Amaknak Formerly Used Defense Sites

---

Subject: RAB and Public Meeting

---

Date: Tuesday, March 16, 2021

---

Location: Telephone Town Hall

---

Attendees: **RAB Members:**

Elise Contreras  
Alyssa K. McDonald  
Okalena Patricia Lekanoff-Gregory  
David M. Gregory  
Virginia Hatfield  
Kale Bruner  
Jay Edward King  
Rena Flint, Project Manager

**Project Team:**

Thomas Reed, Environmental Engineer  
Kelly Eldridge, Archeologist  
Kendall Campbell, Tribal Liaison  
Cascade Galasso-Irish  
Josie Wilson, HDR

**Additional Attendees:**

Thomas Rofus  
Natalie Cale  
Michael Livingston  
Erin Reinders  
Rufina Shaishnikoff  
Melinda Brunner  
Jim Paulin  
Dennis Robinson  
Chris Salts  
Piama Olerer  
Elena Ramirez

**Project Team Support:**

Alice Rademacher  
Whaley Braham  
Chase Quinn  
Liz Stoppelman

## 1. Welcome & Introductions

Rena Flint began the meeting at 6:00 pm by welcoming everyone on the call and reviewing meeting procedures, meeting purpose, and the agenda. This was followed by self-introductions of the project team members and community members who wished to introduce themselves.

## 2. Restoration Advisory Board

Rena opened the meeting for RAB member introductions and the official induction of the RAB members to the RAB board. Following this was a period of decision-making. The following decisions were reached during this portion of the meeting:

- **Mission Statement** – as a board, would we like to revise or adopt the mission?  
Decision: Made decision to adopt mission statement.

- **Operating procedures, Item 2B** – Hold (select one: quarterly/biannual/annual/other) meetings that are open to the public and held at convenient times and locations, typically in the evening. Decision: Hold informal monthly meetings, then transition to a less frequent/quarterly meeting.
- **Operating Procedure, Item 4C** – RAB members will serve a multi-year (Stipulate: how many years) term. RAB member may submit an application to serve another term (Stipulate: not to exceed how many years) when their first term has been completed. Total service will not exceed (Stipulate: how many years). Decision: Members will serve a 2- to 3-year term, with a 6-year limit total (possibility of no length; as a board, they will take the decision offline to determine if an actual length is needed).
- **Operating Procedure Item 4D** – A Community Co-Chair will be elected by the RAB community members. The procedures for conducting this election are specified in paragraph 6 of the operating procedure below. The Community Co-Chair will serve a minimum of (Stipulate: how many years), with replacement by a simple majority of RAB community members at any regular RAB meeting. Re-election or replacement of the Community Co-Chair will be mandatory every (Stipulate: how many years.)
  - Length of Term Decision: 1-year term
  - Co-chair Decision: David Gregory
- **Operating Procedure Item 5I** – Determine what constitutes/defines a quorum. Decision: Quorum equals four members plus Rena Flint (to hold a meeting).
- **Operating Procedure Items 7 & 8** – Item 7 RAB member responsibilities, item 8, participation. Decision: Accept paragraphs 7 and 8 as written.
- **Operating Procedure Item 9** – Amendments to RAB operating procedures can be made with what percentage of RAB members. Decision: Motion to accept paragraph 9 as written with 51% vote of quorum to amend operating procedures.
- **Last Meeting minutes** – November 17, 2020. Decision: Adopt the minutes as written.

### 3. Project Updates

- Rena provided an overview of the Amaknak FUDS and indicated that she would talk about cleanup projects on Amaknak and on Unalaska Island. The following key items were highlighted:
  - The objective is to clean up military impacts from 70 to 100 years ago.
  - During World War II, the military buildup in Unalaska included nearly 65,000 personnel stationed here at the peak of operations and 11 facilities, encompassing 190,000 acres.
  - Due to this buildup, there were hundreds of individual sites with environmental impacts.
  - By 1947, the military completed its withdrawal from the post, but most facilities were left intact.
- Rena reviewed the cleanup process and highlighted the experiences of project team members working in this area.
- Rena discussed the following project sites and requested help from the group to assist with prioritization:

- Unalaska Valley
  - Pyramid Valley-Port Levashef
  - Summer Bay-Humpy Cove
  - Margaret Bay-Airport
  - Museum of the Aleutians
  - Mount Ballyhoo
  - Mount Ballyhoo Spit
  - Little South America
  - Prioritization of remaining impacts (eight petroleum projects). Decision: The RAB will make the prioritization recommendation in the next meeting.
- Rena provided an update on the Pre-WWII Talk Farm Project, including details on the process and the work that was conducted from 2019 through 2020.

#### 4. Next Steps/Discussion

Rena requested that the group determine a date for the next meeting.

#### 5. Questions/Answers

Rena opened the floor for questions and answers.

- Cas Galasso responded to a question regarding how sites are identified, and Rena mentioned that Cas' contact information is located in everyone's packets.
- Elena Ramirez requested that the education and training awareness about munitions be shared with the Qawalangin tribe.
- Virginia Hatfield requested that the education and training awareness about munitions be shared with the museum.
- Rena queried the group again regarding the date and time for the next RAB meeting.  
Decision: The next meeting will be on May 6, 2021, at 18:00 hours (6 pm) and will be a more informal meeting than this one.

#### 6. Contact Information and Closing Remarks

Rena did an official wrap-up and motion to close. The motion was seconded and the meeting adjourned.

**March 16, 2021**  
**RAB Mission**  
**Amaknak Formerly Used Defense Site**  
**Restoration Advisory Board**

1. **Mission Statement of the Amaknak Formerly Used Defense Site (FUDS) Restoration Advisory Board (RAB).** The Mission of the Amaknak FUDS RAB is to establish and maintain a forum with all Stakeholders for the exchange of information in an open and interactive dialogue concerning the environmental restoration activities at the Amaknak FUDS. The RAB will review technical documents and provide comments and advice to the U.S. Army Corps of Engineers (USACE), Alaska District, on the proposed environmental restoration activities.

## Introduction

The purpose of this guide is to provide information about the military training activities that took place at the former Amaknak Military Facilities and to raise awareness of the explosive hazards that may exist at the range.

The former Amaknak Military Facilities were used from 1911 to 1952 for a variety of military activities. The site consists of the former Dutch Harbor Naval Operating Base and other facilities on Unalaska and Amaknak Islands. The U.S. Navy first established a communication facility in 1911 and a weather station in 1939. By 1942, the Navy had constructed a port and submarine and seaplane bases. During this same time, the U.S. Army built air and coastal artillery defense sites and support facilities. Most of the former Amaknak Military Facilities were either decommissioned or declared surplus by 1952. An area of the former Amaknak Military Facilities, known as Range Complex No. 1, has been identified through historical research and site visits as having potential explosive hazards. The munitions known or suspected to have been used at the property include medium caliber munitions and small arms ammunition.

Range Complex No. 1 is located on and in the surrounding waters of Unalaska Island in the Aleutian Islands chain of Alaska. The land is publicly and privately owned, and is used for commercial fishing, and residential and industrial purposes.

Because explosive hazards associated with military munitions from past military activities may remain on and in the surrounding waters of Range Complex No. 1, the U.S. Army Corps of Engineers recommends that landowners and visitors follow the **3Rs of Explosives Safety – Recognize, Retreat and Report.**



An example of a medium caliber munition

## Former Amaknak Military Facilities

### For More Information



**US Army Corps of Engineers.**

The U.S. Army Corps of Engineers is responsible for identifying, investigating and, when necessary, conducting an appropriate response to address contamination and military munitions resulting from past Department of Defense activities at Formerly Used Defense Sites, also referred to as FUDS.

For information about the former Amaknak Military Facilities, contact the FUDS Information Center by calling the toll-free number 1-855-765-FUDS (3837). For general information about the FUDS Program, visit [www.fuds.mil](http://www.fuds.mil).

### Follow the 3Rs of Explosives Safety

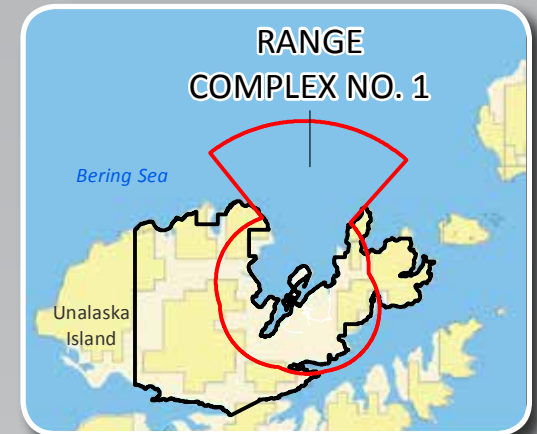


Visit the U.S. Army's Explosives Safety Education website:  
[3Rs.mil](http://3Rs.mil)

## 3Rs Safety Guide

### Former Amaknak Military Facilities

**Alaska  
Aleutians West**



### Range Complex No. 1



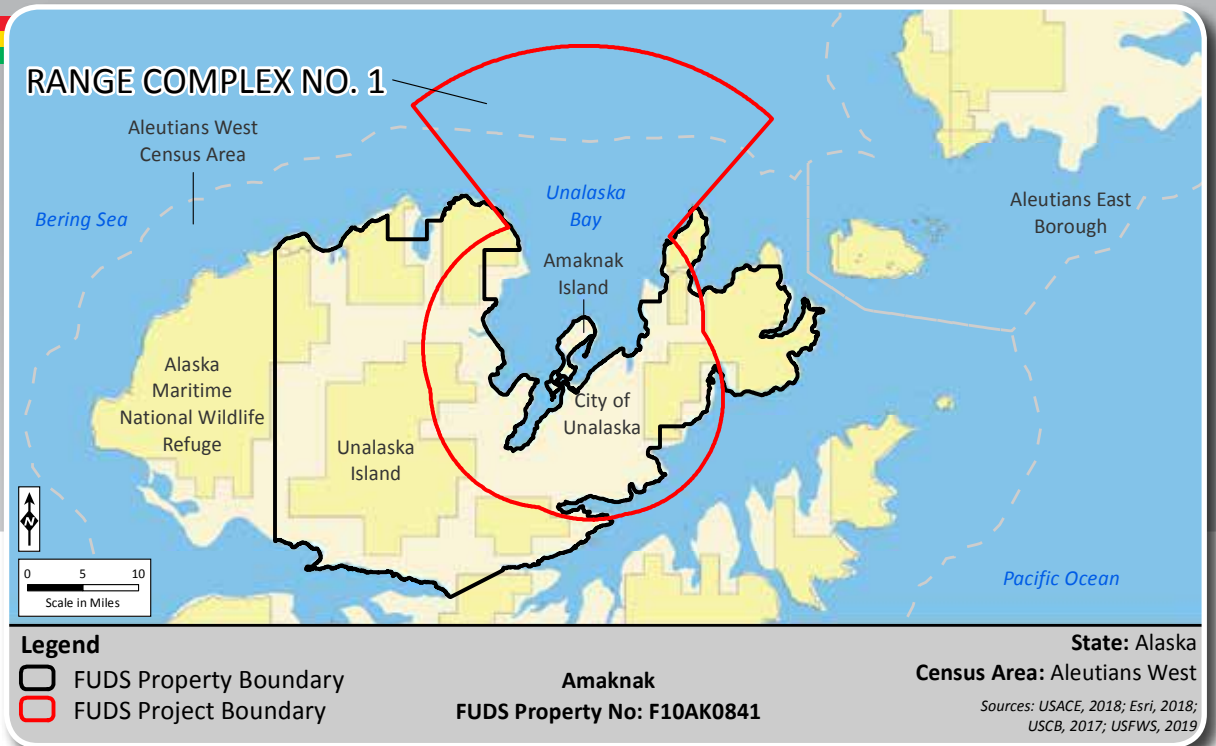
**US Army Corps of Engineers.**





Source: Library of Congress

Headquarters area of the former Naval Operating Base at Dutch Harbor, Unalaska Island, Alaska



## Frequently Asked Questions

**Q:** What types of potential hazards exist?

**A:** Military munitions, such as medium caliber munitions and small arms ammunition, were potentially used at the former Amaknak Military Facilities. The U.S. Army Corps of Engineers is unable to rule out the presence of munitions that may pose an explosive hazard.

**Q:** What do I do if I suspect I may have come across a military munition?

**A:** If you suspect you may have come across a military munition, the best way to ensure your safety is to follow the 3Rs of Explosives Safety: **R**ecognize – when you may have encountered a munition and that munitions are dangerous; **R**etreat – do not approach, touch, move or disturb it, but carefully leave the area; and **R**eport – call **911** and advise the police of what you saw and where you saw it.

**Q:** What are the findings of the work that the government has completed?

**A:** Historical research and site inspections indicate that military munitions were potentially used at these ranges, and some munitions may

remain on the property and in the surrounding waters of Range Complex No. 1. The U.S. Army Corps of Engineers has determined that further investigation is required for Range Complex No. 1 at the former Amaknak Military Facilities.

**Q:** What will be done next?

**A:** The U.S. Army Corps of Engineers will make explosives safety education material that is based on the 3Rs available to landowners and the community. Additionally, it will coordinate with landowners as it plans required response activities.

**Q:** Where can I get more information?

**A:** For more information, call the Formerly Used Defense Sites Information Center toll-free number 1-855-765-FUDS (3837). Additional information can be found by searching on the property name, Amaknak, in the Geographic Information System tool on the Formerly Used Defense Sites website at [www.fuds.mil](http://www.fuds.mil).

## Follow the 3Rs of Explosives Safety

**Recognize**

when you may have encountered a munition and that munitions are dangerous.

**Retreat**

do not approach, touch, move or disturb it, but carefully leave the area.

**Report**

call 911 and advise the police of what you saw and where you saw it.

## Introduction

This guide was prepared to raise awareness of potential chemical hazards that may exist at the former Amaknak Military Facilities property.

The former Amaknak Military Facilities were used from 1911 to 1952. The site consists of the former Dutch Harbor Naval Operating Base and other facilities on Unalaska and Amaknak Islands. Most of the former Amaknak Military Facilities were either decommissioned or declared surplus by 1952. An area known as Captain's Dock Chem Agent Disposal, has been identified through historical research and site visits as having potential chemical hazards. Chemical Agent Identification Sets (CAIS) were found in the waters and intertidal area adjacent to the dock in early 1987. These sets were used by the military to train soldiers to identify chemical agents in the field.

The Captain's Dock Chem Agent Disposal area is a tidal water area located in Captain's Bay, adjacent to the north shore of Unalaska Island, within the City of Unalaska, Alaska. The area is publicly and privately owned, and is used for commercial purposes.

The U.S. Army Corps of Engineers recommends that anyone entering the property or surrounding waters of the Captain's Dock Chem Agent Disposal Area exercise proper precautions and follow the **3Rs – Recognize, Retreat and Report.**



Example of vials from a Chemical Agent Identification Sets (CAIS) kit.

## Former Amaknak Military Facilities

### For More Information



**US Army Corps of Engineers.**

The U.S. Army Corps of Engineers is responsible for identifying, investigating and, when necessary, conducting an appropriate response to address contamination and military munitions resulting from past Department of Defense activities at Formerly Used Defense Sites, also referred to as FUDS.

For information about the former Amaknak Military Facilities, contact the FUDS Information Center by calling the toll-free number 1-855-765-FUDS (3837). For general information about the FUDS Program, visit [www.fuds.mil](http://www.fuds.mil).



Visit the U.S. Army's Safety Education website: [3Rs.mil](http://3Rs.mil)

## Chemical Agent Identification Sets Safety Guide

### Former Amaknak Military Facilities

**Alaska  
Aleutians West**



### Captain's Dock Chem Agent Disposal



**US Army Corps of Engineers.**



An example of ampoules, CAIS storage containers and shipping container

## Frequently Asked Questions

**Q:** What are Chemical Agent Identification Sets (CAIS)?

**A:** CAIS were used by soldiers to train on chemical agents in the field. These training sets were not designed to be lethal. Things to watch out for include glass vials (whole or broken), and the CAIS storage and shipping containers. The vials are 1 inch in diameter and 7½ inches long, and were individually packed in cardboard tubes inside a heavy metal container.

**Q:** Where are people likely to encounter CAIS?


**A:** The vast majority of CAIS was depleted during training; however, some unused CAIS were disposed of by burial. While the U.S. military made every effort to remediate CAIS with the best technologies at the time, potential hazards may remain in the surrounding waters of the Captain's Dock.

**Q:** What should people do if they think they have encountered CAIS?

**A:** If you suspect you may have come across a CAIS either in a container or loose vials or bottles, the best way to ensure your safety is to follow the 3Rs: **Recognize** – when you may have encountered CAIS and that the chemicals that CAIS may contain, even



### Legend

-  FUDS Property Boundary
-  FUDS Project Boundary

Amaknak

FUDS Property No: F10AK0841

State: Alaska

Census Area: Aleutians West

Sources: USACE, 2018; Esri, 2019; USCB, 2017

if solidified, can cause serious injury; **R**etreat – do not touch, move or disturb it, but carefully leave the area; and **R**eport – call **911** and advise the police of what you saw and where you saw it.

**Q:** What will be done next?

**A:** The U.S. Army Corps of Engineers will make safety education material that is based on the 3Rs available to the landowners and the community. Additionally, it will coordinate with the landowners as it plans required response activities.

**Q:** Where can I get more information?

**A:** For more information, call the Formerly Used Defense Sites Information Center toll-free number 1-855-765-FUDS (3837). Additional information can be found by searching on the property name, Amaknak, in the Geographic Information System tool on the Formerly Used Defense Sites website at [www.fuds.mil](http://www.fuds.mil).

## Follow the 3Rs

 **Recognize**

when you may have encountered CAIS and that the chemicals that CAIS may contain, even if solidified, can cause serious injury.

 **Retreat**

do not touch, move or disturb it, but carefully leave the area.

 **Report**

call 911 and advise the police of what you saw and where you saw it.





# LOGGING INTO THE WEBINAR



We recommend you use **Internet Explorer** as your browser while using this webinar space.

To join the meeting, simply click the link (or copy link into your browser)\*:  
<https://usace1.webex.com/meet/rena.b.flint>

WebEx will open in a separate window, not your browser.

WebEx icon is on your taskbar (at the bottom of the screen).

Click the taskbar icon to reenter WebEx classroom.



\*If you are unable to join the web meeting,  
you are still free to call in.

## Audio

Toll Free: Teleconference Call: (844) 800-2712

Access Code: 199 212 1820#



# GETTING STARTED OVERVIEW



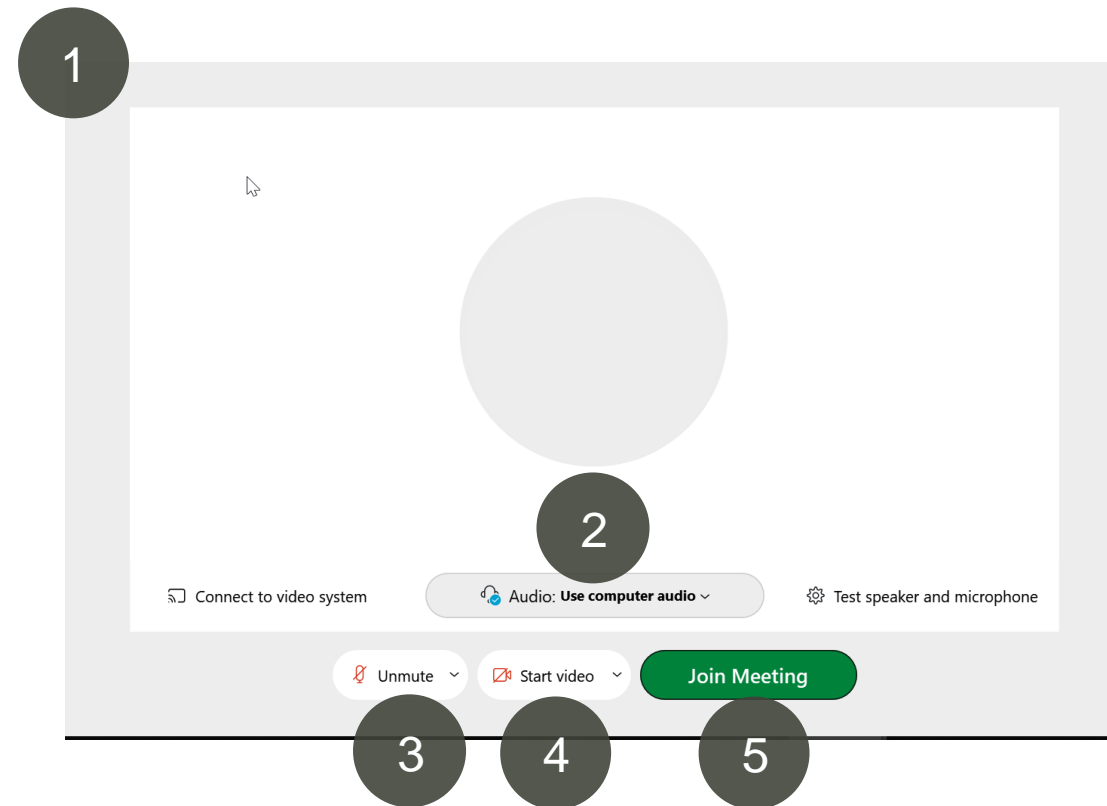
1) You may be given the option in the upper left-hand corner to enter in your name and email address. If so, please provide your FULL NAME (and AFFILIATION, if applicable).

2) You will also be asked to select your audio option. See Slide 3 for instructions on selecting audio.

3) You will have the option to unmute your audio. Should you choose to enter the space unmuted, click the “Unmute” button on the interface. You will also have the option to unmute once you enter the space.

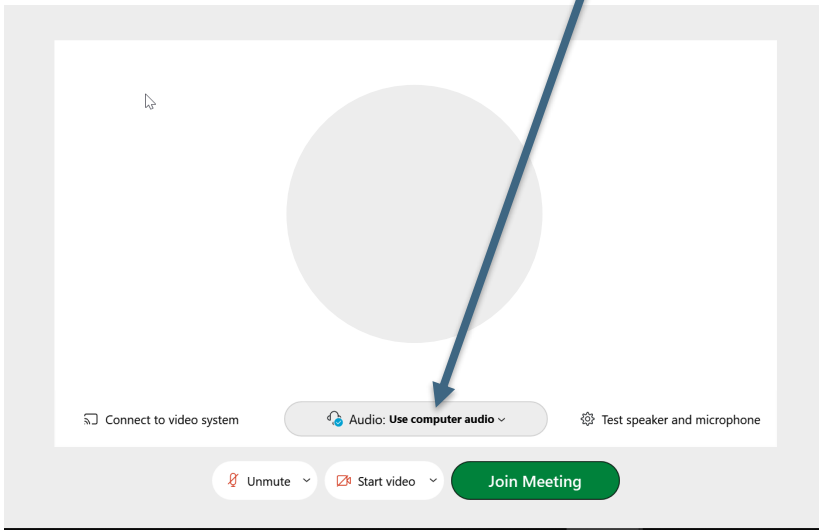
4) You have the option to start your video. See slide 4 for instructions on starting your video.

5) Once you’ve made your selections, you’re all set! Hit “Join Meeting” to join the space.





# CONNECTING TO AUDIO



## Audio connection

Use computer audio

Call me at 🇺🇸 +1

Call in

Call me at

Don't connect to audio

### Instructions:

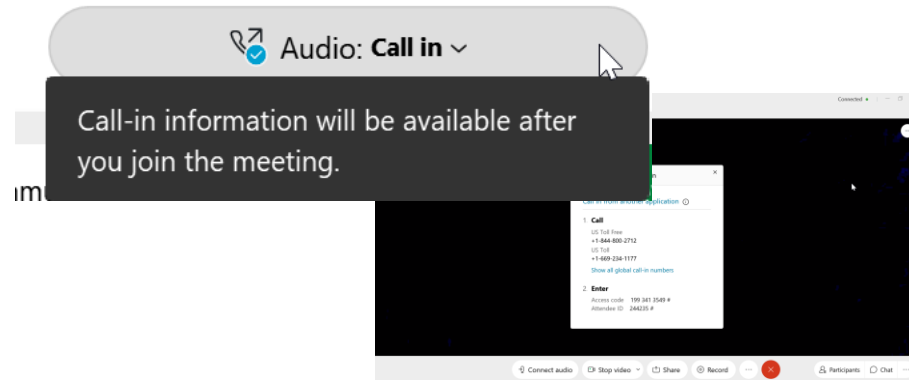
Click the Audio Button to select your audio for the webinar (as indicated by the arrow)

### Option A (recommended):

- Select the Call Me at # option.
- Enter your phone number.
- Follow the prompts as given on the phone.

### Option B:

- Select Call In
- Call in information is available after you join the meeting.
- Be sure to enter your attendee ID.
- The security code will likely have been provided in your calendar invitation.



Call-in information will be available after you join the meeting.



### Option C:

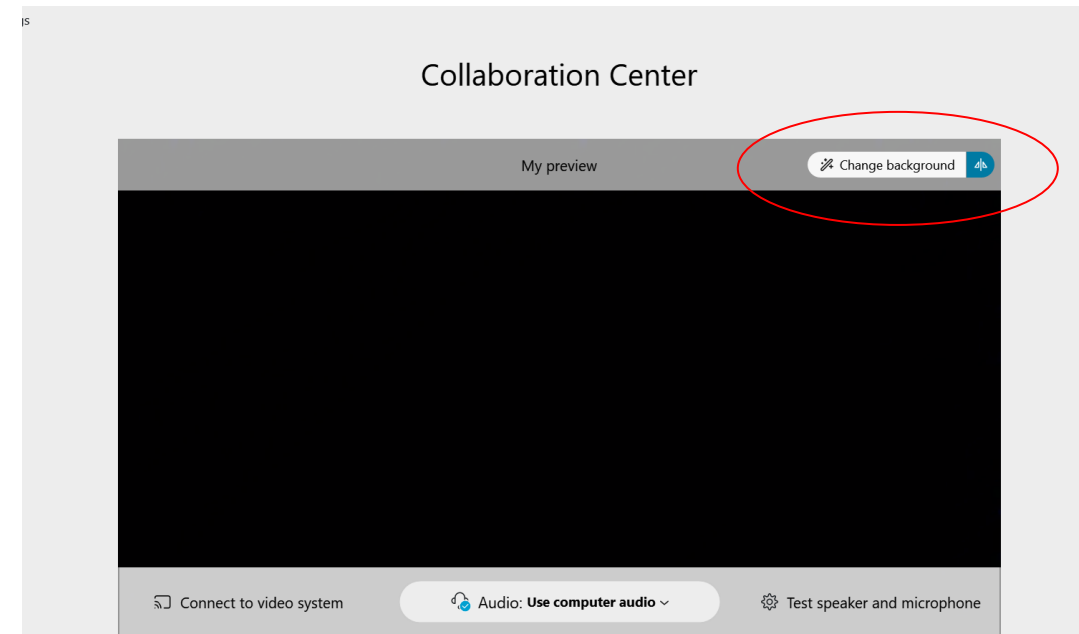
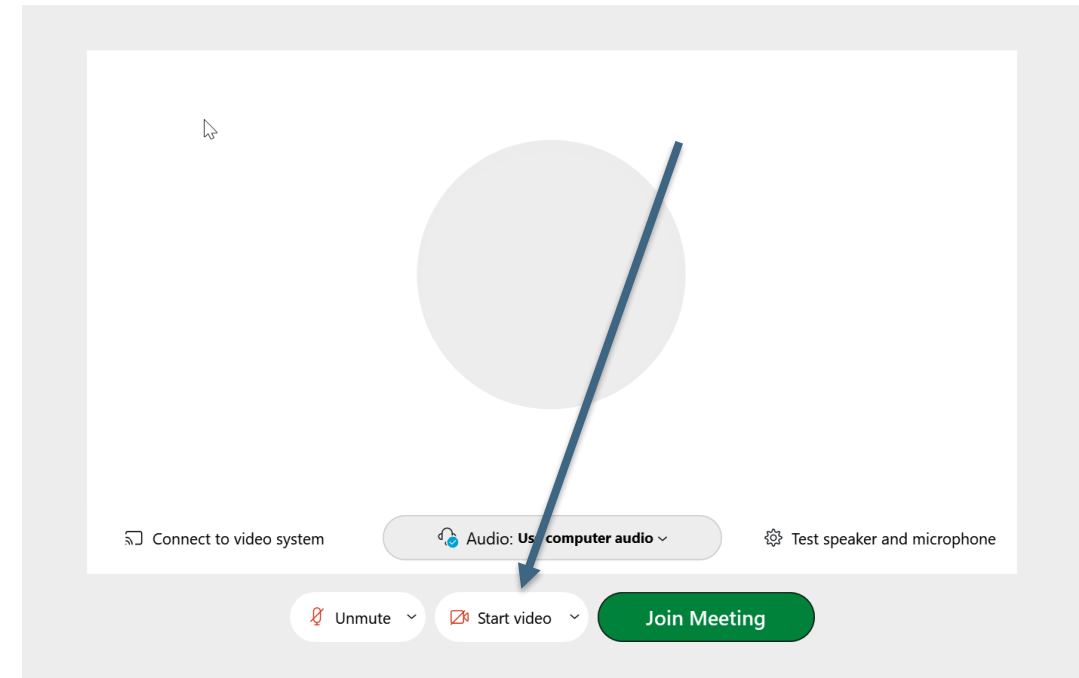
- Select Use Computer Audio
- You will have an option to test your microphone and speakers



# TURNING ON YOUR VIDEO

To start your video,

- 1) Choose your video technology (if you have options).
- 2) Click the button that says, “Start video.” You will then see that the red camera turns black/green and the button now says, ‘Stop video’. That means your video will be on when you enter the meeting space.
- 3) You will then be able to see a preview of your video.
- 4) Should you choose, in the upper right-hand corner, you may also select to change your background.

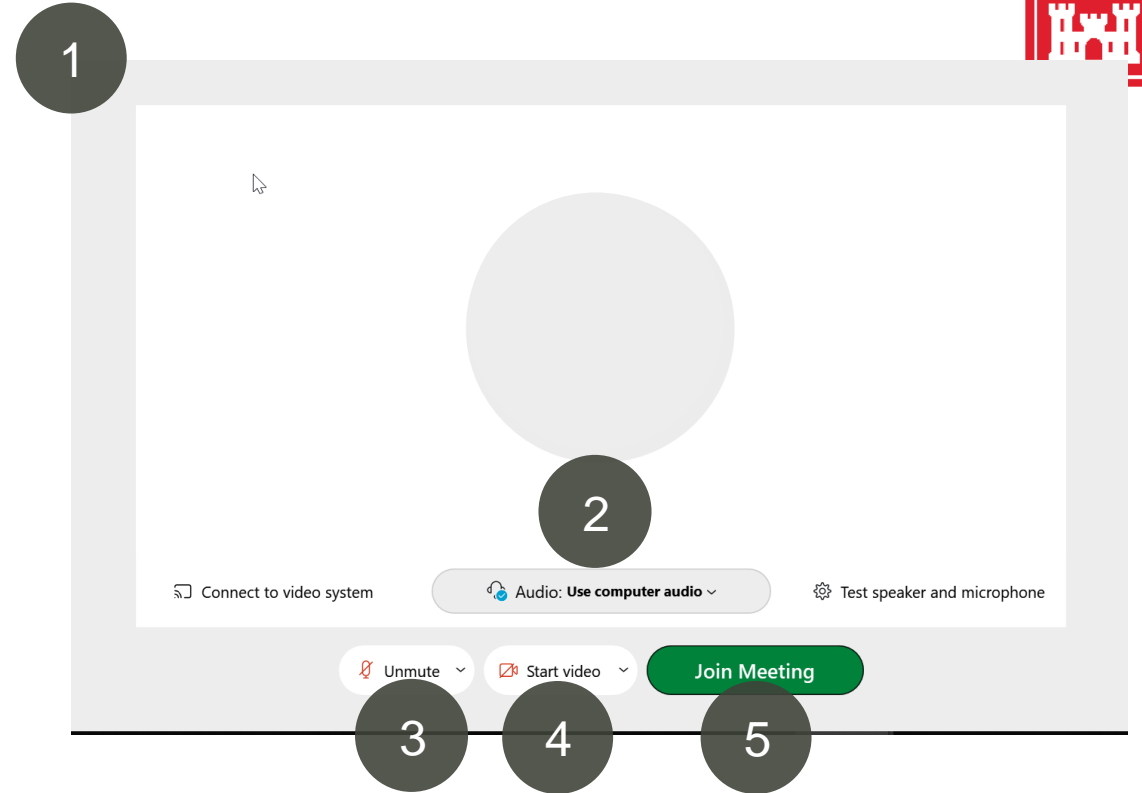






# GETTING STARTED RECAP

- 1) You may be given the option in the upper left-hand corner to enter in your name and email address. If so, please provide your FULL NAME (and AFFILIATION, if applicable).
- 2) You will also be asked to select your audio option. See Slide 3 for instructions on selecting audio.
- 3) You will have the option to unmute your audio. Should you choose to enter the space unmuted, click the “Unmute” button on the interface. You will also have the option to unmute once you enter the space.
- 4) You have the option to start your video. See slide 4 for instructions on starting your video.
- 5) Once you’ve made your selections, you’re all set! Hit “Join Meeting” to join the space.



\*If you are unable to join the web meeting, you are still free to call in.  
USA Toll-Free: Teleconference Call: (844) 800-2712  
Access Code: 199 212 1820#

- Page Left Blank -

# Webex Meetings

## Best Practices



Webex Meetings

1. When logging on, make sure to use Microsoft Edge, Internet Explorer or the WebEx App. While not necessary, you can download the Webex Meetings application for free at: <https://www.webex.com/downloads.html>.  
Make sure to select Webex Meetings.
2. To connect audio, there are three choices, but “call me” is the best option for sound quality and user ease.  
**\*\*It has been observed that if a user selects the computer audio option, sound quality degrades for both user and other meeting participants over time.\*\***
3. Make sure to use the “Mute” function at the bottom left of your Webex screen when you are not speaking.
4. If you are not speaking, please turn off your webcam. It can degrade service and interrupt meetings at times from use of too much bandwidth. It also helps avoid “Post-It note” camera.
5. Turn on the Participants and Chat functions on the bottom right of your Webex screen.
6. Use the chat box to talk to everyone in the Webex meeting, or use the drop down menu to send a private message to someone.  
**\*\*We urge teams to have a separate form of private communication outside of the Webex meeting for internal discussion.\*\***
7. If your audio becomes disconnected (or you need to call a different number to connect), click the three dots on the bottom of your screen and reconnect.
8. You can use the cursor on the left side in app (or right side in browser) of your screen to increase or decrease the size of information being shared.



**US Army Corps  
of Engineers** ®  
Kansas City District

**PUBLIC MEETING**

The U.S. Army Corps of Engineers, Alaska District announces  
a virtual Restoration Advisory Board and Public Meeting regarding  
Amaknak FUDS restoration activities

**Thursday, May 6, 2021, 6:00pm – 8:00pm**

Teleconference Call: (844) 800-2712

Access Code: 199 212 1820#

The U.S. Army Corps of Engineers, Alaska District, is hosting the spring Restoration Advisory Board (RAB) meeting and virtual public meeting to discuss environmental updates pertaining to the Amaknak Formerly Used Defense Site (FUDS) in Unalaska.

The meeting agenda will be available on the project website at <https://www.poa.usace.army.mil/Library/reports-and-Studies>, under the “Documents Available for Review” section, under the Environmental Cleanup section; at the Unalaska Public Library; and upon request by emailing [Rena.B.Flint@usace.army.mil](mailto:Rena.B.Flint@usace.army.mil) or calling (907) 201-3108.

**RAB and Virtual Public Meeting**

Thursday, May 6, 2021

6:00pm – 8:00pm

Teleconference Call: (844) 800-2712

Access Code: 199 212 1820#

For more information, please contact Ms. Rena Flint, FUDS Project Manager, by phone at (907) 753-2680 office, (907) 201-3108 cell, or by email at [Rena.B.Flint@usace.army.mil](mailto:Rena.B.Flint@usace.army.mil).