

4.0 GENERAL INSPECTIONS

The purpose of the IC excavation notification is to notify the Navy of intrusive projects that will be performed on IC sites, which will result in the land use controls remaining effective over time. There are two types of soil excavation restrictions for IC sites.

4.1 IC EXCAVATION NOTIFICATIONS

The purpose of the excavation notification is to allow the Navy to provide information about the site and as a tool for the Navy to receive timely information to monitor excavation projects on the IC sites which will keep the land uses consistent with the selected remedy.

Excavation notifications must be submitted to the Navy at least three days prior to excavation activities. The IC notification is available on the Adakupdate.com website. Copies of the excavation notifications will be kept in the Naval Facilities Engineering Command (NAVFAC) Northwest site file.

According to Steve Hines, City Manager for the City of Adak, no excavation notifications were filed between September 2005 and September 2006. Mr. Hines noted that there was only one other excavation for a waterline repair, across the street from SWMU 15, Future Jobs DRMO IC area. NAVFAC NW received an excavation notification from City Electric at the end of August 2006 to install fiber optic telephone and cable service throughout SWMU 62, New Housing Fuel Leak site.

4.2 ABSOLUTE EXCAVATION PROHIBITIONS

At some sites, such as former landfills (or where the remedy in place is a protective cover), excavation by non-Navy personnel is absolutely prohibited, although recreational land uses, which add additional cover (e.g., ball fields, golf course), may be permissible. Navy personnel will be allowed to excavate for the purposes of repairing caps, etc. Additionally, excavation for the purpose of digging domestic water well is prohibited in the downtown area and in the remote areas, where it is necessary to protect the integrity of the ongoing petroleum cleanups.

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5.0 INSTITUTIONAL CONTROL EDUCATION EVALUATIONS

5.1 EDUCATION PROGRAM

Education and information are important elements of ICs. The Navy has an established Education Program that has been customized with input from the community. Over time, the Navy will be required to support community educational efforts aimed at informing the community regarding the island hazards, land use restrictions, and limiting access to Navy-retained lands. The education program provides guidance on appropriate safety steps to take if UXO material is discovered; and updates the community regarding the cleanup of residual chemicals remaining on the island.

The education plan consists of the following key items:

- Notices (equitable servitude notifications/restrictions, excavation notifications, etc.)
- Educational classes (ordnance identification, safety presentations, etc.)
- Printed media (brochures, fact sheets, news articles, etc.)
- Visual media (video tapes/DVD, local television announcements, etc.)
- Exhibits, displays, and posters
- Restoration Advisory Board (RAB)
- Adak Website (<http://www.adakupdate.com>)
- Toll Free Telephone number (1-866-239-1219)
- E-mail address (jim.r.brown@navy.mil)

Through the education program, residents and visitors are presented with information on ICs, groundwater and excavation restrictions, fish/shellfish advisory, and UXO awareness. The UXO education Awareness Program is a subset of the broader IC educational program.

5.2 SURVEYS

The Navy has developed surveys to evaluate the effectiveness of the IC education program. The surveys focus primarily on the community's knowledge of ICs and the education tools in place. The intent of the survey is to determine if the education plan is effective, or whether it should be revised to make it more relevant to the community's needs.

During the 2006 IC inspections 15 interviews were conducted. The interviewees consisted of 7 residents and 8 visitors. The breakdown for length of time living or staying on Adak is shown below:

- Resident for over one year- 3
- Resident for over 6 months but less than one year-2
- Resident for 3 to 6 months-0
- Resident for less than 3 months-2
- Visitors ranged from 1 – 5 weeks, 7 of the 8 visitors were on island for work related activities and one visitor was on island for bird watching.

Results from the 2005 interviews are presented in Table 5-1. The Educational Evaluation forms are included in Appendix A.

Table 5-1. Educational Awareness Results

	Aware		No Opinion	Unaware	
	Strongly Agree	Agree		Disagree	Strongly Disagree
I am aware that land use restrictions apply to some areas on Adak	11	2	1		1
I am aware that there is a fish consumption advisory on Adak	7	2	1		5
I am aware of the ordnance safety awareness video, and have seen it	8	2	1		4
I am aware of the institutional control excavation notification	4		2	2	7
I am aware of the toll free telephone number and email address to contact for additional information on the topics above	3	1	2	2	7

In order to easily compare the results, the “strongly agree” and “agree” results were combined to form one “Aware” category. Likewise, the “strongly disagree” and “disagree” categories were combined to form one “Unaware” category. Compiling of the results in this manner allows for the elimination of the “No Opinion” category and a meaningful discussion of the results.

Interviews conducted in September 2006 indicated that in general, the community and visitors were aware of land use restriction, 13 of 14 (93%). Fewer were aware of the fish consumption advisory, 9 of 14 (64%). 10 of 14 (71%) were aware of the ordnance safety awareness video. Only 4 of 13 (31%) were aware of the excavation notification requirements and only 4 of 13 (31%) were aware of the toll-free telephone number and e-mail address to contact for additional information on institutional controls.

The following are the results of question 3; “How would you prefer the Navy provide information to you regarding institutional controls?”

- 1 Community meetings
- 4 Electronic mail
- 4 Internet
- 4 Mailings/Fact Sheets
- 2 Other (school)

There were several suggestions given by the individuals that were interviewed to the question, “Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?”

- Two individuals suggested information packages be given to new residents by the housing or the city.
- Four indicated that signage information be made available in such areas as the airport and docks.
- One individual suggested that pamphlets be distributed on the planes to Adak.
- One individual suggested posting information on an Adak Home Page.
- Thirteen of 15 individuals that were interviewed had internet access. Two of the three were children in school.

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6.0 SUMMARY AND RECOMMENDATIONS

Table 6-1 summarizes the conditions at the Adak IC sites.

Table 6-1. Summary of Conditions at Adak Institutional Control Sites

Site Name	Land Use Consistent With Restrictions?	Evidence of Soil Excavations?	Fish Advisory in Effect?	Education Program Functioning?	Soil cover intact and effective?	Comments
Groundwater (Downtown Exchange Area)						
Groundwater						No residential use.
CERCLA Sites (Downtown Exchange Area)						
SWMU 10, Old Baler Building	Yes	No				
SWMU 14, Old Pesticide Disposal Area	Yes	No				
SWMU 15, Future Jobs/DRMO	Yes	No				
SWMU 16, Former Firefighting Training Area	Yes	No				
SWMU 17, Power Plant 3 Area	Yes	No				
SWMU 55, Public Works Transportation Department Waste Storage Area	Yes	No				
SA 76, Old Line Shed Building	Yes	No				
Fishing Advisory Areas (Downtown Exchange Area)						
Sweeper Cove			Yes	Yes		Fact sheets have replaced signage.
Kuluk Bay			Yes	Yes		Fact sheets have replaced signage.
Landfill Sites (Downtown Exchange Area)						
SWMU 13, Metals Landfill	Yes	Yes			Yes	Drainage swale liner on the north side of the landfill repaired; sign placed by the main gate
SWMU 25, Roberts Landfill	Yes	Yes			Yes	Drainage due to erosion has been repaired
RCRA Sites (Downtown Exchange Area)						
SWMU 24, Hazardous Waste Storage Facility	Yes	No				
SA 77, Small Drum Storage Area	Yes	No				
Petroleum Monitored Natural Attenuation Sites (Downtown Exchange Area)						
Amulet Housing, Well AMW-706 Area	Yes	No				
Amulet Housing, Well AMW-709 Area	Yes	No				
Former Power Plant, Building T-1451	Yes	No				
ROICC Contractor's Area (UST ROICC 8)	Yes	No				
Runway 5-23 Avgas Valve Pit	Yes	No				
SWMU 14, Old Pesticide Disposal Area	Yes	No				
SWMU 15, Future Jobs/DRMO	Yes	No				
SWMU 60, Tank Farm A	Yes	No				
SWMU 61, Tank Farm B	Yes	No				
Housing Area (Arctic Acres)	Yes	No				

Table 6-1 (cont'd) Summary of Conditions at Adak Institutional Control Sites

Site Name	Land Use Consistent with Restrictions?	Evidence of Soil Excavations?	Fish Advisory in Effect?	Education Program Functioning?	Soil cover intact and effective?	Comments
<i>Petroleum Free-Product Sites (Downtown Exchange Area)</i>						
GCI Compound, UST GCI-1	Yes	No				
NMCB Building Area	Yes	No				
NORPAC Hill Seep Area	Yes	No				
SA 80, Steam Plant 4, USTs 27089 and 27090	Yes	No				
SWMU 17, Power Plant 3 Area	Yes	No				
SWMU 62, New Housing Fuel Leak	Yes	Yes				Excavation to install fiber optics, excavation to install fuel recovery trench along runway 18-36
South of Runway 18-36 Area	Yes	Yes				Excavation to install fuel recovery trench along Sweeper Cove
Tanker Shed, UST 42494	Yes	No				
Yakutat Hangar, UST T-2039-A	Yes	No				
<i>CERCLA Sites (Remote Area)</i>						
SWMU 20, White Alice/Trout Creek Disposal Area	Yes	No				
SWMU 21A, White Alice Upper Quarry	Yes	No			Yes	
SWMU 23, Heart Lake Drum Disposal Area	Yes	No				
SWMUs 52, 53, 59, Former Loran Station	Yes	No				
SWMU 67, White Alice PCB Spill Site	Yes	No			Yes	Sign needs to be installed on roadway leading to spill area
<i>Landfill Sites (Remote Area)</i>						
SWMU 2, Causeway Landfill	Yes	No			Yes	Signs installed
SWMU 4, South Davis Road Landfill	Yes	No			Yes	Signs installed
SWMU 11, Palisades Landfill	Yes	No			Yes	
SWMU 18, South Sector Drum Disposal Area (White Alice Landfill) and SWMU 19, Quarry Metal Disposal Area (White Alice Landfill)	Yes	No			Yes	
SWMU 29, Finger Bay Landfill	Yes	No			Yes	Signs installed
<i>Petroleum – Monitored Natural Attenuation Sites (Remote Area)</i>						
Antenna Field, USTs ANT-1, ANT-2, ANT-3, and ANT-4	Yes	No				
<i>Petroleum Free-Product Sites (Remote Area)</i>						
SA 73/SWMU 58, Heating Plant 6	Yes	No				
SA 78, Old Transportation Building USTs	Yes	No				
SA 82, P-80/P-81 Buildings	Yes	No				
SA 88, P-70 Energy Generator, UST 10578	Yes	No				
<i>CERCLA Ordnance Sites</i>						
OU B Ordnance Areas				Yes		

It is recommended that primary site inspections at all sites continue on an annual basis, as outlined in the ICMP.

Based on the findings of the September 2006 primary site inspections the following recommendations are made:

- An excavation prohibition sign should be posted on the road leading up to SWMU 67, White Alice PCB Spill Site
- The sign on the south side of SWMU 11, Palisades Landfill needs to be replaced due to wind damage.
- The Excavation Notification request process should be reviewed for improvements to help ensure that excavation does not take place without Navy approval.
- The annual surveys have been conducted in accordance with the ICMP which primarily focus on the community's knowledge of the ICs and their knowledge of the education tools. It is becoming apparent that there are an increasing number of visitors to the island such as bird watchers, commercial and sport fishermen, and hunters. The Navy should endeavor to increase the number of these visitors surveyed annually.
- While the Ordnance Awareness Education Program appears to be working fairly well for island residents, there could be some improvements that would help visitors and new and part time residents. The Navy should consider the recommendations listed in section 5.2 to help improve the Ordnance Awareness Education Program.

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7.0 REFERENCES

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