



Final NAVAL AIR STATION ALAMEDA Restoration Advisory Board (RAB) Meeting Minutes

January 9, 2014

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950 West Mall Square, Alameda City Hall West
Room 140, Community Conference Room
Alameda Point
Alameda, California

N00236_004240
ALAMEDA POINT
SSIC NO. 5090.3.A

The following participants attended the meeting:

Co-Chairs:

Derek Robinson Base Realignment and Closure (BRAC) Program Management Office
(PMO) West, BRAC Environmental Coordinator (BEC), Navy Co-chair

George Humphreys Restoration Advisory Board (RAB) Community Co-chair

RAB Members

Richard Bangert; Susan Galleymore; Carol Gottstein, M.D.; Daniel Hoy; James Leach; Skip McIntosh; Bert Morgan; Bill Smith; Dale Smith; Jane Sullwold; Michael John Torrey

Community Members/Public Attendees

Robert Sullwold

Navy

Bill McGinnis, Lead Remedial Project Manager, BRAC PMO-West
Cecily Sabedra, BRAC PMO-West

Regulatory Agencies

James Fyfe, California Environmental Protection Agency (Cal/EPA) Department of Toxic
Substances Control (DTSC)

Xuan Mai Tran, US EPA

John West, Water Board

City of Alameda

Peter Russell, Russell Resources/City of Alameda (City)

Contractors

Nihal Oztek, Tetra Tech

Tommie Jean Valmassy, Tetra Tech

MEETING SUMMARY

I. Welcome and Introductions

George Humphreys (RAB Community Co-Chair) called the January 2014 former Naval Air Station Alameda (Alameda Point [AP]) RAB meeting to order, and initiated a round of introductions. Derek Robinson (RAB Navy Co-Chair) reviewed the agenda. Mr. Humphreys requested that Co-chair Announcements be moved to Item II, and Community and RAB Comment Period be moved to Item III. The meeting agenda is provided as [Attachment A](#).

II. Co-Chair Announcements

Mr. Humphreys provided a list of documents he received in December ([Attachment B1](#)). Dale Smith (RAB member) provided a list of documents she received from August through December 2013 as the RAB Community Co-Chair ([Attachment B2](#)). One of the documents received was the Final Community Involvement Plan (CIP), issued December 23, 2013. Mr. Humphreys provided his written comments ([Attachment C](#)). Though the document is final, several RAB members had comments to make. Susan Galleymore (RAB member) asked what is meant by final, and if the document will have further updates. Mr. Robinson said updates are conducted periodically; at Alameda Point it has been about every seven years. The purpose of this update was a basic update of site status, RAB details, and contact information. He added that the work at the environmental sites is constantly moving forward, so it is difficult to keep it current. Ms. D. Smith said the recent Finding of Suitability for Transfer (FOST) is a major event and should have been documented in the CIP. She also noted the FOST should have triggered another round of CIP interviews, as it is a major event. She stated this exercise was a total waste of money, and Mr. Bangert concurred. Carol Gottstein (RAB member) said she likes the fact that the names of RAB members were updated, but the rest of the CIP does not reflect input from the current RAB members. She added that the Navy should have just done an addendum to the last update in order to update the contact information. Richard Bangert (RAB member) agreed that the CIP update provided no added value, and does not appear to include any real plan for moving forward.

Mr. Bangert suggested the Navy focus more on engaging the community rather than “involvement”. He said the Navy is unlikely to get community members involved in attending regular meetings, but the newsletter could be used to inform or engage them. He suggested the Navy issue another newsletter similar to the last one, and do a mass mailing to every address in Alameda. Bert Morgan (RAB member) said the CIP itself is too complicated to send to the community and it would be a waste to send the document. He suggested the Navy provide simple information about which projects will be done, how they are being done, and when they will be done.

Mr. Humphreys said he had a follow-on comment to the OU-2B presentation made at the November 2013 meeting. At the meeting the contractor stated that six months of monitoring after the system is shut down would be sufficient. The contractor is relying on the persistence of aerobic conditions to keep contaminant levels low. Because the original conditions of the plume were anaerobic, Mr. Humphreys expects the conditions to return to anaerobic after cessation of air sparging. Mr. Humphreys believes monitoring should be done for two years because that is how long it takes landfills to go from aerobic to anaerobic after air sparging.

Mr. Humphreys discussed a recent article in which a former Building 400 worker said the floor of that building was sagging, so the workers pumped concrete under the floor for a period of two weeks in order to firm up the floor. Mr. Humphreys said he is concerned that activity may have pushed contamination away from Building 400 and towards Sea Plane Lagoon. He asked if the area between Building 400 and Seaplane Lagoon has been sampled for contaminants thought to have been beneath Building 400, and said the Navy should sample in this location.

Mr. Humphreys said there had also been recent articles in the newspaper about a ferry terminal planned for Alameda Point. He said the terminal will be located near the USS Hornet and, like any terminal operation; it will need to fuel the ferries and offload sewage. He is concerned that the City of Alameda will need to dig a new sewer line that would have to go through OU-2B, and that it will need to be completed before the Navy finishes remediation at that site. Mr. Humphreys asked the Navy to make sure the City knows it will not be able to dig sewage lines for a new ferry terminal through active remediation activities.

Mr. Robinson said he has to move the seismic presentation from this meeting to the March meeting. The Navy has an expert on board, but this person needs some time to gather information. RAB members asked for the name of the seismic expert. Mr. Robinson will send an email with the name of the seismic expert who is giving the presentation at the March meeting.

III. Community and RAB Comment Period

James Leach (RAB member) gave a brief presentation about the Pacific Earthquake Engineering Report (PEER). He said he was unable to locate the report specific to the Hayward fault. He provided a few notes about seismically sound structures in California. He said the state requires a special registration for earthquake expertise. There are two indications that an area may be subject to liquefaction: 1) the groundwater in the area is less than 5 feet below ground surface; and 2) the area is constructed of fill, such as the south shore area of Alameda. Mr. Leach said a house is likely to just settle after liquefaction if the house is symmetrical. However, a structure that has a smaller second story may lean if there is liquefaction. Mr. Leach will be going to the United States Geologic Survey (USGS) in Menlo Park and said he can purchase a seismic map there if requested.

Skip McIntosh (RAB member) said the USGS 1551-B summarizes the damage from the Loma Prieta earthquake at Alameda. Mr. McIntosh said the Liquefaction Potential Index (LPI) indicates there is a 71percent probability of liquefaction at Alameda Point. Ms. D. Smith said she read a report that says the buildings were built with pilings, so they are stable, but there was significant liquefaction in the runway area, and it did bring contamination to the surface.

IV. Radiological Contamination in Sediment

Mr. Robinson introduced Matthew Slack (Navy Radiological Affairs Support Office [RASO]) to present the Disposition of Dredge Spoils to Build Former Runway Areas ([Attachment D](#)). Mr. Slack said he has been working on the Alameda Point project for 11 years. During the presentation he explained that lines A and B come from Building 5A and go to the Oakland Inner Harbor. Mr. Humphreys said he thought the Navy found radium in the drain lines beneath Building 5A and asked if that was in lines A and B. Mr. Slack said those radium detections were found outside of manholes in a couple of locations. Mr. Humphreys asked if the dredge spoils

from Seaplane Lagoon could have contaminated the runway area. Mr. Slack said the Navy dredged further out, past Seaplane Lagoon, when creating the runway area.

Mr. Humphreys said radium was detected outside of the waste cells in the landfill, and asked how it would have gotten there. Mr. Slack said that in the 1940s and 1950s, there were no specific waste cells, and material that was dumped may not have been kept within the landfill waste cells. Mr. Robinson said the information Mr. Slack is presenting indicates that the dredging to create the runway area was done before Buildings 5A and 400 were built and Building 5 was under construction. If the radium painting operations had not yet been started, then it follows that the Navy would not yet have discharged radium into the Seaplane Lagoon or Oakland Inner Harbor. Mr. McIntosh asked if the Navy had examined all of the lines from those three buildings. Mr. Slack said the Navy went through lines A, B, and G, cleaned them, ran cameras and meters through them, and screened any sediment that was found in the lines. He added that the lines were old, but operable and intact. For Line F, the Navy removed the line, overexcavated two feet in every direction, collected hundreds of samples, conducted a Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM survey), and put in clean backfill.

V. Site 1 Landfill Cover Remedial Design and Remedial Action

Mr. Robinson introduced Cecily Sabedra (Navy) to provide the update ([Attachment E](#)). During the review of slide 5, Ms. D. Smith said Mr. Humphreys had brought up concerns about the use of a waste isolation soil cover and asked if the Navy had tested the effectiveness of such a cover. Ms. Sabedra said the Navy provided multiple examples of the same type of cover being used at landfills. Mr. McIntosh said he feels the examples provided were not adequate because they were used at areas not comparable to the landfill at Site 1. Ms. Sabedra explained the cover will be permeable, and will not include a rodent barrier. However, required maintenance will include rodent management. She said the cover will consist of 3 feet of soil topped by six inches of topsoil and vegetative cover.

During the review of slide 6, Bill Smith (RAB Member) asked what the specific Land Use Controls (LUCs) will be. Ms. Sabedra said once the cover is in place, there will be no physical controls. However, there will be use restrictions, limiting the site for recreational use and prohibiting other uses, such as residential. Mr. Bangert and Jane Sullwold (RAB member) asked why a rodent barrier is not being used on the Site 1 landfill cover, when one was used at Site 2. Mr. McGinnis explained both covers are good engineering designs that meet the same protectiveness requirements, they are just different. Ms. Sabedra suggested an alternative to a rodent barrier, such as shooting or trapping the rodents. Mr. Bangert was against poisoning animals because of potential effects on other animals. Other RAB members suggested it was a barbaric solution of unnecessary pain.

Ms. D. Smith asked that the Navy consider mitigation of impacts on local wildlife during construction at the site since there will be major site destruction. Ms. Sabedra said they will have a biological monitor on site to reduce the impact on wildlife.

VI. Approval of Meeting Minutes/Review Action Items

Mr. Humphreys asked for comments on the draft November 14, 2013 meeting minutes.

Mr. Torrey made the following comment:

- Page 3, Section IV, last sentence: change “determined” to “suggested.”

Ms. D. Smith made the following comments:

- Page 3, Section V, last paragraph: remove “the rest” so it reads “...to treat the site.”
- Page 3, Section V, last paragraph, fourth sentence: change “said” to “speculated”, so it reads “Mr. McGuire speculated active treatment...”

Mr. Humphreys made the following comments:

- Page 2, last paragraph after the first sentence insert the following sentence: “The method selected at the Department of Energy Savannah River facility used vegetable oil and 60-foot-deep injection.
- Page 3, Section V, first paragraph, add the following as the last sentence to the paragraph: “Mr. Humphreys said he thought PCE (tetrachloroethene) was the primary source of DNAPL and TCE (trichloroethene) was a degradation product.

Mr. Robinson reviewed the action items.

The minutes were approved with the preceding changes incorporated. The next RAB meeting will be held on Thursday, March 13, 2014.

Action Items:	Previous Item #/ Action Item Status/ Action Item Due Date:	Initiated by:	Responsible Person:
1. Request for Presentations: a. OU-2A Tarry Refinery Waste and Rail Cars b. Liquefaction during a seismic event	a. Pending b. Planned for March 2014	a. RAB b. RAB	Mr. Robinson
2. Navy to look into video-conferencing capabilities at various Alameda locations	Ongoing	RAB	Mr. Robinson
3. OU-5/FISCA IR-02 Navy to investigate whether a return to anaerobic conditions after cessation of biosparging will result in contaminant concentrations at groundwater/soil interface	Pending	Mr. Humphreys	Mr. Robinson
4. Navy to locate the Loma Prieta seismic report for AP (Pacific Earthquake Engineering Report (PEER))	Pending J. Leach was unable to locate the report	Ms. D. Smith	Mr. Robinson
5. Provide the name of the seismic expert who will make a presentation at the March 2014 RAB meeting.	Complete	RAB	Mr. Robinson
6. Confirm the upcoming documents list is still accurate and distribute it to the RAB	Complete	RAB	Mr. Robinson

ATTACHMENTS

NAVAL AIR STATION ALAMEDA RESTORATION ADVISORY BOARD MEETING ATTACHMENTS

- A. Naval Air Station Alameda Restoration Advisory Board Meeting Agenda, January 9, 2014 (1 page)
- B1. Documents Received December 2013 – provided by George Humphreys
- B2. Documents Received August - December 2013 – provided by Dale Smith
- C. Comments on the Community Involvement Plan of December 2013 - provided by George Humphreys
- D. Disposition of Dredge Spoils to Build Former Runway Areas (14 slides)
- E. Site 1 Landfill Cover Remedial Design and Remedial Action

RESTORATION ADVISORY BOARD

NAVAL AIR STATION, ALAMEDA

AGENDA

JANUARY 9, 2014, 6:30 PM

**ALAMEDA POINT – 950 WEST MALL SQUARE, ALAMEDA CITY HALL WEST
SUITE 140/COMMUNITY CONFERENCE ROOM**

(FROM PARKING LOT ON W. MIDWAY AVENUE, ENTER THROUGH MIDDLE WING)

<u>TIME</u>	<u>SUBJECT</u>	<u>PRESENTER</u>
6:30 – 6:35	Welcome and Introductions	Community and RAB
6:35 – 6:50	Community and RAB Comment Period*	Community and RAB
6:50 – 7:10	Co-Chair Announcements	Co-Chairs
7:10 – 7:40	Radiological Contamination in Sediment	Mathew Slack, RASO
7:40 – 8:10	Site 1 Remedial Design/Remedial Action	Navy Representative
8:10 – 8:30	Approval of Minutes	RAB
8:30	RAB Meeting Adjournment	

* If there is time at the end of the agenda, additional comments will be taken.

List of Documents Received
During December 2013

1. "Draft, Soil Remedial Action Work Plan, Operable Unit 2B, Installation Restoration Sites 3 and 4, Alameda Point, Alameda, California", Dec. 11, 2013, prepared by Arcadis U. S., Inc. for Naval Facilities Engineering Command Southwest.
2. "Final, Community Involvement Plan, Alameda Point, Alameda, California." Dec. 23, 2013 prepared by Base Realignment and Closure, Program Management Office West, San Diego, California under Naval Facilities Engineering Command.
3. "Draft Final, Remedial Design and Remedial Action Work Plan, Operable Unit 2A, IR Sites 9, 13 and 19, Alameda Point, Alameda, California." Dec. 30, 2013, submitted by CAPE, prepared by Geosyntec for Naval Facilities Engineering Command, BRAC Program Management Office West.

Documents Received
August 2013 – December 2013

Navy Communication

1. *Draft Final Amendment to the Site Management Plan*, Department of Defense, Department of the Navy, August 8, 2013
2. *Final Pre-design Investigation Work Plan, OU2B, IR Sites 3, 4, 11 and 21*, Arcadis, August 23, 2013
3. *Draft Remedial Action Completion Report, IR Site 34*, ERS-Joint Venture, September 6, 2013
4. *Final Site Inspection Addendum for Time-critical Removal Action, IR Site 33*, Oneida Total Integrated Enterprises, October 29, 2013
5. *Draft Remedial Action completion Report, IR Site 17, Seaplane Lagoon*, TetraTech, November 8, 2013
6. *Final Remedial Action Work Plan, Revision 1, IR Site 2*, TetraTech, November 19, 2013
7. *Final Community Involvement Plan*, Trevet, December 23, 2013

Community Involvement Plan Of December 2013

The Community Involvement Plan (CIP) was disappointing because it already appears to be outdated. Although the list of Navy and Agency representatives has been updated, some other important aspects were not. Some examples follow:

1. Section 5.4, "Property Transfer" does not include the major property transfer to the City that occurred in 2013.
2. Table 6-1, "Alameda Point Site/Areas Description" has only been updated to Dec. 2012. As a result, very significant 2013 remediation progress was omitted. Examples include; Site 2 soil importation and grading, Site 17 dredging of the seaplane lagoon, Site 24 dredging.
3. The community interviews section is badly outdated. Interviews reference President George W. Bush and BEC Pat Brooks. (About 5 years out of date)



Disposition of Dredge Spoils to Build Former Runway Areas

Alameda RAB Meeting Alameda Point

Matthew Slack
Naval Radiological Affairs Support Office
January 9, 2014



Overview



- Radium Paint Shop History at NAS Alameda
- Building 5/5A Construction Dates
- Sewer and Storm Drain Diagram
- Estimated Dredge Disposition Dates
- Alameda Historical Aerial Photographs
 - 1937-1943



Application and Removal of Radium Paint



- Paint applied to allow instruments to glow in the dark
- Application/Removal of Radium Paint
 - Building 5 1941-~1950's
 - Building 400 1950's -1970's
- Liquid waste disposed via Storm Drain System.
- Drain lines from the instrumentation shops in Buildings 5 and 400 discharge into Seaplane Lagoon via Storm Drain Line F
- Data collected from Line F and Seaplane Lagoon confirmed radium contamination



3



Application and Removal of Radium Paint



- Lines A and B discharge into Oakland Inner Harbor
- Connect to Building 5A
- Building 5A built 1945
- Lines A and B not connected to Instrument Shop in Buildings 5 or 400
 - Not suspected as being source or radium contamination from radium painting operations
- Samples collected in the Fed Parcel 1A (surface and to depth) did not indicate elevated radium contamination



4



Building 5/5A Construction Dates

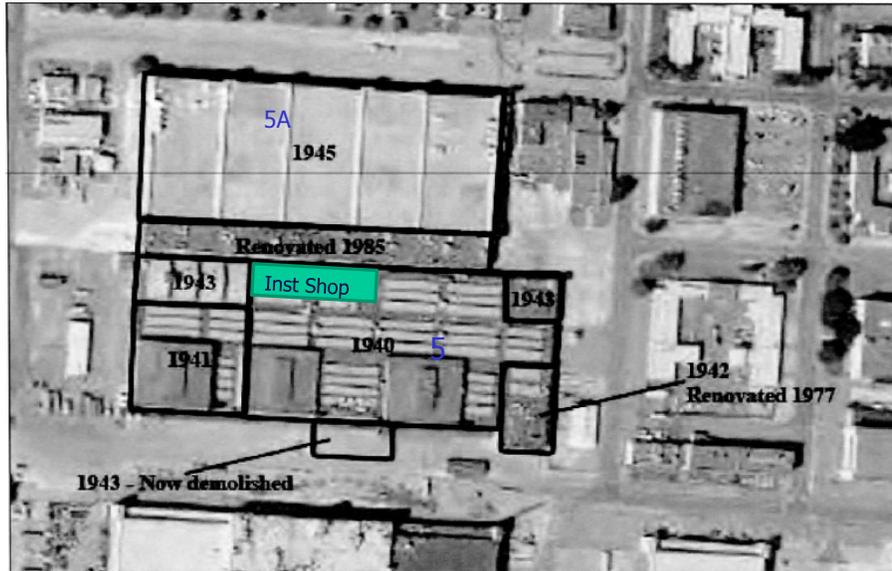


Diagram: Showing the development of Building 5 and 5A. Construction dates for each section is given.

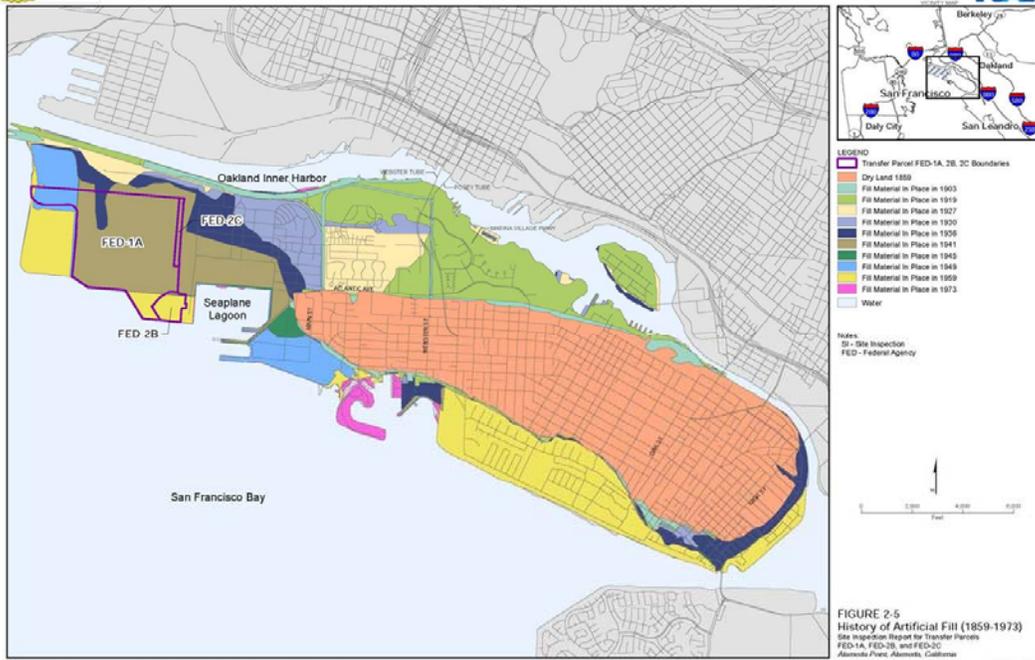


Storm/Sewer Lines from Building 5





History of Artificial Fill (1859-1973)



1937





1938



9



1938



10



1940



11



1940



12



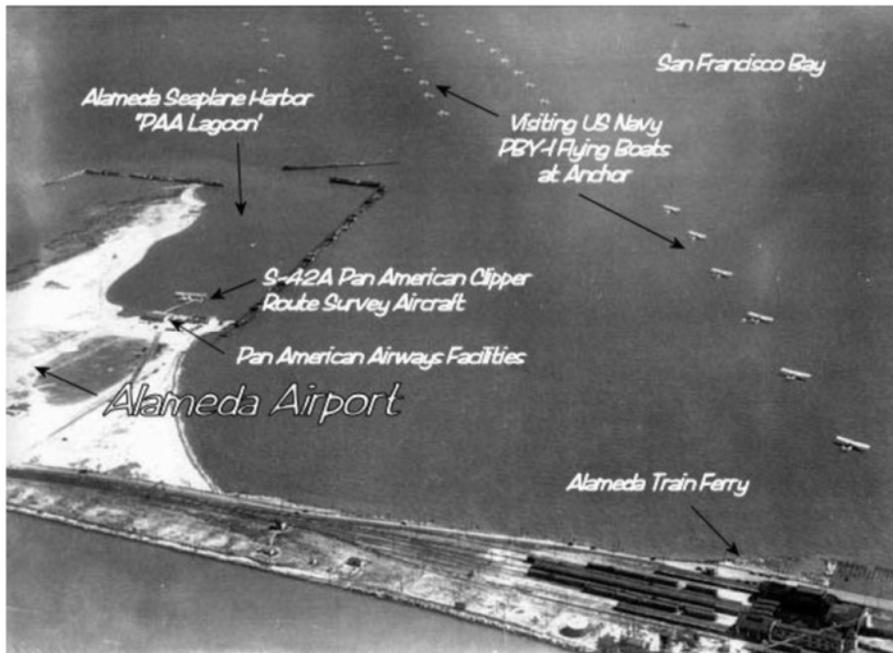
1943



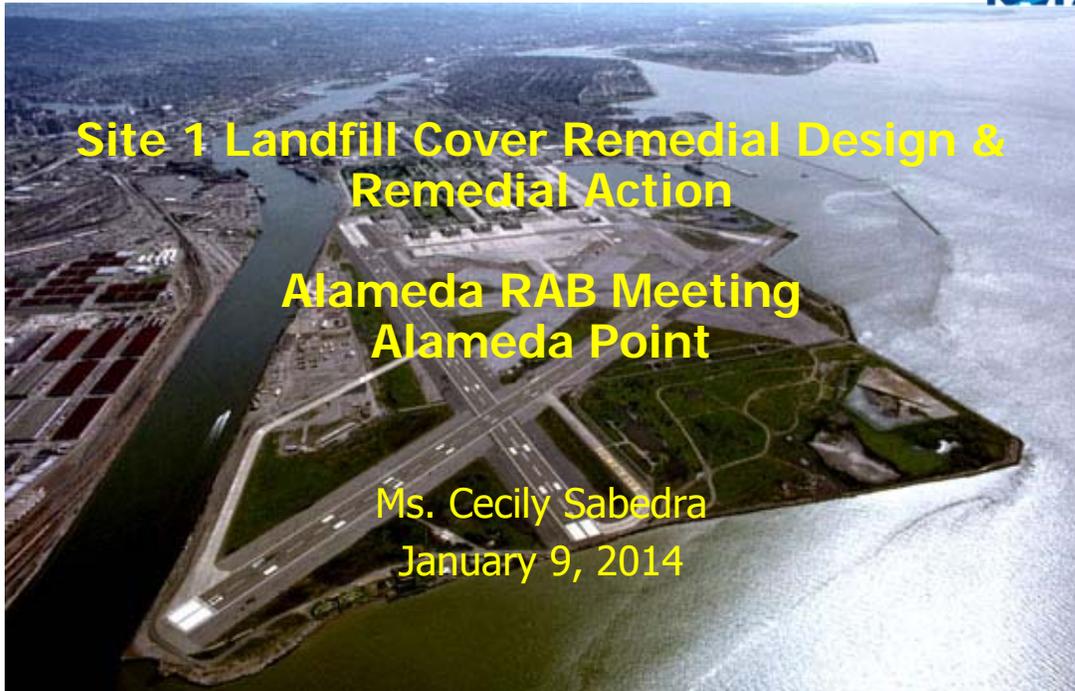
13



Questions?



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Site 1 Landfill Cover Remedial Design & Remedial Action

Alameda RAB Meeting Alameda Point

Ms. Cecily Sabedra
January 9, 2014



- Purpose
- Overview of Document
- Soil Remedy
- Other Sections of Interest
- Schedule



Overview of Document

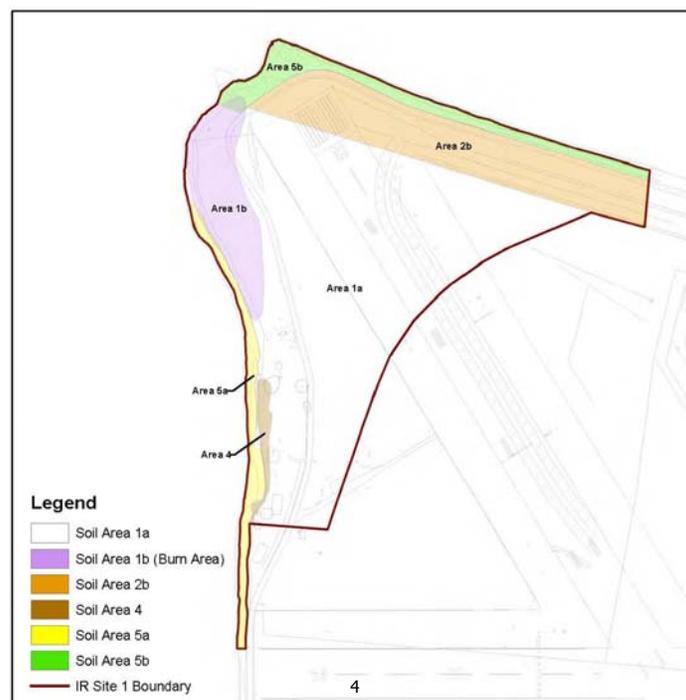


- Section 1 – Objective
- Section 2 – Work Plan Organization
- Section 3 – Site Description and Characteristics
- Section 4 – Remedial Action Approach and Performance
- Section 5 – Summary of Design Basis
- Section 6 – Remedial Action
- Section 7 – Project Requirements
- Section 8 – Land Use Controls

3



Soil Remedy Areas



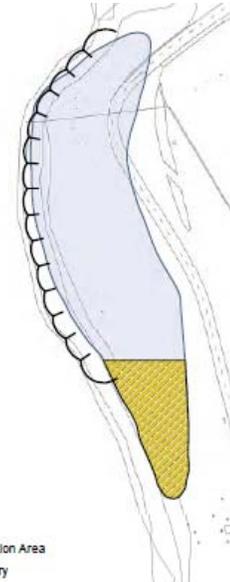
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Soil Remedy Overview



- Areas 1a, 1b, 2b, 4, and upland portions of 5b
 - Waste Isolation Soil Cover
- Shoreline Remedial Action Area
 - Select excavations
 - Waste Isolation Cover
- Burn Area Remedial Action Area
 - Select excavations
 - Waste Isolation Bulkhead
 - Waste Isolation Cover
- Land Use Controls



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Soil Remedy



- Selected remedy for each area – Section 4.2
- Design basis – Section 5
 - Characterization, Calculations, Soil Placement
- Construction procedures – Section 6.2 and 7.1
- Environmental Management – Section 7.3

6

3



Other Sections of Interest



- Wetland Mitigation Plan – Appendix B
- Sediment Control Plan – Appendix C
- Data Gap Investigation – Appendix F
- Design Drawings – Appendix H
- Design Calculations – Appendix J



Schedule



- Pre-Design Investigation – 2010-2012
- Final RD/RAWP Approved by Agencies - April 2014
- Remedial Action Construction Begins - May 2014
- Operation & Maintenance/Long Term Monitoring Plans Submitted – November 2014
- Remedial Action Construction Ends - February 2015
- Remedial Action Completion Report - April 2015



Questions?

