FINAL
Former Naval Station Treasure Island
Restoration Advisory Board (RAB) Meeting Minutes

Meeting 179 20 October 2015

Community Restoration Advisory Board (RAB) Members in attendance:
Nathan Brennan, John Gee, Becky Hogue, Alice Pilram (Community RAB Co-Chair)

Department of the Navy and Regulatory Agency RAB Members in attendance:
Keith Forman, Navy RAB Co-Chair
Myriam Zech, San Francisco Bay Regional Water Quality Control Board (Water Board)

Other Navy and Regulatory Staff and Consultant Representatives in attendance:
Dave Clark, Navy
Yashekia Evans, Tetra Tech, Inc.
Katie Henry, Tetra Tech, Inc.
Quinn Johnson, Tetra Tech, Inc.
Ulrika Messer, Chicago Bridge & Iron (CB&I)
Lee Saunders, Navy
Raymond Schul, CB&I
Tommie Jean Valmassy, Tetra Tech, Inc.
Chris Yantos, Navy

Public Guests in attendance:
Bob Beck, Treasure Island Development Authority (TIDA)
Erick Brown, Catholic Charities CYO
Carol Harvey, journalist
Kevin Kempf, resident
Kathryn Lundgren, resident
Dan Stone, The Villages
Elizabeth Washington, resident

Welcome Remarks and Agenda Review
Keith Forman (Base Realignment and Closure [BRAC] Environmental Coordinator [BEC]) opened the October RAB meeting for the Former Naval Station Treasure Island (NAVSTA TI) held at the Casa de la Vista (Building 271) on Treasure Island (TI). Mr. Forman introduced Dave Clark, the Navy's Lead Remedial Project Manager for NAVSTA TI.

Mr. Forman said the Navy is hosting a community bus tour on Saturday, October 31 at 10:00 a.m. Details including contact information for reserving your seat are available at the sign-in table.

Alice Pilram (RAB community co-chair) reviewed the agenda (Attachment A). Mr. Forman asked that community members use the microphone when making

comments or asking questions, and hold their questions to the end of the presentation. Ms. Pilram noted there is also a general community question and answer period at the end of the agenda.

Old Business – RAB Minutes Approval
Minutes for Meeting 178 August 2015 were approved final as submitted.

Old Business – BRAC Cleanup Team Update
Myriam Zech (Water Board) said her agency reviewed several documents, including the Site 31 Remedial Action Completion Report (RACR) and the Site Management Plan (SMP), and discussed updates to the Site 24 Record of Decision (ROD). In addition, the Water Board has been updating GeoTracker, which is a document database accessible to the public. It is similar to Envirostor, which is hosted by DTSC.

New Business – RAB Standard Operating Procedures Update

Ms. Pilram said the RAB would like to propose some updates to its Standard Operating Procedures (SOP). Nathan Brennan (RAB member) proposed the following updates:

- Page 4, under item 5, Participation, line a: change "comments may be limited to a maximum of two minutes…" to "comments may be limited to three minutes per speaker per agenda item."

- Page 4, item 3, RAB Procedures, change "meeting location will normally be at the Casa de la Vista" to "meeting location will be at a convenient location on Naval Station Treasure Island."

There were four community RAB members present who voted to approve the updates to the SOPs, effective immediately. The updated SOPs are included as Attachment B.

New Business – Field Work Update: Site 12

Mr. Forman introduced Chris Yantos (Navy) to present the update on the field work in Site 12 (Attachment C). Mr. Yantos said there are three disposal areas that are being excavated, and he will discuss the progress since the last RAB meeting 60 days ago.

Mr. Yantos said the three disposal areas are North Point, Bayside, and Westside. The planned excavation at North Point is 91 percent complete. Since the previous RAB meeting, debris was discovered beneath Building 1235. This means Building 1235 will have to be demolished. The area surrounding Building 1235 will have to be backfilled to allow access for demolition, so the demolition will not take place

until February 2016. After building demolition, the debris in the building footprint will be excavated.

Mr. Yantos said the planned excavation at Bayside is about 63 percent complete. There is an extra step of looking for munitions at the Bayside disposal area. Munitions debris was found at a historic burn area within Bayside, and even though it did not pose a danger, munitions experts have been brought to the site to scan for munitions prior to additional removal activities. Mr. Yantos noted that 66 radiological objects were found so far at Bayside, which, as expected, is more than were found at North Point.

Mr. Yantos showed a figure from the Historical Radiological Assessment Supplemental Technical Memorandum (HRASTM) where the Historic Burn Area was identified. It was located beneath the footprint of former Buildings 1207 and 1209. Low level radiological objects (LLROs) and burn debris were found within the Historic Burn Area.

Mr. Yantos showed a photograph of "size reducing" concrete, where concrete from former building slabs is broken into smaller pieces in order to be reused or disposed of. During the review of slide 14, Mr. Yantos noted that the water in the excavation at Bayside is water intrusion. The Navy did not add the water into the excavation, this is groundwater seeping in through the sidewalls.

Mr. Yantos said the excavation at Westside is proceeding. There are radiological waste storage containers at this site that must be sorted. The contractors are in the process of that sorting and will be done within the next week. Once the containers are sorted, the concrete building slabs will be removed, then further excavation will begin. There is an area of deep debris near Building 1321 that will be excavated to a depth of approximately 10-14 feet. Mr. Yantos explained that this deep debris area is located at the end of a former runway. Because there was little other practical use for land at the end of a runway, it was common to dispose of debris there. Because the excavation will be so deep, contractors have to find a way to reinforce the excavation sidewalls so they do not collapse in. Vertical rails are inserted in a box formation, and panel shoring is inserted. An example of this reinforcement engineering is shown on slide 19.

On slide 20, Mr. Yantos showed photographs of the radiological storage waste containers, also called B-25 boxes, that are being sorted. They must be sorted to see if there are any munitions, because any potential munitions cannot be disposed of with the radiological material. The boxes are sorted inside a tent to ensure all the material in the boxes is separated and contained. The material is visually

inspected by munitions experts, then radiological experts sort any radiological objects, and scan the storage containers.

Mr. Yantos reviewed slide 23, which notes that the cumulative total at NAVSTA TI is 699 LLROs found so far. He said a few more have been found in the last day or two, since this slide was prepared, and now the total is just over 700. The table on slide 23 gives a general idea of how the LLROs are tracked. Each one is given a unique tracking number, a description of the item and the location where it was found, and the radiological activity detected. The information will be given to a waste broker, who will coordinate proper disposal of the items.

Mr. Yantos provided a recap of dust and air monitoring procedures for the project. Dust monitoring provides a first line of defense for the on-site workers and the public, and is conducted during all "earth moving" work. In addition, the Navy follows regulations put forth by the Bay Area Air Quality Management District regarding field work. Links to various websites can be found on slide 25. Mr. Yantos said, to-date, there have been no exceedances for dust or any chemicals of concern.

During the review of slide 27, Mr. Yantos showed a photograph of a weather station, located at Building 570 on TI. The weather station is linked to a computer, which gives a continuous readout in the contractor's office. The on-site job superintendent will receive an alarm on their phone if wind is sustained at a speed equal to or greater than 25 miles per hour (mph).

Mr. Yantos reviewed the schedule for this field work, noting the end date is later than initially planned because of the addition of Building 1235 demolition to the current contract. Mr. Yantos also reviewed photographs of typical signage at the fenced areas and asked residents to recognize and follow the instructions on the signs prohibiting access.

Ms. Hogue asked why North Point Drive had to be closed to through traffic. Mr. Yantos said they have to excavate more soil and debris at North Point than initially expected. Because the soil is underwater, it has to be dried before it can be transported to one of the screening pads. Therefore, part of the street must be used as a drying area.

Ms. Hogue said she had raised concerns recently about shaking at her residence. She said she believes it could have been the concrete "re-sizing" that was mentioned during the presentation. Mr. Yantos said that is possible. He added

that there are several methods for breaking up concrete, and the Navy chose the method that they thought would be the least intrusive.

John Gee (RAB member) asked if the water that intrudes into the excavation areas is tested for contaminants. Mr. Yantos said the water in these excavations is monitored during the basewide groundwater monitoring program at NAVSTA TI, and he does not believe there are currently any issues with the groundwater at Site 12. Mr. Clark said there have been groundwater monitoring wells at Site 12 for years, and the results are published in the groundwater data reports.

Ms. Pilram said she has noticed mosquito activity near her residence and asked if the standing water in these excavations is a breeding ground for mosquitos. Mr. Yantos said there was an area near former Building 1321 with some standing water, and mosquito abatement pellets were put there to eliminate them. He added that the salinity of the water in these excavations is likely too high for mosquitos. Mr. Forman said that the Navy's Caretaker Site Office traced mosquitos last year, and there were some standing ponds of fresh rainwater where they were breeding. So puddles from rain or landscape watering may be a breeding ground. Mr. Yantos said he will look into the matter.

Kathryn Lundgren (resident) said in the future she would like a question and answer period for each person that is the same length as the presentation. She said the water in the excavations may not be as saline as suspected; she believes ducks, frogs, and fowl are breeding and plants are living in that water.

Ms. Lundgren asked what the difference is between LLRO and low-level radiological waste (LLRW). Mr. Yantos said LLRW is soil that is collected in bins. LLROs are typically discreet objects.

Ms. Lundgren asked for clarification about the migration of contamination in the disposal areas. She said she believes with all of the ground-shaking work it must migrate into other areas. Mr. Yantos said the debris is distinct, and when a pocket of debris is found, the contractor can usually find all of it and remove it.

Ms. Lundgren asked if the Navy is including benzene, arsenic, and various pesticides in the suite of chemicals being tested. Mr. Yantos said these disposal areas were previously tested, and the Navy characterized what was in the waste at the time. So they continue to test for dioxins, lead, polychlorinated biphenyls (PCBs) and polycyclic aromatic hydrocarbons (PAH).

Ms. Lundgren asked when the Navy will address the burn pit area close to Building 1201. Mr. Clark said that will be part of a different project, the remedial action for Site 12, and will take place in the 2017 or 2018 time-frame. Ms. Lundgren asked if the Navy would be moving her and other residents out by 2017. Mr. Clark

said resident relocations are dependent upon each project. Ms. Lundgren said she would like to know why the area in front of her residence has not been investigated. Mr. Forman said that Site 12 has been thoroughly sampled, tested and screened, and that all the areas requiring remediation will be carried forward in the cleanup program.

Carol Harvey (journalist) asked to see the slide with the LLRO chart again (slide 23). She asked if the chart will be available on the Navy's website. Mr. Yantos said the full chart will be available in the completion report for the project. He noted the chart for objects 1 through 610 can already be found in the HRASTM document. Items past 610 will be documented in the completion report, likely around August 2016. Ms. Harvey said she took a video of the slide with her camera, and asked if her video is the only way that information is available now. Mr. Yantos said the project is ongoing, so the chart will continue to be updated. When the project is complete, a complete chart will be in the final completion report. He reiterated that the information for the first 610 LLROs is available in the HRASTM document. He asked Ms. Harvey if there is specific information she is looking for that he can help her with. Ms. Harvey said she wants to be able to look over the full chart. Mr. Forman noted that the slides being presented tonight are printed hard-copy and on the handout table at this meeting.

Ms. Harvey said she recalls that wind has to be sustained at 25 mph for a certain length of time before work would halt, and asked what that duration is. Ulrika Messer (CB&I) said the duration is 5 minutes; wind must be sustained at an increase speed for 5 minutes before work is halted.

Kevin Kempf (resident) thanked Mr. Forman and Mr. Yantos for calling her about questions she has had about dust and air monitors. She would like to request a personal dust monitor, or the use of any air monitors that are available for residents. Ms. Kempf said she understands there may be a cost involved, but as a good-faith measure she would like a monitor that she and other residents can use. Ms. Kempf said she, her daughter, and her dog have all had health issues and the data from a monitor might help her better see what is going on at her home. Ms. Kempf said she has also been told she may speak to the regulators and wondered if any are present at this meeting. Mr. Forman pointed out Ms. Zech.

Mr. Clark said, as was discussed previously, a monitor being used at a personal residence would not provide any real information or help to answer any questions Ms. Kempf may have. It would be too far from where the work is taking place to provide meaningful data. Mr. Yantos added that while all of the air monitors may not all be used at the same time that does not mean there are extra. They are ready

to be used depending on where work is taking place at any given time, and on some days there are multiple active work locations, each requiring air monitors.

Elizabeth Washington (resident) asked where the munitions are sent, and what is the protocol for tracking and disposing of them. Mr. Yantos said that to-date, all that has been found are munitions debris, like bent shell casings, that posed no explosive hazard. There is an Explosives Safety Submittal (ESS) that dictates that munitions professionals be on site. All soil is taken to screening pads, and that is where items may be discovered. However, to-date, no munitions have been found.

New Business – Document Tracking Sheet and Field Schedule

Mr. Clark presented the Document Tracking Sheet (Attachment D) and the Field Schedule (Attachment E). Documents coming up for review in the next 60 days are highlighted in yellow, and comments due in the next 60 days are highlighted in blue.

New Business – Co-Chair Announcements and Future Agenda Items

Ms. Pilram reminded attendees that there is a bus tour on Saturday, October 31, 2015, and the bus will load in front of the Ship Shape Community Center. Ms. Pilram also announced that the December meeting will be preceded by a holiday potluck for RAB members, beginning at 6:00 p.m.

Community Question and Answer Period

Ms. Lundgren said last meeting it was noted the Navy uses Rhino Snot on soil stockpiles, and asked what Rhino Snot is. Mr. Yantos said that is one vendor's name for a soil tackifier. Ms. Lundgren asked if it is a polymer, and what its condition is as it degrades. Mr. Forman said it is a polymer, and it is a non-toxic product approved by US EPA as a soil tackifier.

Ms. Lundgren asked for a list of all of the materials used in the pipes on NAVSTA TI. Mr. Clark said he does not have a complete list, but agreed with Ms. Lundgren that plastic, ceramic, clay, and wood might all be common materials used historically for storm drain pipes, along with steel for force mains.

Ms. Lundgren said TI is very windy and dusty, and the 25mph wind speed guideline is not protective.

Ms. Harvey said the videos she takes of the RAB meetings are available on her YouTube Channel, carolharveysf. She said she agrees that the 25 mph sustained wind speed is not protective. She believes residents should have personal dust

monitors that they can wear, and noted the biggest health problems on TI are asthma and other respiratory problems.

Ms. Harvey asked Bob Beck (Treasure Island Development Authority) about the vibro-compaction testing recently done on TI. She said it is documented that the vibro-compaction caused sink-holes all along the island and asked what the follow-up to the test will be. Mr. Beck said Ms. Harvey's characterization of the results of the test is inaccurate. There were no pipe failures. The results of the test were that it achieved the local compaction of soil that was desired. Therefore, when geotechnical improvements of TI proceed, the same methodology will be used.

Closing Remarks

Mr. Forman said he wanted to provide context about the Navy's Installation Restoration program for attendees. Nothing about the Navy's program is arbitrary. Rather, the Navy's program is heavily regulated, monitored and inspected. Appropriate regulations at the local, state, and federal level guide the program, and the Navy receives approval from the regulatory agencies for all of the work it does. Ms. Lundgren said the regulatory agencies are not watching TIDA or the leasing companies, and that is a problem. Mr. Forman said if that is a problem, then another venue is more appropriate to raise those questions and concerns.

Mr. Forman thanked everyone for attending. The next RAB meeting will be Tuesday, December 8, 2015. The meeting was adjourned at 8:46 p.m.

NAVSTI RAB Action Items

#	Action Item	Due Date	Status
	None	NA	NA

20 October 2015 RAB Meeting Handouts

- Attachment A: NAVSTA TI RAB Meeting No. 179 Agenda
- Attachment B: Updated RAB Standard Operating Procedures
- Attachment C: Site 12 Field Work Update
- Attachment D: Document Tracking Sheet
- Attachment E: Field Schedule

AGENDA
NAVAL STATION TREASURE ISLAND
ENVIRONMENTAL RESTORATION ADVISORY BOARD MEETING
Tuesday, 20 October 2015
Casa de la Vista Building 271, Treasure Island
MEETING NO. 179

I. WELCOME REMARKS AND AGENDA REVIEW

7:00 – 7:05 Welcome, Introductions
Lead: Keith Forman, Navy Co-Chair

7:05 – 7:10 Agenda Review
Lead: Alice Pilram, Community Co-Chair

II. OLD BUSINESS

7:10 -7:20 RAB meeting Minutes Approval
Minutes 178
Lead: Keith Forman, Navy Co-Chair

7:20 – 7:30 BRAC Cleanup Team Update
Leads: DTSC and Water Board

III. NEW BUSINESS

7:30 – 8:15 TI Field Work Update: Site 12
Leads: Chris Yantos
Presentation Q&A : RAB
Presentation Q&A : Community

8:15– 8:30 Document Tracking Sheet and Field Schedule
Lead: Dave Clark, Navy

8:30 – 8:40 Co-Chair Announcements and Future Agenda Items
Leads: Alice Pilram and Keith Forman

IV. COMMENTS ON NON-AGENDA ITEMS

8:40 – 9:00 Community Question and Answer Period
Lead: Keith Forman, Navy Co-Chair

9:00 Adjourn

Next Regular Meeting: No November 2015 Meeting

7:00 pm Tuesday, December 8, 2015
Casa de la Vista, Treasure Island

Next Treasure Island Citizen's Advisory Board (CAB) Meeting: See the web site for latest dates and times for future meetings: www.sftreasureisland.org

Next Interim RAB Community Member Conference Call: 7:00 p.m. Tuesday, 17 November 2015

Navy BRAC Web Site: http://www.bracpmo.navy.mil (click on map for Treasure Island)

*Navy San Diego Office Address:

Director
Navy BRAC PMO West
33000 Nixie Way
Building 50, Attention Keith Forman
San Diego, CA 92147

Keith Forman: *(619) 524-6073
Local phone number (unchanged) (415) 308-1458

*Note, this address and phone are new as of July 20, 2015

NAVAL STATION TREASURE ISLAND
RESTORATION ADVISORY BOARD

Standard Operating Procedures

Updated October 2015

I. Mission Statement

A. The purpose of the Naval Station Treasure Island Restoration Advisory Board (NSTIRAB), here after referred to as the Board, is to promote community awareness and obtain constructive community input on all environmental restoration actions to achieve the cleanup and conversion of Naval Station Treasure Island property. It will disseminate information about the Navy's Installation Restoration Program to ensure that input regarding the environmental restoration reflects the diverse interests of the community. The Community Members serve on the Board in an advisory capacity along with the U.S. Environmental Protection Agency, Department of Toxic Substances Control (DTSC), Regional Water Quality Control Board (Water Board) Remedial Project Managers and the Navy Base Realignment and Closure [BRAC] Environmental Coordinator (BEC).

B. Since the Board's primary function is to make recommendations on environmental issues, it is not involved in determining or evaluating other uses for the Island.

II. Organization

A. The Board will be composed of a Navy Co-Chair, a Community Co-Chair, Community Members, the BRAC Cleanup Team (BCT) and other Government Agencies. The BCT consists of the BEC (who is also the Navy Co-Chair), the DTSC Representative, the Water Board Representative, and may include the U.S. Environmental Protection Agency Representative.

B. The Community Co-Chair will be nominated and selected by the Community Members, and will serve for a minimum of one year. The Co-Chair can be replaced or re-elected by a simple majority of the Community Members. Neither the Navy Co-Chair nor any member of the BRAC Cleanup Team or other members of the Board may participate in the selection of the Community Co-Chair.

C. The Community Members, collectively hereafter referred to as the RAB, will be made up of volunteers selected to achieve the objectives of the Mission Statement. Volunteers, representing themselves, or as part of an organization will clearly be defined in a RAB community member roster. In the event a member is aware that an alternate will need to be appointed to substitute for that members' participation, an alternate member may be considered by the other members, by consent.

III. Responsibilities

A. Navy Co-Chair

1. Provide location for meetings.
2. Produce agenda with input from the Board.
3. Produce the minutes for approval by the RAB.
4. Communicate with RAB members.
5. Advertise meetings at least 7 days prior to meeting date.
6. Ensure that the RAB is informed of documents for review. Allow for appropriate review. Ensure that all members have access to documents, or are supplied documents, if requested.
7. Respond to community issues, concerns, questions and comments in an appropriate and timely manner.
8. Maintain a mailing list of people interested in cleanup activities on Naval Station Treasure Island.
9. Ensure that adequate administrative support to the RAB is provided.
10. Ensure that the RAB has the opportunity to participate in the restoration process.
11. Provide guidance documents, etc., to the RAB to enhance the operation of the RAB.
12. At the request of the Community Co-Chair, solicit and advertise for new RAB members in accordance with the Navy guidelines.

B. Community Co-Chair

1. Provide input to the Navy Co-Chair and the BCT on concerns of the RAB.
2. Suggest agenda items after consultation with the Navy Co-Chair, the RAB and the BCT as appropriate.
3. Coordinate as required with the BCT and Navy Co-Chair to ensure RAB questions and concerns are answered in an appropriate and timely manner.
4. Ensure that the RAB participates in an open and constructive manner.
5. Serve without compensation.
6. Call to vote by simple majority any procedural or RAB operational issues.
7. Ensure that both the majority and minority viewpoints are summarized and included in the minutes.
8. Request the Navy Co-Chair to solicit and advertise for new RAB members, as necessary.

C. Community Members

1. Represent the community and provide input to the Navy Co-Chair, Community Co-Chair, and BCT on community concerns and interests regarding environmental issues, responses and activities.

2. Attend regularly scheduled meetings and will make every effort to arrive for meetings on time.

3. Provide presentations and explanations of cleanup activities to community groups as appropriate. Reports of such presentations to the community will be disclosed to the Board.

4. Act as a conduit for the exchange of information between the community and the Board regarding NSTI's installation restoration program.

5. Participate in regularly scheduled conference calls and will make every effort to join the parties on time.

D. BRAC Cleanup Team and Other Government Agencies

1. Provide input to the RAB concerning compliance with applicable regulations, and other procedures as appropriate for installation restoration projects.

2. Communicate with RAB members, providing professional advice and input.

3. Provide information, referrals and resources for communities, installations and agencies regarding installation restoration.

4. Facilitate innovative resolutions of environmental issues and concerns.

IV. Meeting Attendance

A. Regular attendance is required for continued RAB membership. Whenever possible, if a member cannot attend a regular scheduled meeting, the Navy Co- Chair or Community Co-Chair will be advised by that member.

B. After two consecutive missed meetings for which there is no explanation given, the Navy Co-Chair, the Community Co-Chair, or a representative will contact the member to inquire whether continued membership is appropriate.

C. After three consecutive missed meetings or conference calls for which there are no notifications given, and/or if the Navy Co-Chair or Community Co-Chair is unable to contact the member, written notification may be sent to the member. This notification will state that, unless either the Navy Co-Chair or Community Co-Chair is informed otherwise within 30 days, it will be assumed that the member is no longer interested in continuing as a member. Upon the elapse of the 30 days, the member will be removed from the RAB.

D. The Navy Co-Chair will advise the Community Co-Chair or vice-versa that, based on the information pursuant to Sections B and C above, a replacement or new RAB member may need to be recruited to maintain an active and productive RAB.

E. The public are encouraged to attend as members of the general audience, and is encouraged to participate in that capacity.

V. Participation

A. Comments will be voiced during the appropriate sections of the agenda, and comments may be limited to a maximum of three minutes per speaker per agenda item.

B. General comments, or comments unrelated to discussion at hand will be held until an appropriate time, generally at the end of the meeting reserved for such comments.

C. Suggestions for workshops and/or presentations will be given to the Navy Co-Chair, the Community Co-Chair and/or the BCT members as appropriate.

D. Suggestions pertaining to the RAB procedures, public relations actions, and/or document review procedures may be given to the appropriate committee chair, the Navy Co-Chair, the Community Co-Chair, and /or BCT members as appropriate.

VI. Standards of Conduct

A. Board members will describe, discuss and present information concerning environmental cleanup as accurately as possible, recognizing that people who are unfamiliar with terminology and processes involved in cleanup may require additional explanations. Board members understand that accurate information may prevent needless fear and worry on the part of the public.

B. When speaking to the media and other organizations, RAB members will identify themselves as representing the Naval Station Treasure Island RAB only.

C. RAB members, recognizing that views on a given issue may differ, will present information and comments in an open and constructive manner. In addition, comments will be as brief and as complete as possible, allowing opportunity for others to voice comments as necessary to maintain an open forum for discussion.

VII. RAB Procedures

A. Meetings

1. Meetings will normally be held every other month to ensure membership is sufficiently informed of the cleanup process.

2. Meetings will normally be held the 3rd Tuesday of every other month, commencing at 1900 hour (7:00 P.M.), PST.

3. Meeting location will be at a convenient location on Naval Station Treasure Island.

4. Additional meetings and alternative meetings, locations and times will be scheduled by the Navy Co Chair.

5. Each meeting will include at a minimum, approval of minutes of previous meeting, technical reports, general comments, and approval of next meeting time and location.

6. RAB meetings will not be held in place of public presentations required by CERCLA, but may be combined with such presentations as appropriate.

7. Proceedings of each meeting will be documented. The transcript will be used to produce the minutes of the meeting, which will be the official record. The minutes will be amended or approved at the next meeting. The Navy is responsible for producing the minutes.

8. Conference calls will normally be held the 4th Tuesday of the month on those months when there are no scheduled meetings, commencing at 1900 hour (7:00 P.M.), PST.

B. Workshops

1. Workshops are designed to supplement technical information presented at meetings.

2. Workshops may be held in addition to scheduled meetings.

3. Workshop presentations may include written materials appropriate for the presentation to allow participants to better understand and retain the material.

4. Workshop presentations may be videotaped for the use of members and others who are unable to attend the presentation in person.

C. Document Review

1. The Navy Co-Chair will inform the RAB of availability of draft documents for review.

2. The Navy Co-Chair will make draft documents available to the RAB and designated Committee members.

3. RAB members may designate a "Document Review Committee" to oversee, collect, and study pertinent documents relating to the environmental cleanup of Naval Station Treasure Island.

D. Committees

1. The RAB may organize themselves into committees (e.g., Technical and Membership Committees) for the purpose of addressing the Navy's environmental work products and NSTI activities as may be needed to keep such work reviewed and on-schedule.

2. Standing Committees consist of those committees dedicated to meeting RAB requirements that exist throughout the existence of the RAB. Such requirements include communicating with the public, reviewing environmental documents, and reviewing RAB organizational procedures. Standing committees may be proposed by the Navy Co-Chair, the Community Co-Chair, the BCT and/or members of the RAB.

3. Ad Hoc Committees consist of those committees dedicated to reviewing specific documents, procedures or technologies. Ad Hoc Committees are created for a specific purpose and are dissolved upon the completion of that purpose. Ad Hoc Committees may be proposed by the Navy Co- Chair, the Community Co-Chair, the BCT and/or members of the RAB.

4. RAB members are encouraged to volunteer for committee membership.

5. The committee will consist of three people at a minimum, one member of whom will serve as committee Chairperson. The Chairperson will be chosen by the committee, unless that is found to be not possible. In that case, the Community Co-Chair will choose the Chairperson. If insufficient numbers of RAB members can be found to serve on any specific committee, the RAB shall consider eliminate that committee for lack of interest.

6. Committees will meet as necessary to accomplish the purpose of the committee. Meeting locations are the choice of the members of the committee. The Committee Chairperson will inform the Community Co- Chair and the Navy Co-Chair of time and location of meetings, to allow the Co-Chairs to inform the RAB membership and any regulators or outside agencies that may have interest in participating. Such notification will be done before or during the RAB meeting prior to the Committee meeting. Notification to the RAB allows the RAB members who are not members of a specific committee to have an opportunity to provide input to the committee prior to or during its meeting.

7. Committee meetings are open to all members of the RAB.

8. A report of the actions taken by the Committee will be made to the RAB. Committee reports will be made verbally at each RAB meeting and will become part of the minutes of that meeting. Committee reports may be made by the Chairperson or another member of the committee, as appropriate. Should viewpoints of members of the committee differ; the committee report will reflect that difference of opinion as accurately as possible.

♦ End of NSTIRAB Operating Procedure Guidelines ♦

Naval Facilities Engineering Command

BRAC PMO West

Site 12 Field Work Update
Westside/ Bayside/ North Point

NAVAL STATION TREASURE ISLAND
SAN FRANCISCO, CALIFORNIA

Restoration Advisory Board Meeting

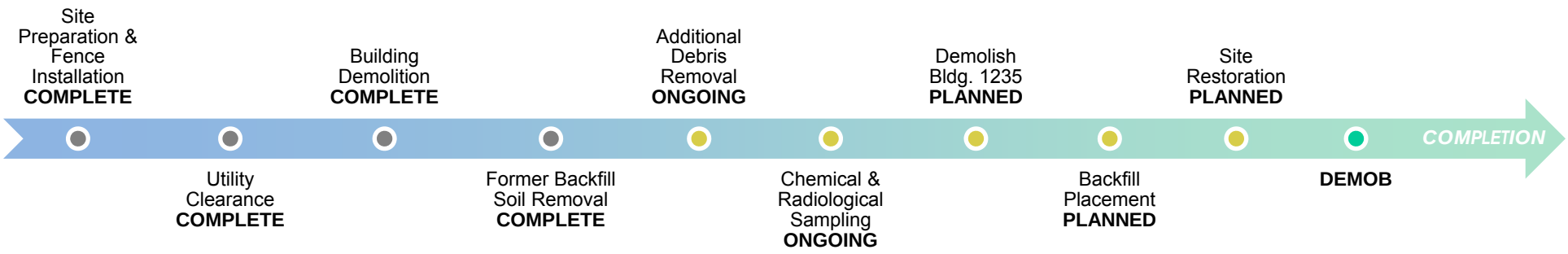
October 20, 2015

Presentation Overview

Site 12 Field Work Update

- Project Status: North Point
- Project Status: Bayside
- Project Status: Westside
- Low Level Radiological Object (LLRO) Status
- Dust and Air Quality Monitoring Update
- Activity Schedule
- Contact Information

Project Status: Disposal Area North Point



- May 27, 2015: Began excavation of former backfill soil and debris
- Buildings 1231 and 1233 demolished, soil & debris beneath was removed
- Soil excavated (to date): 6,048 cubic yards
  - Planned excavation is 91% complete
- When previous backfill material was removed, debris was documented
- Navy will remove ALL debris, additional excavation planned
- 1 of 5 survey units have been chemically and radiologically sampled
- 12 Rad objects have been discovered
- **NEW :** Debris was documented beneath Building 1235 footprint

Project Status: Disposal Area North Point

Site Preparation & Fence Installation **COMPLETE**

Utility Clearance **COMPLETE**

Building Demolition **COMPLETE**

Former Backfill Soil Removal **COMPLETE**

Additional Debris Removal **ONGOING**

Chemical & Radiological Sampling **ONGOING**

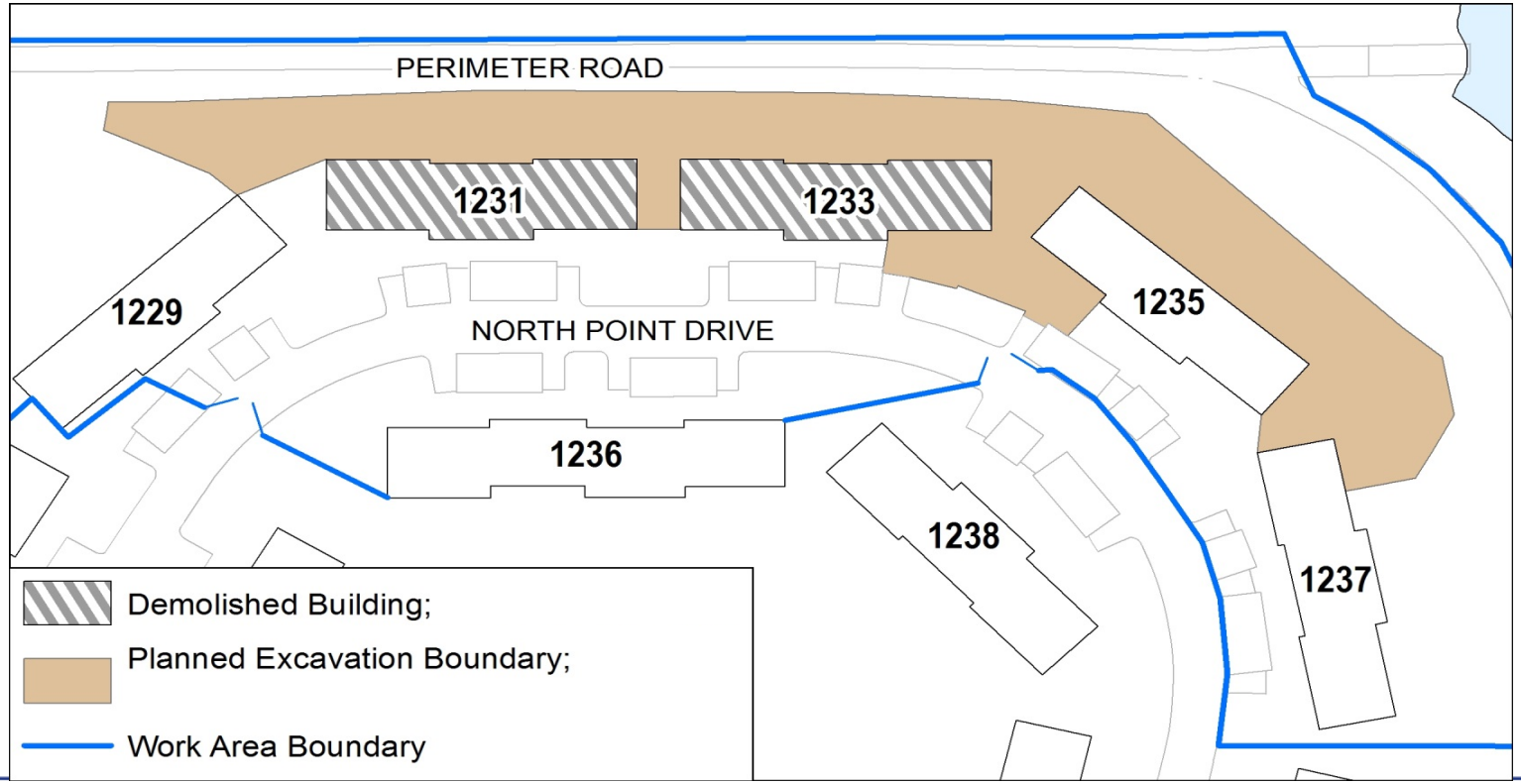
Demolish Bldg. 1235 **PLANNED**

Backfill Placement **PLANNED**

Site Restoration **PLANNED**

DEMOB

COMPLETION



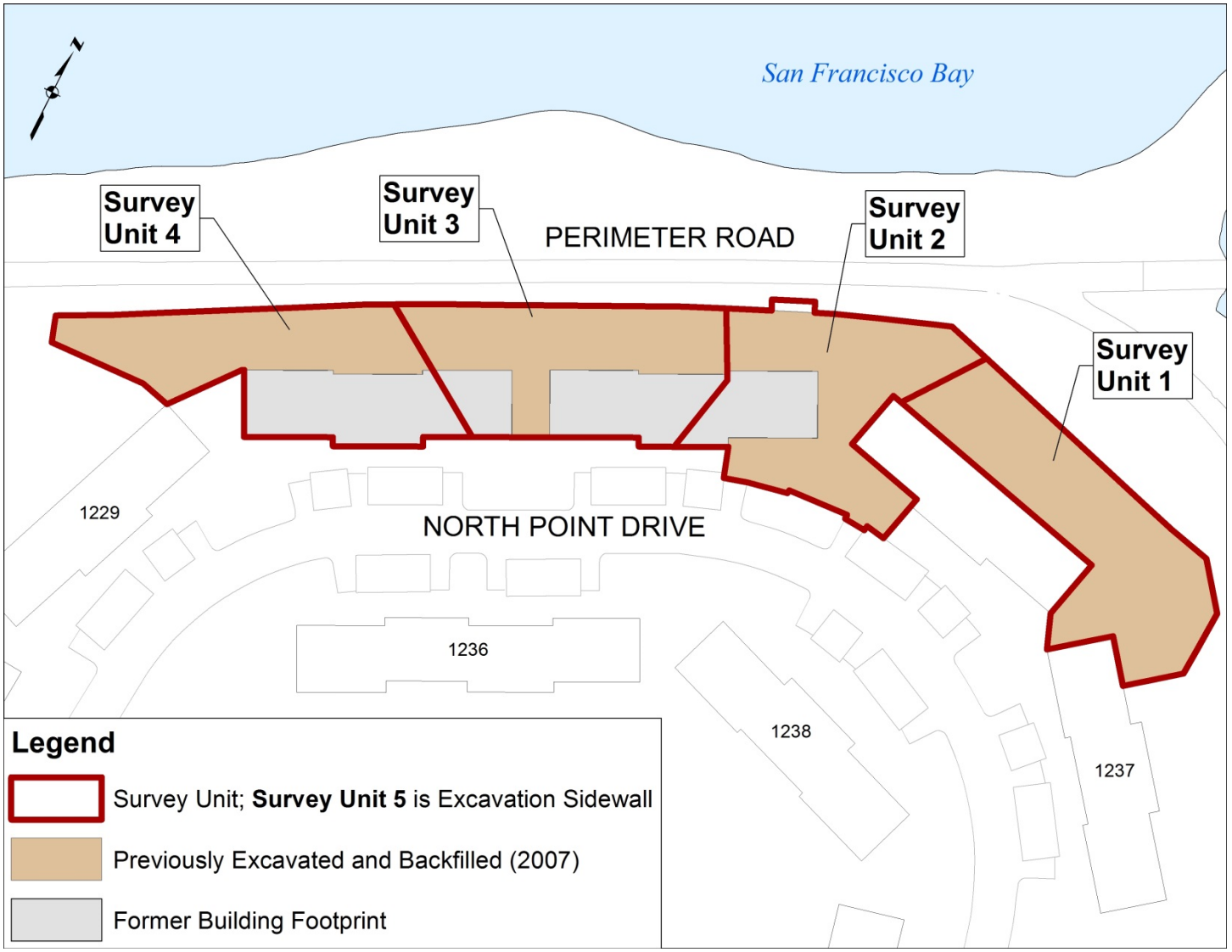
Project Status: Disposal Area North Point

NEW: Debris beneath Building 1235

- Backfill of surrounding area needed for access prior to demolition
- Radiological building survey & asbestos abatement prior to demolition
- Demolition of Building 1235 (February 2016)
- After demolition, debris beneath former building will be removed (March 2016)

SWDA North Point Survey Unit 1 - Building 1235 to the right

Project Status: Disposal Area North Point

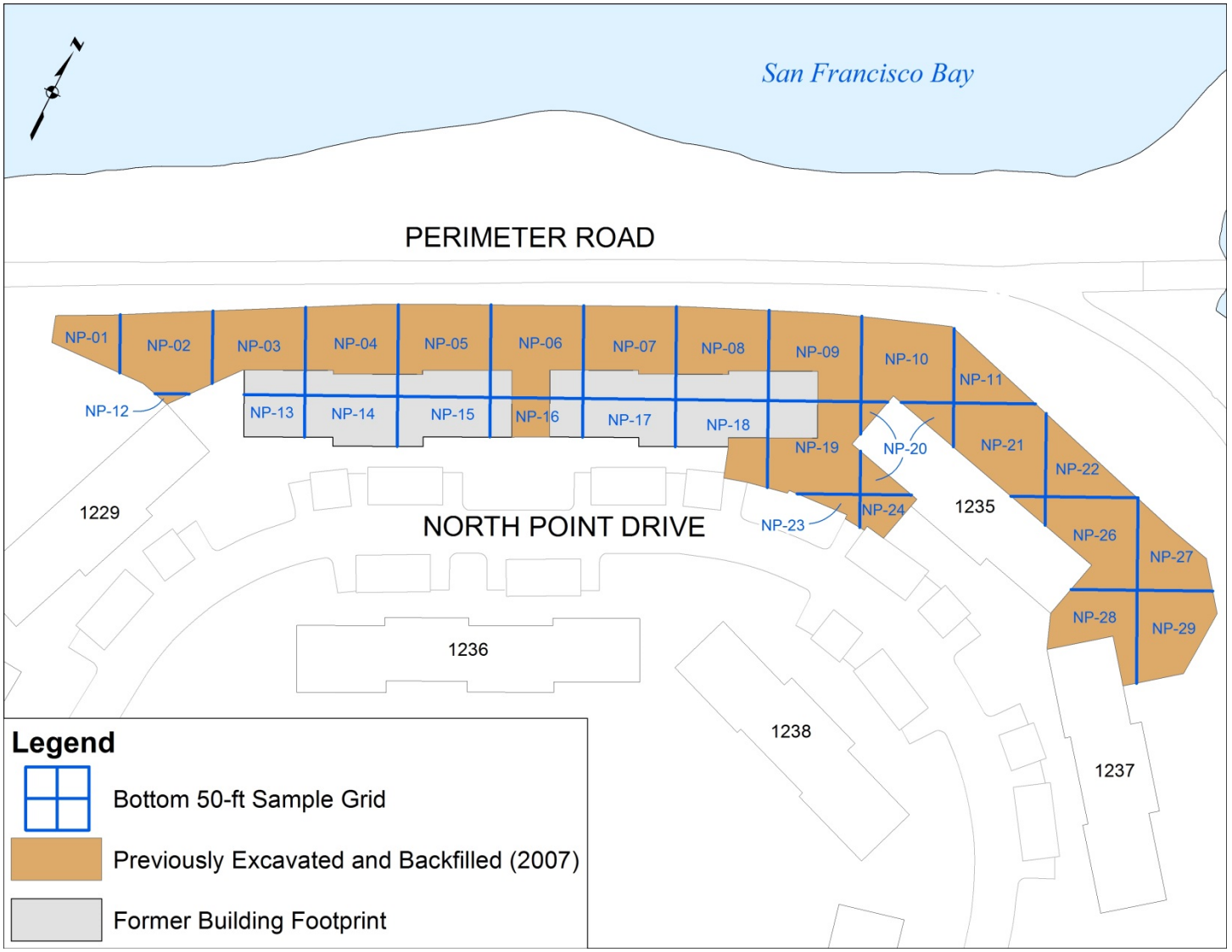


Project Status: Disposal Area North Point

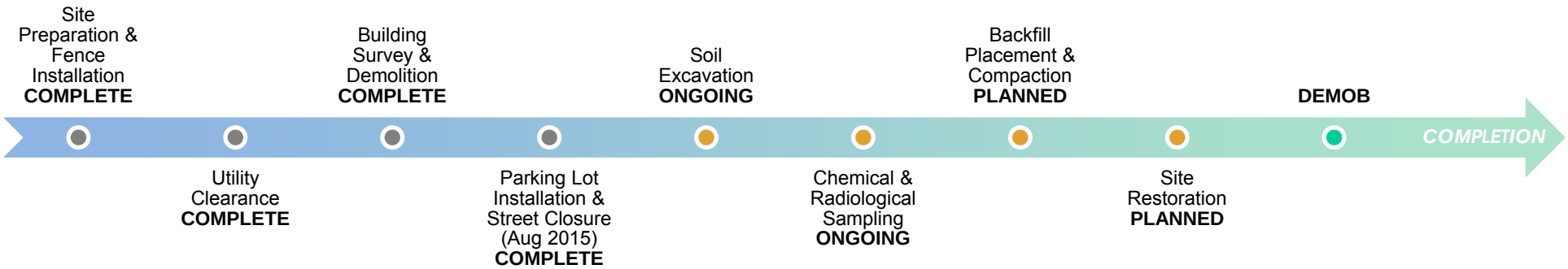
SWDA North Point
(September 2015)

Debris from bottom of North Point SDWA
Excavation to be removed

Project Status: Disposal Area North Point



Project Status: Disposal Area Bayside



- June 26, 2015: Began excavation of former backfill soil and debris
- Buildings 1207, 1209, 1211 and 1213 demolished
- Soil excavated (to date): 8,091 cubic yards
  - Planned excavation is 63% complete
- Encountered "Historic Burn Area" at former Buildings 1207/1209
- 66 LLROs removed to date from Disposal Area Bayside

Project Status: Disposal Area Bayside

Site Preparation & Fence Installation **COMPLETE**

Utility Clearance **COMPLETE**

Building Survey & Demolition **COMPLETE**

Parking Lot Installation & Street Closure (Aug 2015) **COMPLETE**

Soil Excavation **ONGOING**

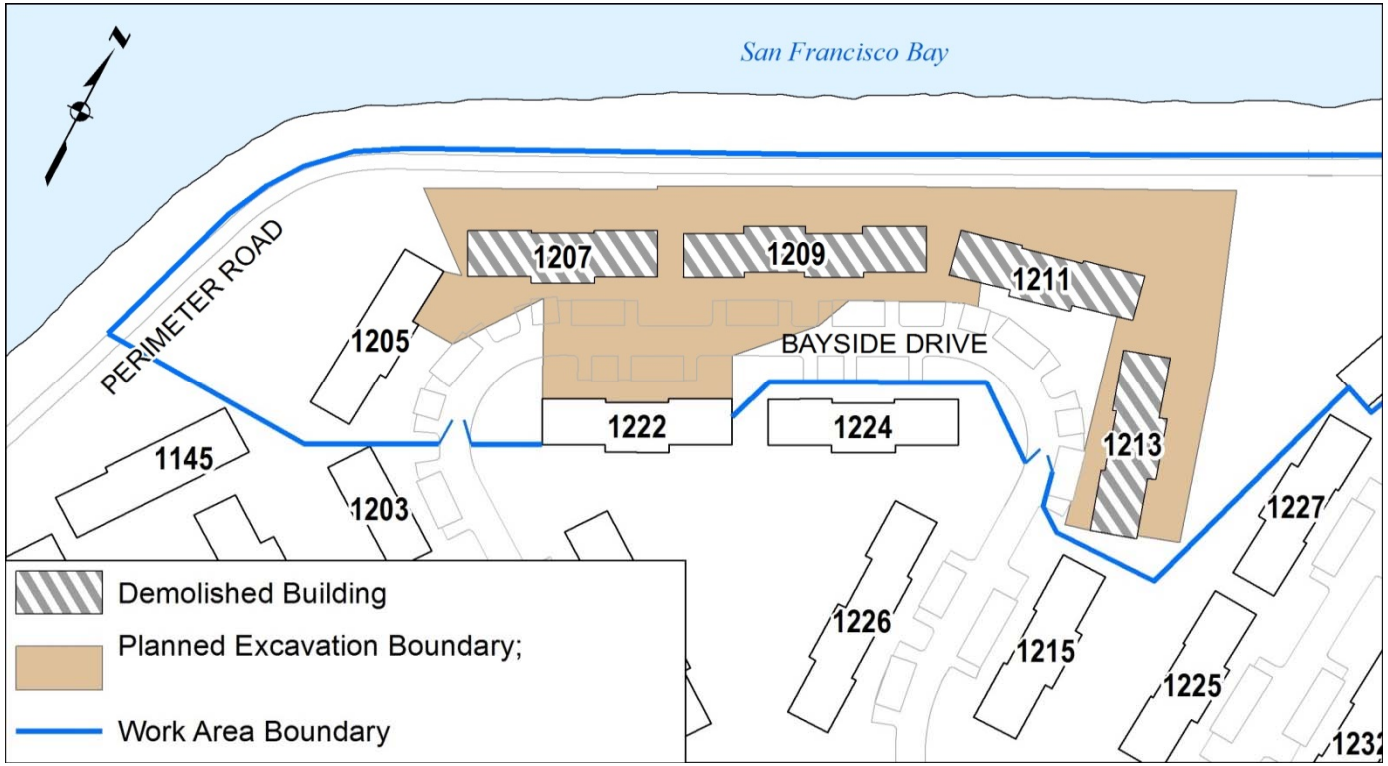
Chemical & Radiological Sampling **ONGOING**

Backfill Placement & Compaction **PLANNED**

Site Restoration **PLANNED**

DEMOB

COMPLETION



Project Status: Disposal Area Bayside

- "Historical Burn Area" documented in area of Building 1207 and 1209 (Historical Radiological Assessment Supplemental Tech Memo)
- Darker, burned material. Containing glass, construction debris, and Rad objects
- Munitions scrap was also discovered in burned material

Debris found in Burn Area,

Project Status: Disposal Area Bayside

Excavators in “Historic Burn Area” at SWDA Bayside

Project Status: Disposal Area Bayside

Surveying for radiological objects at SWDA Bayside at Building 1207 Footprint

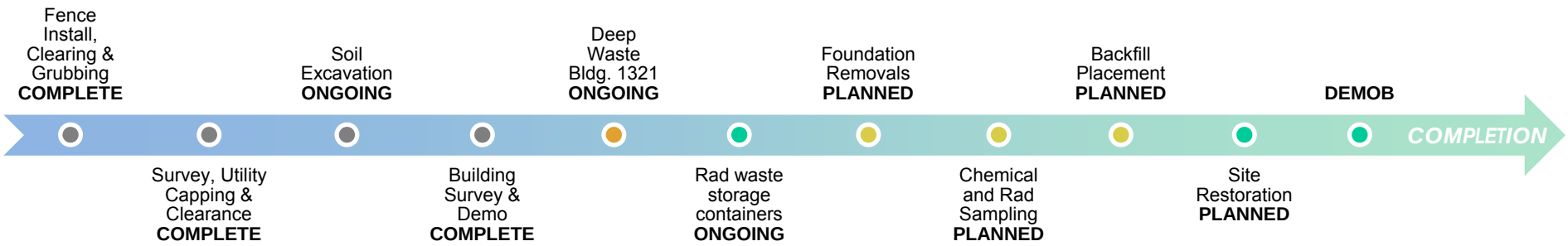
Sizing Concrete for Reuse

Project Status: Disposal Area Bayside

Excavation at Building 1222 within SWDA Bayside

SWDA Excavation (looking West)

Project Status: Disposal Area Westside



- Sampling of concrete foundations complete - foundation removal planned
- Partially excavated in 2007 – Finishing excavations now
- Total volume remaining to be excavated is approximately 14,000 cubic yards
- Excavation of deeper waste in Building 1321 Area to begin October 2015
- Sorting material from radiological waste storage containers

Project Status: Disposal Area Westside

Fence Install, Clearing & Grubbing **COMPLETE**

Survey, Utility Capping & Clearance **COMPLETE**

Soil Excavation **ONGOING**

Building Survey & Demo **COMPLETE**

Deep Waste Bldg. 1321 **ONGOING**

Rad waste storage containers **ONGOING**

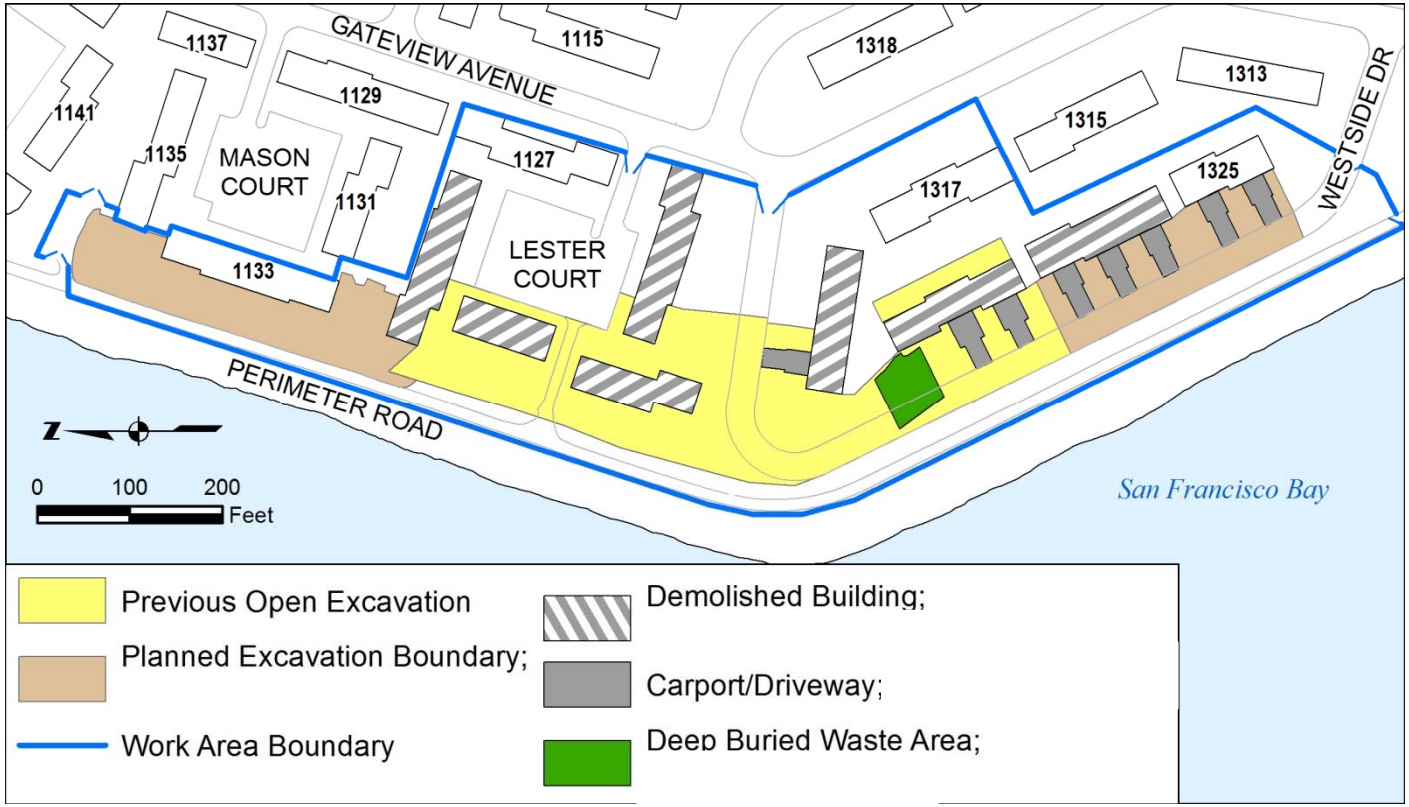
Foundation Removals **PLANNED**

Chemical and Rad Sampling **PLANNED**

Backfill Placement **PLANNED**

Site Restoration **PLANNED**

DEMOB

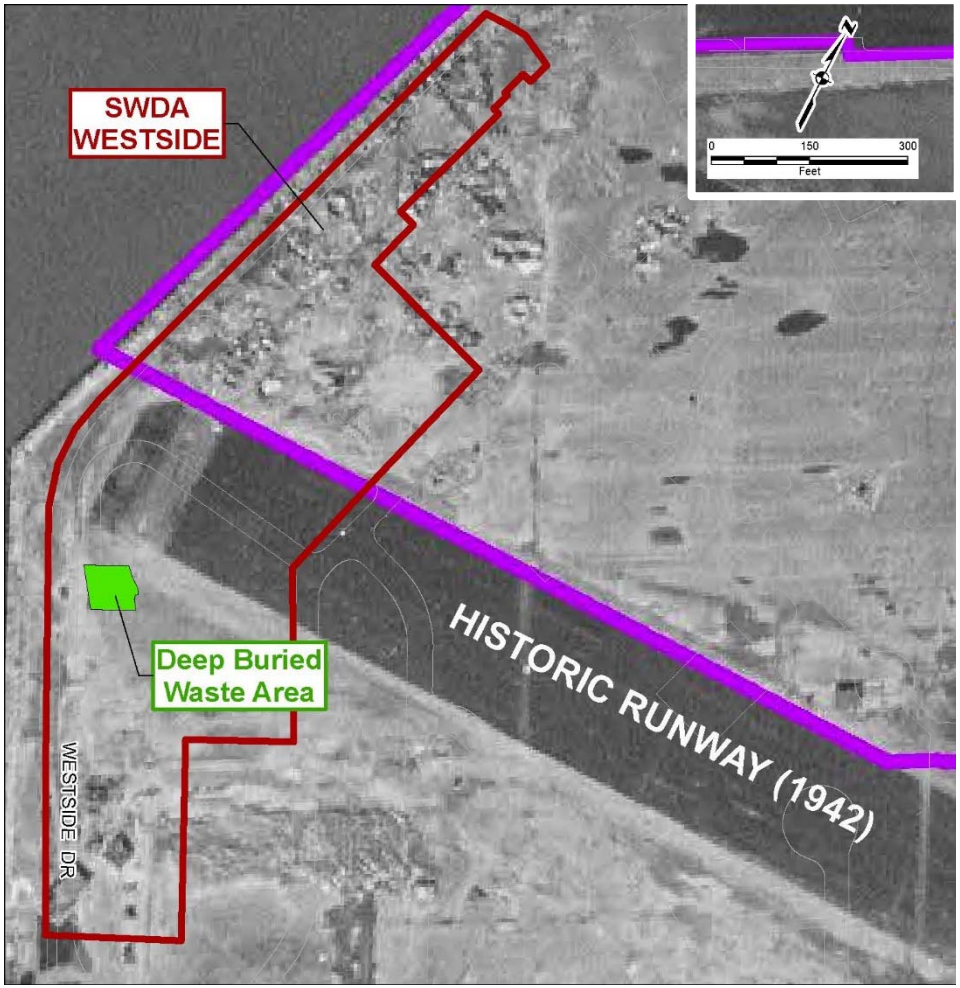


Project Status: Disposal Area Westside

Building 1121 foundation to be removed at SWDA Westside

Close up of foundation and previous excavation sidewall

Project Status: Disposal Area Westside – Deep Buried Waste Area



Aerial view of historical runway and Deep Buried Waste Area

Project Status: Disposal Area Westside – Deep Buried Waste Area

- Historical deep buried waste site located at the end of a former runway
- Located at north east corner of the Building 1321 footprint
- Approximately 60’ x 60’ square to 10 foot depth
- A slide rail shoring system will be used to protect sidewalls from collapsing

Example of Slide Rail System during installation

Project Status: Disposal Area Westside – Radiological Waste Storage Containers

Radiological waste storage containers prepared for sorting

Moving radiological waste storage containers using a fork lift Into the screening/sorting tent

Project Status: Disposal Area Westside – Radiological Waste Storage Containers

- Work conducted inside sorting tent
- Sorting tent ensures that all material being sorted is contained
- Material within each container is being dewatered, sorted, and repackaged for disposal
- Material is visually inspected by munitions experts
- Munitions scrap is separated from rest of material
- Radiological technicians sort rad objects
- Radiological technicians will survey the storage containers and tent after completion

Sorting/Screening Tent

Project Status: Disposal Area Westside – Radiological Waste Storage Containers

Loading sorting table to containment tent

Technicians working inside of screening/sorting tent

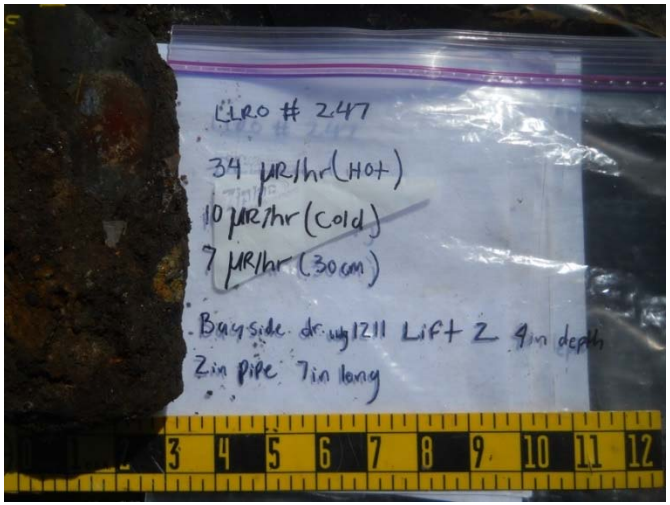
Low Level Radiological Object (LLRO) Status Update

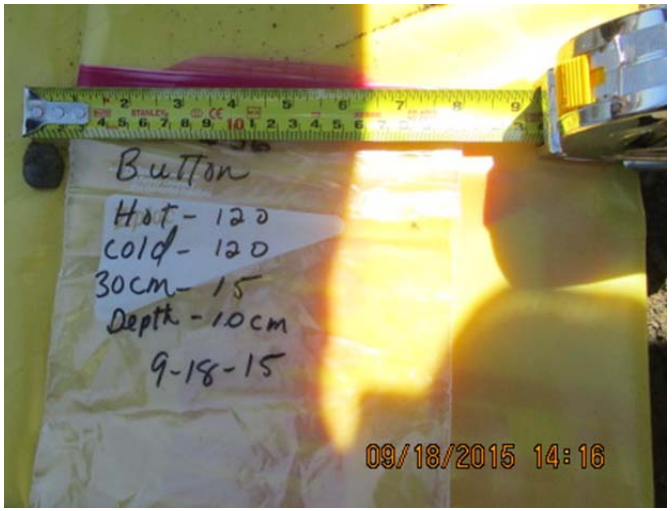
- 699 LLROs at Treasure Island to date
- Since Site 12 field work started (May 2015), 88 LLROs removed from SWDAs North Point and Bayside
- 10 LLROs extracted from waste containers processed at SWDA Westside . 1 LLRO from the SWDA Westside excavation

Cumulative Number	Item ID Number	Description	Date Recovered	Location Found	Radiation Level Highest Contact (mR/h) Note 1	Radiation Level Opposite Side Contact (mR/h) Note 2	Open Window Radiation Level @ 12" (mR/hr) Note 3	Closed Window Radiation Level @ 12" (mR/hr) Note 4	MCA Spectrum Identifier Note 5	Potential Primary Isotope Note 6	Curie Estimate (mCi) Note 7
623	07292015-183	1/2" metal object	7/29/2015	Building 1207 burn pit 2' 6" depth	0.3	0.2	<0.2	<0.2	20150803160252	^{226}Ra	0.0037
624	07292015-184	1/2" metal object	7/29/2015	Building 1207 burn pit 2' 6" depth	0.6	0.6	<0.2	<0.2	20150803154919	^{226}Ra	0.0027
625	07312015-185	1.5" button	7/31/2015	Building 1207 burn pit 2' 6" depth	3.2	3	3.40	<0.2	20150731142715	^{226}Ra	0.0318
626	08032015-186	Cable and box	8/3/2015	Building 1209 first lift	0.6	0.4	<0.2	<0.2	20150803142717	^{226}Ra	0.0086
627	08032015-187	1/2" button	8/3/2015	Site 32 RSY Pad 14 Use 3 Pile	1.8	1	<0.2	<0.2	20150803151203	^{226}Ra	0.0086
628	08032015-188	1/2" metal chunk	8/3/2015	Building 1209 Unit B found at 2' depth	3.6	2.2	<0.2	<0.2	20150803144217	^{226}Ra	0.0122
629	07292015-189	2"x2" metal block	7/29/2015	Building 1207 burn pit 3'depth	0.03	0.015	<0.2	<0.2	20150804080541	^{226}Ra	0.0037
630	07292015-190	Metal Cable	7/29/2015	Building 1207 burn pit 3'depth	0.025	0.015	<0.2	<0.2	20150804081839	^{226}Ra	0.0011
631	08042015-191	2" Gauge	8/4/2015	Building 1209 lift 2	0.6	0.42	<0.2	<0.2	20150804131059	^{226}Ra	0.0054

Snapshot of Radiological Professional's LLRO Tracking Log

Low Level Radiological Object (LLRO) Status Update





- Examples of LLROs found on site during field work activities
- All are Radium-226; similar to previously discovered objects

Site 12 Dust and Air Quality Monitoring

- 24 dust monitors and 3 high volume stations designated to the site
- Dust monitoring during all earth moving activities:
  - Stations and PDRs positioned by the Site Safety and Health Officer based on wind conditions and activities
  - Summary for each work area is posted to the Navy website
- Bay Area Air Quality Management District (BAAQMD) regulations governing field work:
  - BAAQMD Regulation 6 – Particulate Mater and Visible Emissions
  - BAAQMD Regulation 11, Rule 1 – Limits Ground Level Lead
  - Additional information on dust monitoring:

  http://www.iaqm.co.uk/text/guidance/monitoring_construction_sites_2012.pdf

  http://www.arb.ca.gov/research/indoor/pmfactsheet.pdf
- Dust monitoring provides a first line of defense to the public
- **No exceedances to date**

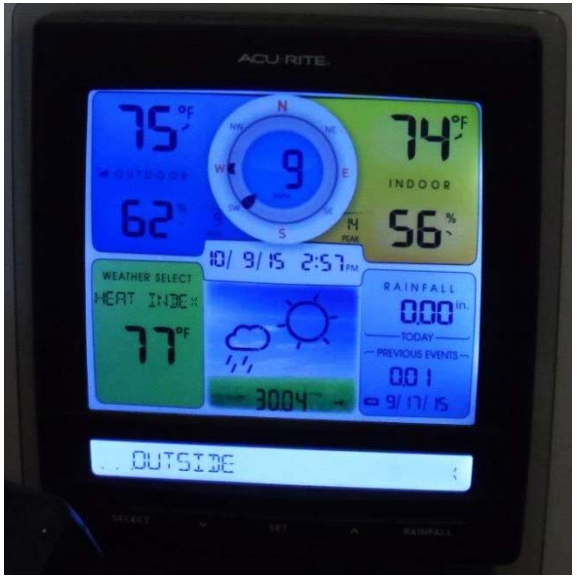
Dust and Air Quality Monitoring

Perimeter High Volume Air Monitoring Station (left) and PDR (above)

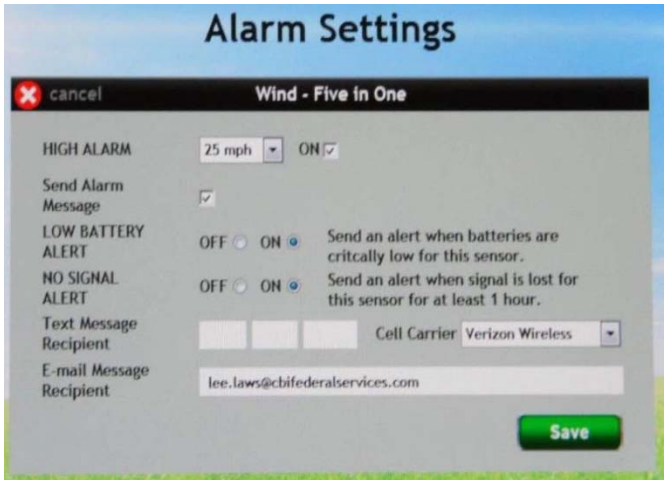
Site 12 Weather Station

- Weather conditions are monitored during work by a weather station at the CB&I field office
- If winds above 25 mph are recorded an alarm notifies construction personnel
- If wind conditions 25 mph or over - work will cease

Weather Station at Treasure Island

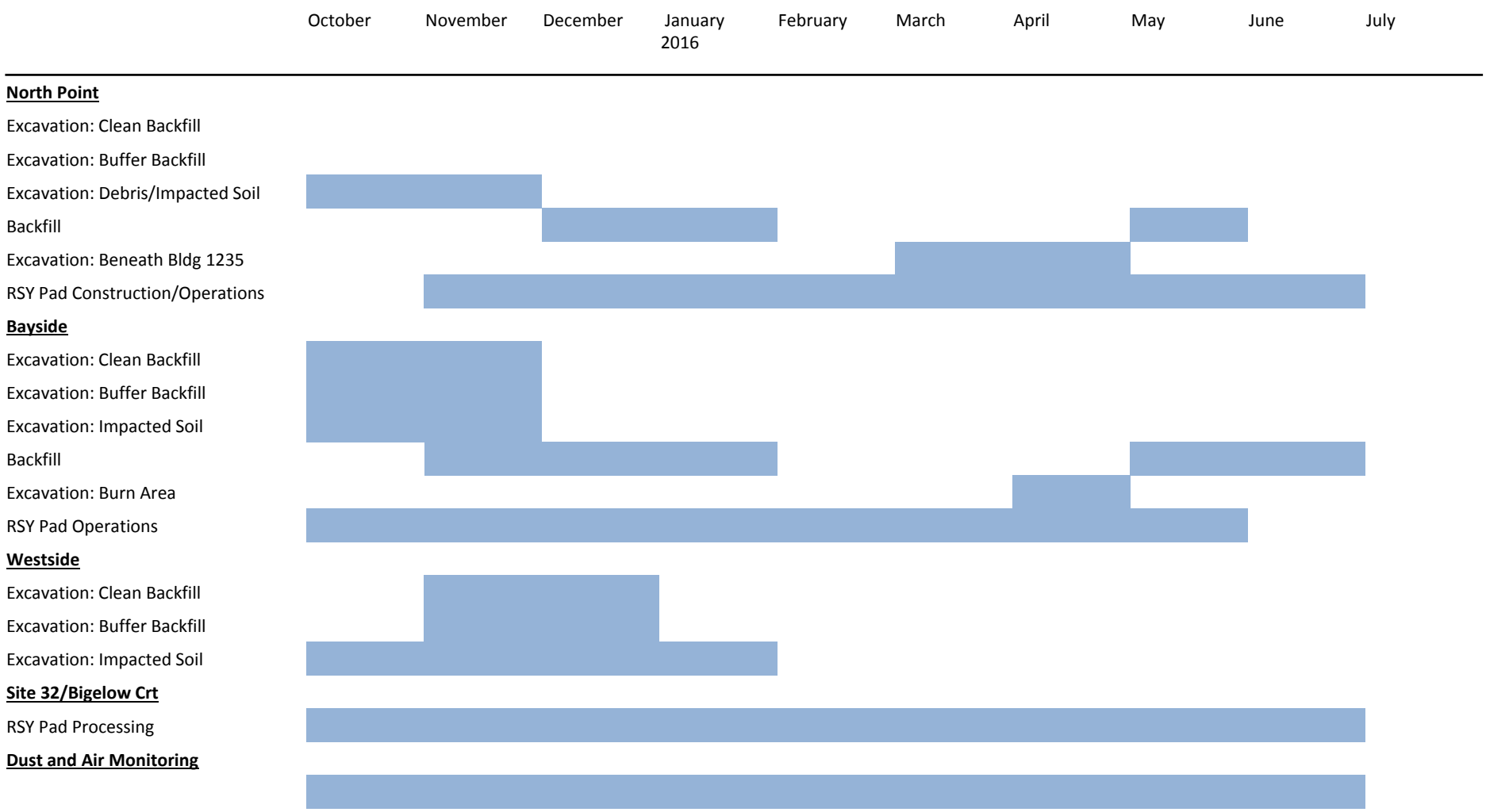


Left: Weather Station Display Screen at CB&I Field Office



Left: Weather Station High Wind Alarm Setting (25mph)

Activity Schedule: Monthly Look Ahead



For Your Safety!!

Examples of fence postings - It is important to stay outside of construction areas for your safety!

Schedule of Milestones

May 2015 – Excavations Started

April 2016 – Excavations Complete

May 2016 – Soil Pad Processing Complete

May 2016 – Radiological Field (Final Status) Surveys Complete

June 2016 – Site Restoration Complete

July 2016 – Waste Disposal Complete

Aug 2016 – Final Status Survey Report

July 2016 – Final Remedial Action Completion Report

Contact Information

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E-mail: keith.s.forman@navy.mil

Website: www.bracpmo.navy.mil

QUESTIONS?

Naval Station Treasure Island
Environmental Cleanup Program
Document Tracking Sheet
October 2015 - February 2016

			DRAFT									RTC				FINAL		
					Agency Comments													
Item	Document Title & Information	CTO/DO	Draft to Agencies		Date Due	DTSC	WATER BOARD	TIDA/TICD	RAB	OTHER	Priority Review	Preliminary RTCs to Agencies		Resolve and Concur on RTCs		Final to Agencies		Comments
	Radiological Reports																	
1	**FSS Report for Building 3** RPM: Danielle Janda PM: John Baur, Gilbane		10/15/15	✔	11/16/15						1	11/23/15		11/30/15		12/15/15		
2	**Historic Avenue N Storm Drain Removal WP** RPM: Tony Konzen PM: John Hackett, CB&I		10/14/15	✔	11/02/15						2	11/07/15		11/12/15		11/20/15		Work plan sent without SAP; SAP to be sent out 10/22
3	**FSS Report for Selected Storm and Wastewater Lines - Part I** RPM: Danielle Janda PM: John Baur, Gilbane		11/13/15		12/14/15						3	12/21/15		12/28/15		01/13/16		
4	**FSS Report for Historic Avenue N Storm Drain** RPM: Tony Konzen PM: TBD		02/03/16		03/04/16						5	03/18/16		04/13/16		05/06/16		
5	**FSS Report for Storm/Waste Water Lines - Part II** RPM: Danielle Janda PM: Ulrika Messer, CB&I		11/23/15		12/23/15						6	01/14/16		02/13/16		02/24/16		
6	**FSS Report for Site 6** RPM: Louie Cardinale PM: Shanti Montgomery, TtEC		11/24/15		12/29/15						7	01/08/16		01/22/16		02/10/16		
7	**FSS Report for Northeast Corner** RPM: Danielle Janda PM: Ulrika Messer, CB&I		11/06/15		12/08/15						8	12/30/15		01/29/16		02/09/16		
8	**FSS Report for Site 32A** RPM: Danielle Janda PM: John Baur, Gilbane		11/16/15		12/16/15						9	01/15/16		02/14/16		03/08/16		
9	**FSS Report for Site 24 (Building 342, Lot 69)** RPM: Danielle Janda PM: Ulrika Messer, CB&I		12/03/15		01/04/16						10	01/26/16		02/25/16		03/07/16		
10	**FSS Report for Site 20** RPM: Danielle Janda PM: Ulrika Messer, CB&I		10/30/15		12/01/15						11	12/23/15		01/22/16		02/02/16		
11	**FSS Report for Site 30/30N/30S and Site 31** RPM: Danielle Janda PM: Ulrika Messer, CB&I		07/07/16		08/08/16						12	08/30/16		09/29/16		10/10/16		
	Site 6																	
12	**RD/RAWP** RPM: Bryce Bartelma PM: Ted Tyler, CE2 Kleinfelder		11/17/15		12/17/15							01/16/16		02/15/16		03/09/16		
	Site 12																	
13	**Action Memo for Removal Actions at Site 12** RPM: Bryce Bartelma PM: Cheryl Martin, TriEco-Tt		06/10/15	✔	07/08/15	✔	✔	✔	✔			08/06/15	✔	08/24/15	✔	10/30/15		
14	**SWDA Bigelow Court PCSR Report** RPM: Tony Konzen PM: Ulrika Messer, CB&I		07/23/15	✔	08/25/15	✔	✔	✔	✔			09/25/15	✔	10/02/15	✔	10/30/15		
15	**TCRA WP** RPM: Bryce Bartelma PM: TBD		02/26/16		03/28/16							04/07/16		04/14/16		05/30/16		
16	**PP/RAP** RPM: Bryce Bartelma PM: Karen Miller, Helios		12/18/15		01/15/16							02/14/16		03/15/16		04/07/16		
	Site 24																	
17	**ROD/RAP** RPM: Danielle Janda PM: Jean Michaels, TriEco-Tt		05/06/15	✔	06/05/15	✔	✔	✔	✔			07/27/15	✔	09/18/15		10/26/15		
19	**RD/RAWP** RPM: Danielle Janda PM: TBD		02/17/16		03/16/16							03/30/16		05/03/16		06/10/16		

Naval Station Treasure Island
Environmental Cleanup Program
Document Tracking Sheet
October 2015 - February 2016

			DRAFT										RTC				FINAL		
					Agency Comments														
Item	Document Title & Information	CTO/DO	Draft to Agencies		Date Due	DTSC	WATER BOARD	TIDA/TICD	RAB	OTHER	Priority Review	Preliminary RTCs to Agencies		Resolve and Concur on RTCs		Final to Agencies		Comments
	Site 31																		
20	**RACR**																		
	RPM: Louie Cardinale		06/26/15	✔	07/27/15	✔	X	✔				09/30/15	✔	10/15/15	✔	11/06/15		
	PM: John Baur, Gilbane																	
21	**WP/SAP**																	
	RPM: Louie Cardinale		12/30/15		01/29/16						4	02/12/16		02/19/16		03/01/16		
	PM: TBD																	
	Site 32																		
22	**ROD/RAP**																		
	RPM: Danielle Janda		12/21/15		01/18/16							02/01/16		02/29/16		03/22/16		
	PM: Karen Miller, Helios																	
	Groundwater Monitoring																		
23	**2014 Sites 6, 12, 21, 24 Groundwater Report**																		
	RPM: Louie Cardinale		04/17/15	✔	05/18/15	✔	✔	✔				08/06/15	✔	09/22/15	✔	10/06/15	✔	
	PM: Patrick Hamner, Trevet																	
	Other Reports																		
24	**2014 Finding of Suitability to Lease (FOSL)**																		
	RPM: Sarah Ann Moore		11/20/15		12/20/15							01/03/16		01/10/16		01/20/16		
	PM: Dennis Kelly, TriEco-Tt																	
25	**2015 Site Management Plan**																		
	RPM: Danielle Janda		08/03/15	✔	09/01/15	✔	✔	✔				09/29/15		10/21/15		11/20/15		
	PM: Marcie Rash, TriEco-Tt																	

✔ Production or review of document is complete.

X Received notification of no comments or comments deferred to other agency.

Grey shading indicates the document is finalized.

Blue shading indicates agency review comments are due within the next 60 days or are outstanding.

Yellow shading indicates documents that will be issued draft or final within the next 60 days.

Abbreviations:

CTO/DO = Contract task order/delivery order
DTSC = Department of Toxic Substances Control
EPA = U.S. Environmental Protection Agency
FS = Feasibility study
FSS = Final status survey
LUC = Land use control
NA = Not applicable
NTCRA = Non-time critical removal action
PCSR = Post-construction summary report
PM = Project manager
PP = Proposed plan
RACR = Remedial action completion report
RAP = Remedial action plan
RAWP = Remedial action work plan
RD = Remedial design
ROD = Record of decision
RPM = Remedial project manager
RTC = Response to comments
SAP = Sampling and analysis plan
SWDA = Solid waste disposal area
TBD = To be determined
TCRA = Time-critical removal action
TICD = Treasure Island Community Developers
TIDA = Treasure Island Development Authority
TPH = Total petroleum hydrocarbons
TSP = Task specific plan
Water Board = Regional Water Quality Control Board

Naval Station Treasure Island
Navy Field Schedule
October 2015 - February 2016

Item	Activity and Investigation Area	Field Dates	Navy RPM (Contractor)	Complete
	Site 12			
1	Phase III Non-Time Critical Removal Action	Start: 05/12/15 Finish: 06/07/16	Chris Yantos (CB&I)	
	Site 24			
2	Data Gaps Investigation	Start: 07/13/15 Finish: 07/12/16	Mukesh Mehta (Trevet)	
	Site 31			
3	Final Status Survey - Additional Field Work	Start: 12/31/15 Finish: 02/10/16	Louie Cardinale (TBD)	
	Other			
	Radiological Surveys at Various Areas (Part II)	Start: 04/30/15 Finish: 08/26/15	Danielle Janda (CB&I)	✔
	Sites 6, 12, 21, and 24 Groundwater and Site 21 and 24 Soil Gas Monitoring	Start: 09/14/15 Finish: 09/18/15	Louie Cardinale (Trevet)	✔
4	Historic Avenue N Storm Drain Removal	Start: 11/20/15 Finish: 01/20/16	Tony Konzen (TBD)	

Abbreviations:

✔ Field work is complete.
RPM Remedial project manager
TBD To be determined

Yellow shading indicates field activities that will start or finish within the next 60 days.

Grey shading indicates field activities are complete.