



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

N60028_002791
TREASURE ISLAND
SSIC NO. 5090.3.A

Meeting 176

21 April 2015

Community Restoration Advisory Board (RAB) Members in attendance:

Nathan Brennan, John Gee, Becky Hogue, Alice Pilram (Community RAB Co-Chair), Dale Smith

Department of the Navy and Regulatory Agency RAB Members in attendance:

Keith Forman, Navy RAB Co-Chair
Nathan Schumacher, Department of Toxic Substances Control (DTSC)
Myriam Zech, San Francisco Bay Regional Water Quality Control Board
(Water Board)

Other Navy and Regulatory Staff and Consultant Representatives in attendance:

Louie Cardinale, Navy	Raymond Schul, Chicago Bridge & Iron (CB&I)
Dave Clark, Navy	Tommie Jean Valmassy, Tetra Tech, Inc.
Yashekia Evans, Tetra Tech, Inc.	Dan Waligora, California Department of Fish and Wildlife (CDFW)
Katie Henry, Tetra Tech, Inc.	Chris Yantos, Navy
Patricia McFadden, Navy	
Jessica O'Sullivan, Tetra Tech, Inc.	
Lee Saunders, Navy	

Public Guests in attendance:

Bob Beck, Treasure Island Development Authority (TIDA)	Carol Harvey, journalist
Erick Brown, Catholic Charities CYO	Kevin Kempf
Adrienne Fong, Occupy	Erik Lundgren, resident
Bob Gouing, Occupy	Kathryn Lundgren, resident
	Andrea McHenry, resident

Welcome Remarks and Agenda Review

Keith Forman (Base Realignment and Closure [BRAC] Environmental Coordinator [BEC]) opened the April 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 the other Navy members and the regulatory agency representatives present. Mr. Forman noted that the meeting is transcribed and asked attendees to speak slowly and clearly for the transcriptionist.

Alice Pilram (RAB community co-chair) reviewed the agenda (Attachment A). Each of the RAB members introduced themselves. Mr. Forman asked that questions be held until the end of the presentation.

Old Business - RAB Minutes Approval

Only an electronic copy of the February 2015 minutes was sent to the RAB; the hard copy was inadvertently omitted from the packet. The RAB postponed approval to the June meeting. Tommie Jean Valmassy (Tetra Tech) will send a hard copy of the draft minutes for meeting number 175 along with the draft minutes for meeting number 176. The RAB will provide comments and vote approval on both sets in June.

Old Business - BRAC Cleanup Team Update

Myriam Zech (Water Board) said the Water Board reviewed several reports since the last RAB meeting, including the screening-level ecological risk assessment (SLERA) for Site YF3 and the basewide soil and soil gas monitoring work plan. In addition, the Water Board reviewed the pre-remedial design sampling work plan for Site 6. Ms. Zech added that she had taken a groundwater pollution and hydrology course. Nathan Schumacher (DTSC) said DTSC has reviewed the same documents. He added that Remedios Sunga, the DTSC project manager for TI, will be returning before the next RAB meeting in June.

Dale Smith (RAB member) said she did not receive the SLERA document. Louie Cardinale (Navy) said Ms. Smith should have received the document, and he will work with his contractor to make sure a copy is sent to her. Dan Waligora (CDFW) said his agency also did not receive a copy of the SLERA. Mr. Forman said Mr. Waligora must coordinate through DTSC; Mr. Schumacher said he will talk to Mr. Waligora after the meeting to coordinate his request.

New Business - Next Removal Actions at Site 12

Mr. Forman introduced the project manager, Chris Yantos (Navy), to present the update (Attachment B), along with Patricia McFadden (Navy) from the Caretaker Site Office to present the munitions portion of the update.

The Navy is planning a project to close out the solid waste disposal areas (SWDA) in the TI Housing Area. This area includes SWDAs North Point, Bayside, and Westside, located on the map on slide 3. Mr. Yantos indicated that although fieldwork began in 2007, it is still part of the same project and the Navy intends to finish it with this phase.

The goal of the project is to remove all solid waste from the SWDAs and collect samples to make sure all of the solid waste has been completely removed. All of the soil will also be radiologically screened. The goal for this work is to receive unrestricted radiological release from the California Department of Public Health

(CDPH). Currently, the work plan for the upcoming SWDA removal is being reviewed by the regulatory agencies.

All of the soil and debris excavated from the SWDAs will be radiologically scanned. That scanning will be done on pads in radiological screening yards (RSY). In addition, the bottoms and the sidewalls of the excavated areas will be radiologically scanned.

Mr. Yantos reviewed the process for excavating the clean backfill from the SWDAs. He explained that the buffer material, which is the backfill that is being removed, will be removed down to 1 foot of the original backfill depth. As a result, one foot on the bottom and sides of the previous backfill material will remain. This plan will ensure that any clean backfill that may have come into contact with contaminated soil will not remain and will be properly scanned and disposed of. The rest of the clean backfill will be reused after it is radiologically scanned.

Mr. Yantos showed photographs of radiological screening pads. They are lined with plastic, and hay bales are placed along the edges to prevent any water runoff. Mr. Yantos reviewed the truck routes for moving soil out of the SWDAs and onto the screening pads. The contaminated soil will be transported along Perimeter Road, which will be closed during this project. Mr. Yantos noted that there will be a partial but long-term road closure at SWDA Bayside in front of Building 1222 because some of that SWDA extends under the road. The contaminated soil will not be hauled through the neighborhood; he reiterated that trucks hauling contaminated soil will use Perimeter Road. Mr. Yantos said the yard around Building 570, off of Avenue M, houses a large stockpile of dirt. The contractor will be adding clean soil to that pile, and eventually that pile will be used for backfill.

Mr. Yantos reviewed what residents will see during the field work. Fences will be erected and posted with signage prohibiting entrance. There will be traffic cones and staff in place to direct traffic at times. Air monitors will be posted at each dig site and each screening yard. In addition, security patrol will be on site 24 hours a day, 7 days a week to make sure equipment is not damaged and perimeters remain intact. The team estimates 3,000 truck trips will be made to haul the contaminated soil and clean backfill.

Patricia McFadden (Navy) reviewed the munitions findings at Site 12 (slides 19 to 21). Ms. McFadden noted there were no active munitions operations at NAVSTA TI. Any munitions used at NAVSTA TI were for training or as classroom props. The Navy also stored munitions within Site 12 before the TI housing was built.

In 2009 Navy contractors conducted an excavation at SWDA Westside. There was debris in the soil, including discarded items such as engine blocks and old cafeteria trays. The photograph on slide 11 shows recovered munitions scrap that was also found in that debris area. Because they appeared innocuous, the contractor stored them in a secured area. Ms. McFadden noted that procedure is not the current protocol. In February 2012, the contractor notified the Navy of those inert munitions items, and the Navy managed proper inspection and disposal of the items. A report was made to the RAB at the time. The photograph on slide 11 shows various items found during the excavations. None of the items found, to date, have contained explosives. However, as an extra precaution, the soil in two areas (denoted on the figure on slide 12) will be scanned with metal detectors. A third-party contractor will oversee the work, and if something is found, munitions experts will be brought in to address it. There will also be safety zones around the work areas.

Mr. Yantos continued the presentation, discussing the Navy's plan for dust control during the project. Privacy fabric will be installed on the fences, excavations will be sprayed with water, excavated soil will be dumped from the bucket into the dump truck at a low height, and the team will cease operations during high wind conditions. A tackifier with the commercial name "Gorilla Snot" will be used to prevent dust at soil stockpiles. Specific to trucks, roadways will be watered, streets will be swept, rumble plates that shake the dirt off of tires will be installed at all work sites, and all trucks will be covered and will travel at a reduced speed. Dust monitoring will also be conducted, with personal dust monitors worn by staff as well as posted on fences. In addition, air monitoring stations will be used at all excavation and screening areas. Radiological air monitoring, which requires separate, specialized equipment, will also be used at the excavation and screening areas.

Mr. Yantos reviewed the schedule presented as a chart on slide 25. This chart shows what kind of work will take place in which SWDA during the next 12 months. Excavation and hauling will not take place during the entire project. The Navy anticipates completing site work in May 2016 and completing the reporting related to the project in June 2016.

Becky Hogue (RAB member) asked when Perimeter Road will be closed, and how it will be monitored for people who ignore the closure and access the road. Mr. Yantos said fences will begin going up in May. The road must be fully closed the moment the field crew begins excavating so trucks can haul soil. The project will have security 24 hours a day, 7 days a week.

Ms. Hogue asked how the contractors will ensure the fabric stays on the fencing; it is common to see the fabric blown off by high winds on TI. Mr. Yantos said

security will report any occurrences during non-work hours, and on-call staff will make repairs.

Ms. Smith asked, in reference to all of the buildings demolished for this project, whether the building slabs have also been removed. Mr. Yantos said the slabs have not been removed. When the field team mobilizes for this project, they will remove the slabs. Ms. Smith said the concrete slabs likely contain asbestos, and if they are ground up that could cause a health hazard. Mr. Yantos said the slabs will be watered to prevent dust during demolition. There will be some saw cutting, but there will not be any grinding of the concrete. No granular-sized material will be made; the slabs will be broken into blocks for removal. The Navy would be unable to grind the concrete on site; such work would have to be done at a plant, and that is not planned for this project.

Ms. Smith asked if the clean fill that is being removed will be tested in case there has been some contamination, such as a resident spilling gasoline, since the backfill was put in place. Mr. Yantos said the clean fill will not be tested. Ms. McFadden said, as the on-site caretaker, she monitors for and receives reports of discarded materials. These areas have been fenced for many years, and there have been no signs of spills or disposal.

Ms. Smith asked if the Navy sampled beneath the slab at Building 1222, since the building remains in place but the contamination extends right up to the building. Mr. Clark said any standing buildings where it was suspected contamination could be present were tested using horizontal directional drilling. That project was previously presented by Bryce Bartelma (Navy) as part of the Site 12 feasibility study. The line for the cleanup area extends to Building 1222 as part of the work buffer zone.

Ms. Smith asked if Perimeter Road will be tested before it is reopened to the public. Mr. Yantos said it will be tested and is part of the license requirement for the radiological license held by the contractor.

Ms. Smith asked for clarification because the draft work plan states that soil stockpiles will be covered, but the presentation indicates they will be sprayed. Ray Schul (CB&I) said it was common practice to cover soil stockpiles. However, they have found that the "Gorilla Snot" is more effective and easier to maintain. Mr. Schul said that information will be corrected in the workplan.

Ms. Pilram asked if residents will be provided with a phone number to call if they see anything they would like to report, such as uncovered trucks. Mr. Yantos said a contact will be provided and posted on signage. The contact number has not yet been determined. Mr. Forman added that work notices will be prepared and distributed as hard copy, and TIDA will post a copy on the

Nextdoor community website. Ms. Pilram suggested the Navy provide residents with a list of rules trucks must follow and information to include when they are reporting an incident. For example, the information should specify whether there is a number or name on a truck that should be included with a complaint. Mr. Yantos said the Navy will implement that idea, publishing the rules trucks must follow and what information residents can provide to help the Navy follow up on the incident. Ms. Hogue requested that a reporting number be one that is monitored 24 hours a day, since often residents need to report something outside of normal work hours.

Kathryn Lundgren (resident) asked if the clean fill that was previously used to backfill the SWDAs was directly touching contaminated soil. She said she is concerned that groundwater movement through the soil as well as soil shifting during earthquakes could contaminate the clean backfill. Mr. Yantos referred back to slide 9, which details the process for removing the clean backfill, with the exception of a buffer area across the entire dig site, including the side walls, to a depth of 1 foot.

Ms. Lundgren said air monitors should be in homes, not just at the sites. She feels homes are receiving the air that comes from Westside Drive, so it never reaches the air monitors on the east side of the island. Ms. Lundgren said she is also concerned about the Navy creating the screening yards and contaminating areas that have previously been cleared of contamination. Mr. Yantos said air monitors will be at several locations, not just on the east side of the island. He also reviewed the process for the screening pads, including laying plastic and surrounding them with hay bales. Then the screening pads will be scanned after use to verify that no contamination is at the site. Ms. Lundgren asked why the Navy will scan the area after the screening pad is closed; if the Navy knows there is contamination, it should be addressed first. Mr. Yantos explained the screening yards will be scanned before the screening pads are installed, and then again after all of the screening pads are removed to make sure no contamination was left behind.

Andrea McHenry (resident) asked if there are other communities where residents remain during cleanup of contaminants such as dioxins, polycyclic aromatic hydrocarbons, and asbestos. Mr. Clark said this situation is not unique. For example, the Navy has a site in Novato, California, where the Navy conducted a cleanup where residents are living near the site. Ms. Smith said the situation is similar at the housing at Former Naval Air Station Alameda, with residents living near sites where there was an incinerator, and dioxins and furans and heavy metals were remediated. Ms. McHenry said she would like to state for the record that she is revolted and outraged, and beginning next month (May 2015) she no longer wants to live on the island. Mr. Forman said he understands the project will be inconvenient and disruptive to the residents. He pointed out

Bob Beck (TIDA) in the audience, and told Ms. McHenry she should speak to Mr. Beck and her housing provider if she wishes to move.

Erik Lundgren (resident) asked what is meant by “high winds” with regards to stopping work. Mr. Yantos said “high winds,” are winds that reach 25 miles per hour and are sustained at that speed. If that occurs, it would necessitate a stop-work.

Carol Harvey (journalist) said she believes an epidemiological study should be made of the residents at TI. Ms. Harvey also said she is concerned that effort is being put into scanning for munitions at TI, when she believes soil imported from Doyle Drive for the city’s reuse project will contain munitions and petroleum contamination. Ms. McFadden said any soil the city imports must be sampled, tested, and meet DTSC standards. Ms. McFadden added that she, on behalf of the Navy, reviews where the imported soil is from and verifies that the soil has passed DTSC standards. Mr. Forman added that, regardless of where the soil comes from, it would not be brought on the island if it does not pass DTSC standards.

Ms. Harvey asked where the contaminated soil from this project will be taken. Mr. Schul said it depends on the classification of the soil. The soil may go to Kettleman City near Bakersfield, or to a landfill in Pittsburg, California, as well as some other landfills. Ms. Harvey asked for a list of all of the landfills where the soil will be sent. Mr. Forman indicated that this will become available once the project is complete and the Navy produces a Removal Action Completion Report (RACR).

Ms. Lundgren said she agrees that an epidemiologic study is necessary for TI. Ms. Lundgren said she believes the Navy may have good intentions but site conditions and the cleanup are harming people. She believes all residents should be relocated until the cleanup is completed.

Dan Waligora (CDFW) asked if the Navy could share the specific acceptance criteria used to evaluate soil being imported to TI. He said he recalls seeing that information in a report before. Mr. Forman said those criteria will be provided in the final RACR.

Ms. Lundgren said the 2-minute time period allotted for questions is not adequate. She asked if there are plans for more in-depth question and answer sessions with the Navy in the future. Mr. Forman said he has collaborated with Mr. Beck to attend community meetings where he is present to answer community questions. Mr. Forman said he plans to continue attending community meetings to be available to answer community questions. Mr. Forman added that he feels the RAB meetings provide ample time for questions

and answers now – with opportunities to ask questions on each presentation and then an open Q&A session at the very end of each meeting. Ms. Pilram said that in February, the day after the RAB meeting, the Navy attended the TIDA community meeting and brought staff to answer questions. However, only Ms. Pilram and Ms. Hogue attended; no other residents came to the meeting.

Ms. McHenry said she also thinks 2 minutes at the RAB meeting is not adequate; people should be able to ask as many questions as they want, and the Navy should make sure to answer all of them. Mr. Forman said the Navy wants to hear and answer questions. He noted he is available all the time, not just during RAB meetings, and his cell phone number, (415) 308-1458, is publicized and calls are welcomed. Mr. Forman added that many residents who have specific questions that they would like answered email him, and he responds.

Ms. Harvey said she is concerned that there are plans to build housing at the current Building 342 area because it is a contaminated area. Mr. Forman said Building 342 is not near Site 12; it is part of Site 24, and was used as a Radiation Detection, Indication, and Computation (RADIAC) training center. It is listed as radiologically impacted, which means it needs to be investigated. It is being investigated pursuant to the Historical Radiological Assessment Supplemental Technical Memorandum, but to say it is contaminated is incorrect and misleading. The Navy does not know that radiological contamination is present because the radiological surveys have not been completed yet. Mr. Forman also said it is incorrect to say the Navy is planning to use any area for housing. The Navy does not develop or implement the redevelopment plan. Mr. Forman added that the City of San Francisco has indicated it will not accept any property that is encumbered with radiological restrictions. Before transfer, which means before any sort of reuse and redevelopment, the property must receive radiological free release from the CDPH. The process has many steps and numerous safeguards.

New Business - Document Tracking Sheet and Field Schedule

Mr. Clark presented the Document Tracking Sheet (Attachment C) and the Field Schedule (Attachment D). Items highlighted in blue require agency comments within the next 30 days. Items highlighted in yellow will be issued in the next 30 days. Mr. Clark pointed out documents of interest, including the action memorandum for Site 12, the record of decision for Site 24, and the annual Site Management Plan.

New Business - Co-Chair Announcements and Future Agenda Items

Ms. Pilram said there is a meeting on April 22, 2015, at 7:00 p.m. (the night after the current meeting) at the Casa de la Vista for Yerba Buena Island (YBI)

residents. The purpose is to discuss their relocation to TI. There will be another meeting on April 25 at 10:00 a.m. for those who cannot attend on April 22. Mr. Beck said the meetings are open to the public, but are intended for YBI residents to get their questions answered.

Closing Remarks

Mr. Forman thanked everyone for attending. The next RAB meeting will be Tuesday, June 16, 2015. The meeting was adjourned at 8:56 p.m.

Action Items

#	Action Item	Due Date	Status
	None		

21 April 2015 RAB Meeting Handouts

- Attachment A: NAVSTA TI RAB Meeting No. 176 Agenda
- Attachment B: Next Removal Actions at Site 12
- Attachment C: Document Tracking Sheet
- Attachment D: Field Schedule

AGENDA
NAVAL STATION TREASURE ISLAND
ENVIRONMENTAL RESTORATION ADVISORY BOARD MEETING
Tuesday, 21 April 2015
Casa de la Vista Building 271, Treasure Island
MEETING NO. 176

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

Lead: Keith Forman, Navy Co-Chair

7:20 – 7:30 BRAC Cleanup Team Update

Leads: DTSC and Water Board

III. NEW BUSINESS

7:30 – 8:25 Upcoming Site 12 Field Work -Westside/Bayside/NorthPoint

Leads: Chris Yantos and Patricia McFadden, Navy

Presentation Q&A : RAB

Presentation Q&A : Community

8:25– 8:35 Document Tracking Sheet and Field Schedule

Lead: Dave Clark, Navy

8:35 – 8:45 Co-Chair Announcements and Future Agenda Items

Leads: Alice Pilram and Keith Forman

IV. COMMENTS ON NON-AGENDA ITEMS

8:45 – 9:00 Community Question and Answer Period

Lead: Keith Forman, Navy Co-Chair

9:00 Adjourn

Next Regular Meeting: No May 2015 Meeting

7:00 pm Tuesday, 16 June 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, 26 May 2015
Call-In Number: 1- 866-738-8583
Participant Code: 6153166

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

Navy San Diego Office Address:

BASE REALIGNMENT AND CLOSURE
PROGRAM MANAGEMENT OFFICE WEST
NAVAL FACILITIES ENGINEERING COMMAND
1455 FRAZEE ROAD, SUITE 900
SAN DIEGO, CA 92108-4310

**Upcoming Site 12 Field Work
Westside/ Bayside/ North Point**

**NAVAL STATION TREASURE ISLAND,
SAN FRANCISCO, CALIFORNIA**

**Restoration Advisory Board Meeting
April 21, 2015**

Presentation Overview



- Project Goals
- Contaminants at the Site
- Activities Already Completed
- Future Work Activities
- What Will You See During Field Work?
- Project Schedule
- Project Milestones



Oblique aerial photo of Treasure Island

Project Goals



- **Remove all solid waste** from Solid Waste Disposal Areas (SWDA)
 - North Point, Bayside, and Westside
- **Verify contaminants are gone** from the bottom and sides of the dig site
 - Chemical and Radiological soil testing
- Off-site disposal of solid waste and contaminated soil
- Backfill with clean import soil
- Get “Unrestricted Radiological Release” and “no further action” for all contaminants from regulators **
- Site Restoration



Treasure Island Solid Waste Disposal Areas (SWDAs)

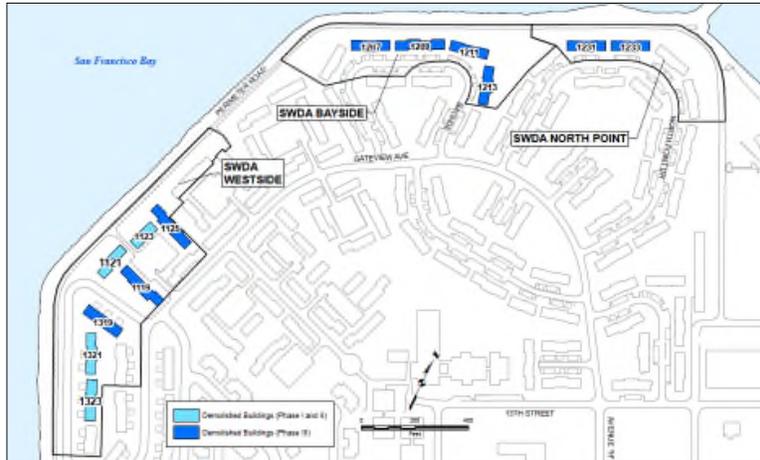
** Department of Toxic Substance Control (DTSC), The California Department of Public Health (CDPH), Regional Water Quality Control Board (Water Board)

Contaminants at the Site



- Chemical Contaminants
 - Lead: From disposal of lead-containing items
 - PCBs: Found in coolants; industrial equipment such as electrical transformers and capacitors
 - PAH: From burning of industrial oils and greases (hydraulic oils, diesel, motor oil)
 - Dioxins: From burning of waste
- Radiological Contaminants
 - 226-Radium: Used in paints to make items such as ship deck markers and dials visible in the dark. Radium salts were also used on training devices; i.e. “foils”

Activities Already Completed



Site 12 buildings demolished to date

Activities Already Completed (continued)



Preparation for building demolition

- Radiological scanning and clearance of building material
- Asbestos abatement



Radiological Technician scanning building material using radiological instruments



Containment and negative air pressure machines set up for asbestos abatement at Building 1119



Removal of asbestos containing construction debris (old floor tiles, drywall, adhesives)

Activities Already Completed (Continued)



Building demolition

- Demolished 9 buildings
- Building debris disposal at off-site landfill
- Radiological surveys of concrete foundations



Building 1211 demolition using an excavator. Water used to minimize dust generation.



Radiological technicians surveying concrete foundation of Building 1211.

Future Work Activities



- Removal of all solid waste and contaminated soil
- Waste Sorting: sorting of waste soil at radiological screening yard (RSY)
- Chemical and Radiological soil sampling of dig site
- Radiological gamma scan of the dig site (bottoms and sidewalls)
- Backfill with clean import soil
- Waste Disposal: To off-site landfill
- Site restoration (seeding)



Soil screening using radiological detectors mounted on a "buggy"



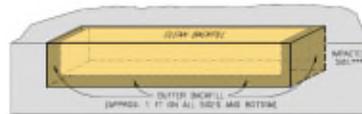
Soil screening using radiological detectors mounted on a battery powered cart

Types of Soil to be Excavated



Types of soil to be excavated at Site 12:

1. **Impacted Soil:**
 - Soil POTENTIALLY containing radium or chemical contaminants
 - This soil will be radiologically and screened on RSY pads
2. **Buffer Backfill:**
 - Clean, imported soil placed as backfill in 2007
 - Due to contact with impacted soil, one-foot of buffer backfill soil will be radiologically screened on RSY pads
3. **Clean Backfill:**
 - Clean, imported soil placed as backfill in 2007
 - No contact with impacted soil
 - Clean backfill will be stockpiled separately for reuse as backfill material



FUNCTIONAL TO CONSTRUCTION FILL MATERIAL
POTENTIALLY CONTAINING RADON GAS/OR OTHER CONTAMINANTS



Soil Screening Pads



Planned locations for Radiological Screening Yard Pads.

Soil Screening Pads (continued)



- Radiological screening yard (RSY) pads will be used to sort soil
- Soil will be scanned and sampled
- Radiological detectors are mounted on “buggies” or battery powered carts which are used to scan soil
- All radiological objects and soil will be removed and disposed separately as low-level radiological waste
- Low-level radiological waste will be placed in large “bins”
- Radiologically cleared soil will be stockpiled awaiting waste disposal at an off-site landfill

Right:
Construction of an RSY pad



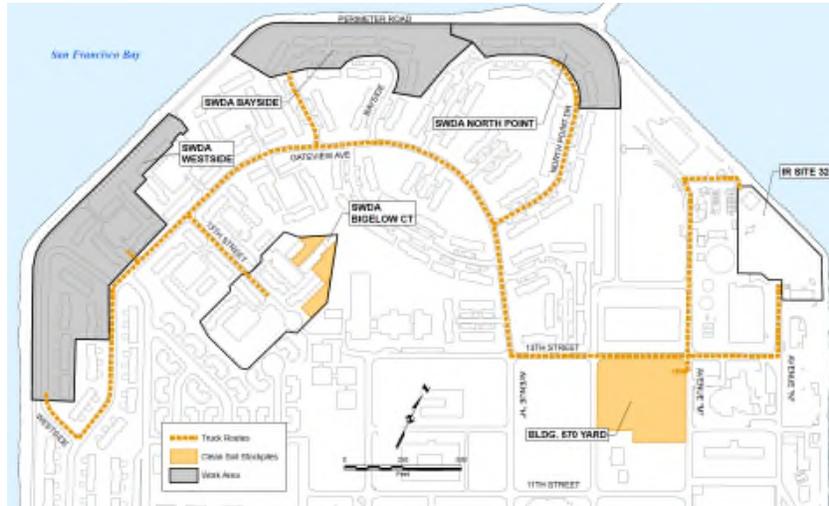
Right:
Typical RSY Pad



Sequence of Excavations: Start at SWDA North Point



Truck Routes for Backfill and Empty Dump Trucks



Routes for clean backfill and empty trucks.

15

BRAC Program Management Office.

What Will You See during Field Work?



Examples of Stationary Controls (24 hours/day)

- Fenced areas (“Exclusion Zones”)
- Project postings and signs
 - Radiologically Controlled Area
 - Do Not Enter
- Air monitoring equipment
- Traffic controls
- 24-hr site security



16

BRAC Program Management Office.

What Will You See during Field Work?



During Work Hours (7 am to 5 pm):

- Field crews wearing personal protective equipment
 - hard hat, safety glasses, work boots, boot covers, gloves, and sometimes Tyvek coveralls
- Heavy equipment and large trucks entering and exiting the fenced areas
- Dump trucks (carrying soil & empty)
- Workers directing traffic
- No idling of trucks in neighborhood
- 24-hr site security

Right:
Radiological technician scanning at entry and exit point.



Above: Traffic Controls



Right:
Loading of waste trucks

What Will You See during Field Work? Bayside Drive



- SWDA Bayside excavation extends to Building 1222
- Bayside Drive road closure needed
- Road closure planned for May 28, 2015 through mid May 2016



Road closure at Bayside Drive

Munitions findings at Site 12

Inert = Non-explosive



- No active munitions activities during the operations at Treasure Island
 - There were no ranges; only training and munitions storage
- 19 inert munitions items were found in the 2009 excavation at SWDA Westside by vacant buildings 1321 and 1319
 - Items were stored by the contractor until disposed of in Feb 2012
 - Navy presented to RAB in February 2012
- An additional 3 inert items were found in debris area near vacant building 1123 in March 2014
 - No other items found at Site 12
- While we only expect inert items, Navy is required to use safety measures as a precaution at this site



Items found in 2009



Items found in 2014

Munitions Screening of Soil



- Only inert items have been found at Treasure Island
- Munitions only expected in the SWDA Westside disposal area
- As a precaution, soil will be screened for munitions:
 - Metal detectors used for soil screening
 - A 3rd party contractor oversees the work
- Safety distances during the work will ensure safety of the workers and will not impact the adjacent community
- If an item cannot be verified free of explosives, then munitions experts will be brought in to resolve



Material from two areas will be screened with metal detectors

Munitions Screening of Soil (continued)



Technicians using a metal detector and hand tools to investigate metal objects on a radiological screening yard (RSY) pad

Dust Control



Dust Control Measures

- Fabric will be installed on fencing around dig site to help control windblown dust
- Soil will be wetted before and during excavation activities
- Height from which soil is released by excavators into trucks or stockpiles will be minimized
- Excavation work will be suspended during high wind conditions
- Soil stockpiles will be coated with a glue-like substance to control wind blown dust (usually dyed green)



Fabric installation on perimeter fence



Spraying dust control agent on stockpile

Trucks and Dust Control



Dust Control Measures during trucking

- Speed limits will be enforced on road ways (15 mph) and within work areas (5 mph)
- All trucks carrying contaminated soil will be covered at all times
- Roads will be watered
- Exit points/De-con stations: All trucks and equipment will be brushed off when leaving work areas (dry brushing)
- Track out prevention: All trucks will drive over tire-cleaning rumble plates
- Wet sweeping/street cleaning of public roads during all soil hauling and waste disposal activities



Above: Wetting of roads using water truck



Right: Rumble plates

Air Monitoring



- Air quality will be continuously monitored throughout soil moving activities at dig sites, along trucking routes, and at RSYs.
- Results from the air monitoring sampling will be posted on the BRAC PMO website



Left: Personal air monitoring device.

Right: Air monitors for radiation will also be located upwind and downwind of work activities.



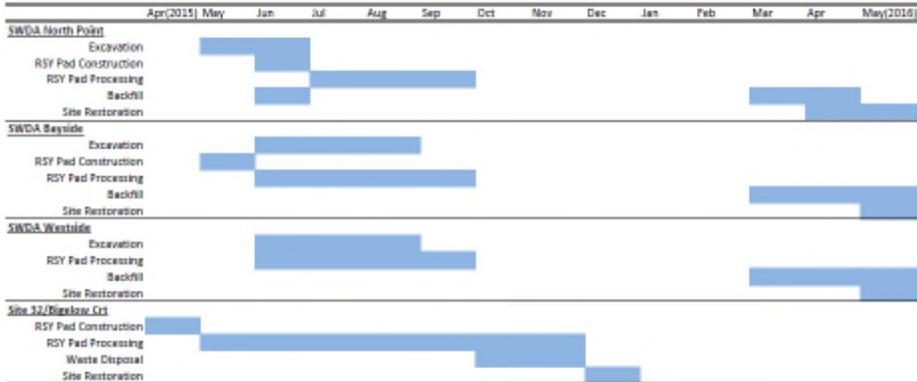
Right: Perimeter air monitoring station for daily downwind sampling. Samples will be analyzed by an off site laboratory.



Project Schedule



Shaded blue indicates dates with highest activity



Schedule of Milestones



- May 2015 – Excavations Start**
- Aug 2015 – Excavations Complete**
- Sep 2015 – RSY Pad Soil Processing Complete**
- Nov 2015 – Waste Disposal Complete**
- Mar 2016 – Radiological Field (Final Status) Surveys Complete**
- May 2016 – Site Restoration Complete**
- June 2016 – Final Status Survey Report**
- June 2016 – Final Removal Action Completion Report**



Artistic renderings from TIDA website

**Naval Station Treasure Island
Environmental Cleanup Program
Document Tracking Sheet
April - September 2015**

Item	Document Title & Information	CTO/DO	DRAFT							RTC		FINAL	Comments		
			Draft to Agencies	Date Due	Agency Comments					Preliminary RTCs to Agencies	Resolve and Concur on RTCs	Final to Agencies			
					DISC	WATER BOARD	TIDA/TICD	RAB	OTHER					Priority Review	
Site 6															
1	Pre-Remedial Design Data Gaps SAP	:	01/15/15	✓	02/13/15	✓	✓	✓	✓	✓	03/17/15	✓	04/17/15	05/18/15	
	RPM: Bryce Bartelma PM: Ted Tyler, CE2 Kleinfelder														
2	FSS Report	:	10/30/15		12/05/15						12/13/15		12/27/15	01/17/16	
	RPM: Louie Cardinale PM: Shanti Montgomery, TTEC														
3	RD/RAWP	:	08/21/15		09/22/15						10/22/15		11/21/15	12/14/15	
	RPM: Bryce Bartelma PM: Ted Tyler, CE2 Kleinfelder														
Site 12															
4	Phase III NTCRA Work Plan	:	03/17/15	✓	04/24/15						05/05/15		05/08/15	05/11/15	
	RPM: Chris Yantos PM: Ulrika Messer, CB&I														
5	Feasibility Study Addendum, Non-SWDA	0039	01/29/15	✓	02/27/15	✓	✓	✓	✓		04/17/15		04/25/15	05/15/15	
	RPM: Bryce Bartelma PM: Doug Gilkey, KCH														
6	Action Memo for Removal Actions at Site 12	0058	05/08/15		06/08/15						07/08/15		07/30/15	08/31/15	
	RPM: Bryce Bartelma PM: Cheryl Martin, TriEco-Tt														
	SWDA Bigelow Court FSS Report	0010	11/11/14	✓	12/19/14	✓	X	✓	✓		02/06/15	✓	02/20/15	03/06/15	✓
	RPM: Tony Konzen PM: Ulrika Messer, CB&I														
7	SWDA Bigelow Court PCSR Report	0010	05/29/15		06/30/15						07/10/15		07/17/15	07/23/15	
	RPM: Tony Konzen PM: Ulrika Messer, CB&I														
Site 21															
	RACR	0038	09/03/14	✓	10/06/14	✓	✓	✓			11/25/14	✓	01/27/15	02/24/15	✓
	RPM: Danielle Janda PM: Kent Huth, TriEco-Tt														
Site 24															
	PP/Draft RAP	0038	12/19/14	✓	01/28/15	✓	✓	✓			02/05/15	✓	02/10/15	02/20/15	✓
	RPM: Danielle Janda PM: Jean Michaels, TriEco-Tt														
8	Soil Gas Data Gaps Sampling WP	:	04/24/15		05/25/15						06/20/15		07/08/15	08/03/15	
	RPM: Danielle Janda PM: Patrick Hamner, Trevet														
9	ROD/RAP	:	05/06/15		06/05/15						07/05/15		08/04/15	09/03/15	
	RPM: Danielle Janda PM: Jean Michaels, TriEco-Tt														
Site 27															
10	LUC RD Addendum	:	11/21/14	✓	12/31/14	✓	✓	✓			03/11/15	✓	03/25/15	05/01/15	WB comments received on 2/4/15
	RPM: Bryce Bartelma PM: Tony Guiang, MMEC														
Site 31															
11	RACR	:	05/13/15		06/17/15						07/22/15		08/19/15	09/02/15	
	RPM: Louie Cardinale PM: John Baur, Gilbane														
12	FSS Report	:	09/24/15		10/26/15						11/25/15		12/23/15	01/06/16	
	RPM: Louie Cardinale PM: TBD														
YF3															
	SLERA	0038	07/18/14	✓	08/18/14	✓	✓	✓	✓		12/19/14	✓	02/12/15	03/19/15	✓
	RPM: Louie Cardinale PM: Katie Henry, TriEco-Tt														
Groundwater Monitoring															
13	2014 Sites 6, 12, 21, 24 Groundwater Report	:	04/17/15	✓	05/18/15						06/17/15		07/14/15	08/04/15	
	RPM: Louie Cardinale PM: Patrick Hamner, Trevet														

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					DISC	WATER BOARD	TIDA/TICD	RAB	OTHER							
Radiological Reports																
14	Radiological Work Plan, Radiological Surveys at Various Areas (Phase II) RPM: Danielle Janda PM: Lisa Bercik, CB&I	0012	12/24/14	✓	03/11/15	✓						03/27/15	✓	04/09/15	05/04/15	
15	Site 12 and Selected Roadways Scoping Survey Report RPM: Danielle Janda PM: John Baur, Gilbane	0006	12/16/14	✓	01/23/15	✓	X	✓				04/06/15	✓	04/13/15	04/27/15	
16	Radiological Survey Report for Building 3 RPM: Danielle Janda PM: John Baur, Gilbane	0006	06/23/15		07/23/15							08/22/15		09/21/15	10/14/15	
17	Radiological Survey Report for Selected Storm and Wastewater Lines RPM: Danielle Janda PM: John Baur, Gilbane	0006	06/23/15		07/23/15							08/22/15		09/21/15	10/14/15	
18	Radiological Survey Report for Site 32 RPM: Danielle Janda PM: John Baur, Gilbane	0006	07/06/15		08/05/15							09/04/15		10/04/15	10/27/15	
	1400 Series Radiological Sampling Report RPM: Danielle Janda PM: Ulrika Messer, CB&I	0012	11/05/14	✓	12/08/14	✓	X	✓				02/09/15	✓	02/23/15	02/27/15	✓
Other Reports																
19	2014 Finding of Suitability to Lease (FOSL) RPM: Derek Robinson PM: Dennis Kelly, TriEco-Tt	0058	TBD		TBD							TBD		TBD	TBD	
20	Sites 21, 27, & 30 LUC Inspection Report RPM: Danielle Janda PM: Marcie Rash, TriEco-Tt	0058	04/16/15	✓	05/18/15							06/15/15		06/22/15	07/06/15	
21	2015 Site Management Plan RPM: Danielle Janda PM: Marcie Rash, TriEco-Tt	0058	05/08/15		06/09/15							07/07/15		07/29/15	08/28/15	

✓ Production or review of document is complete. Abbreviations:

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.

Green shading indicates priority document for upcoming January 2016 transfer.

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
 SLERA = Screening-level ecological risk assessment
 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
April - September 2015**

Item	Activity and Investigation Area	Field Dates	Navy RPM (Contractor)	Complete
Site 6				
1	Final Status Survey	Start: 09/29/14 Finish: 07/29/15	Louie Cardinale (Tetra Tech)	
2	Pre-Remedial Design Data Gaps Sampling	Start: 05/19/15 Finish: 05/29/15	Bryce Bartelma (CE2 Kleinfelder)	
Site 12				
3	Bigelow Court Non-Time Critical Removal Action	Start: 04/07/14 Finish: 05/08/15	Tony Konzen (CB&I)	Completed except for backfilling, which is in progress
4	Phase III Non-Time Critical Removal Action	Start: 05/12/15 Finish: 09/20/16	Chris Yantos (CB&I)	
Site 24				
5	Data Gaps Investigation	Start: 08/04/15 Finish: 08/03/16	Danielle Janda (Trevet)	
Other				
6	Radiological Surveys at Various Areas (Part II)	Start: 05/05/15 Finish: 07/16/15	Danielle Janda (CB&I)	
	Sites 6, 12, 21, and 24 Groundwater and Soil Gas Monitoring	Start: 03/09/15 Finish: 03/13/15	Louie Cardinale (Trevet)	✓
7	Sites 6, 12, 21, and 24 Groundwater and Site 21 and 24 Soil Gas Monitoring	Start: 08/24/15 Finish: 08/28/15	Louie Cardinale (Trevet)	

Abbreviations:

- ✓ Field work is complete.
- RPM Remedial project manager
- SWDA Solid waste disposal area
- 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.