



Naval Facilities Engineering Command Southwest
Base Realignment and Closure West,
San Diego, CA

**FINAL
RESTORATION ADVISORY BOARD MEETING
MINUTES**

Former Naval Station Treasure Island
San Francisco, California

June 18, 2019

Approved for public release; distribution is unlimited



FINAL

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

Meeting 198

18 June 2019

Community Restoration Advisory Board (RAB) Members in attendance:

Nathan Brennan, John Gee, Becky Hogue, Alice Pilram, Dale Smith

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

Katrina Kaiser, Regional Water Quality Control Board (Water Board)

Tahirih Linz, Navy Base Realignment and Closure (BRAC) Environmental
Coordinator

Kim Walsh, California Department of Toxic Substances Control (DTSC)

Other Navy, Regulatory Staff, and Consultant Representatives in attendance:

Dave Clark, Navy Lead Remedial Project Manager

Kara Fincham, Adanta, Inc.

Bill Franklin, Navy

Janet Lear, Navy

Marsha Maloof, Maloof & Associates

Kimberly Noble, Navy Radiological Affairs Support Office (RASO)

Dennis Parker, Navy

Reginald Paulding, Navy

Lyndsey Allison-Russell, RASO

Joe Schwennesen, Adanta, Inc.

Rick Wice, Battelle

Geoff Mordock, Fleishman Hillard

Public Guests in attendance:

Bob Beck, Treasure Island

Kevin Kempf, resident

Development Authority (TIDA)

Julia McCartan, GreenAction

Sheridan Enomoto, GreenAction

Carol Harvey, journalist

Welcome Remarks, Agenda Review, and RAB Discussion Items

Marsha Maloof (facilitator) opened the June 2019 RAB meeting for Former Naval Station Treasure Island (NAVSTA TI), held at One Avenue of the Palms, Building One on Treasure Island (TI). Ms. Maloof initiated a round of introductions. Reginald Paulding (Navy) noted he has been serving as the interim BRAC Environmental Coordinator (BEC) for NAVSTA TI. Mr. Paulding introduced the new, permanent BEC for NAVSTA TI, Tahirih Linz. Ms. Linz served as a project manager at Former Naval Air Station Alameda (Alameda

ADAN-6004-0000-0031

Point) for the past four years and has numerous years of environmental experience. Dale Smith (RAB member) said she worked with Ms. Linz on the Alameda Point RAB, where she felt Ms. Linz was communicative and informative, and she looks forward to working with her on the NAVSTA TI RAB.

Alice Pilram (RAB Community Co-Chair) reviewed the agenda (Attachment A).

New Business – Five-Year Review (FYR) Process

Ms. Linz began the presentation on the FYR process for NAVSTA TI (Attachment B.) Ms. Linz said the FYR is a requirement of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process. The purpose of the FYR is to evaluate the implementation and performance of an in-place remedy. The remedy process is triggered by the signing of a Record of Decision (ROD). Once a ROD is signed, the FYR for that site must be done every five years.

Ms. Linz said the first ROD for NAVSTA TI was signed in 2009. The first FYR was completed in 2014, and now, in 2019, the Navy is completing the second FYR for NAVSTA TI. A site with a signed ROD, where contaminants remain at levels that require restrictions on reuse, must be part of the FYR.

Ms. Linz said the FYR specifically evaluates whether a remedy is functioning as intended, being implemented properly, and effectively protecting human health and the environment. The FYR includes data from site inspections, and reviews updated regulatory criteria to compare the remedy to updated cleanup goals. For each site, the team must answer questions including: 1) is the remedy working, 2) are exposure assumptions still valid, and 3) is there anything else to consider?

In addition, there is a community involvement component to the FYR. The Navy publishes a notice in the *San Francisco Examiner* announcing that the process has begun; additional notices are published upon issuance of the draft and then the final FYR document. Also, the Navy is currently conducting interviews with RAB members, community members, and members of the military during the month of June, specifically to gather information regarding the three questions above. Ms. Linz said if anyone present during this meeting would like to participate in a brief phone interview regarding the FYR sites, they should discuss it with Joe Schwennesen (Adanta, Inc.) during the break or immediately following the meeting.

Ms. Linz said the draft FYR report will be available in the information repository when it is issued for a 30-day review. In addition, a fact sheet summarizing the protectiveness of the remedies at each site, as detailed in the Final FYR, will be provided to the full NAVSTA TI community mailing list.

Ms. Linz said there are six CERCLA sites included in the FYR. Dave Clark (Navy) took over the presentation and provided details about each of the sites.

Three of the sites were included in the previous FYR: Sites 21, 27, and 30. In 2014, the FYR found the remedy at these three sites to be protective.

For the 2019 FYR, Sites 6, 12, and 24 will be included. Mr. Clark reviewed the site history, contaminants of concern, planned future reuse, and current remedy in place at each of the six sites. Mr. Clark noted that Site 12 will have two decision documents (or RODs) so while one is complete, another one specific to radiological contamination (and non radiological for the SWDAs) will be prepared.

Ms. Linz reviewed the schedule for the FYR. A draft will be available in August, announced with a public notice in the *San Francisco Examiner*, and there will be a 30-day public comment period. An email will also go out to the community email list announcing that the document is available in the information repository and on the Navy's website. The final FYR is expected to be completed in December 2019. Comments received on the draft will be responded to in the final. A public notice will be issued when the final FYR is available and a fact sheet will be sent to the NAVSTA TI community mailing list.

Ms. Maloof opened the floor to questions from the RAB. Nathan Brennan (RAB member) asked if per- and polyfluoroalkyl substances (PFAS) will be included in the review of Site 6. Mr. Clark confirmed that they will, because emerging contaminants are covered in the FYR process. Ms. Smith said she is concerned about PFAS at Site 24, the former dry-cleaning facility. PFAS were specifically used to waterproof clothing, especially in the brand GORE-TEX. Katrina Kaiser (Water Board) said she agrees that the possibility of PFAS at Site 24 should be considered by the Navy in the FYR. Mr. Clark said a potential recommendation that could be part of the FYR document is to look further into sites for PFAS. Mr. Clark added that groundwater is not a source of drinking water and the concern is for ecological protection. Ms. Smith said she has been concerned for ecological receptors.

Ms. Smith said the plan to run a notice in the *San Francisco Examiner* may be not be the best medium to notify people, and suggests it only if a print publication notice is required. Ms. Linz confirmed a print publication notice is required and asked for alternate suggestions. Becky Hogue (RAB member) suggested the *San Francisco Chronicle*. Ms. Linz said she will look into it.

Ms. Smith referred to the remedy at Site 27 and asked how the rock is considered to be protective. Mr. Clark said it needs to prevent ducks being exposed to lead shot by preventing erosion of sediment. The rock needed to be small enough for redevelopment, so pier support piles can be pushed through it. But the rock also needs to be large enough to stay in place during small seismic events.

Ms. Smith asked why Site YF3 is not being discussed as part of the FYR. Mr. Clark said the FYR is part of the CERCLA process, and YF3 is not included

because it is a petroleum site. He noted that site is still open and the Navy is working with the Water Board to evaluate alternatives.

Ms. Maloof opened the floor to questions from the public. Sheridan Enomoto (GreenAction) asked for clarification about the planned reuse for some of the sites in the FYR—specifically those Mr. Clark noted will be used for open space. Mr. Clark said that could include open space or recreational space, such as ball fields. Ms. Enomoto said she expects open space to be areas where people walk and jog, children play, and people walk dogs who may dig. She asked if restrictions against digging will remain in place. Mr. Clark said the restriction for each site differs. He noted for Site 12 the Navy is hoping to gain unrestricted reuse, whereas at Site 21 there are restrictions, but Site 21 will not be designated as open space. Ms. Enomoto asked if there would be notices in place for areas with restrictions. Mr. Clark confirmed that property owners/landlords bear the responsibility for notifying users of any restrictions as well as conducting annual inspections and notifications to ensure restrictions and remedy are still in place.

Ms. Enomoto noted radiological contamination was not mentioned in the presentation and asked if that is reviewed in the FYR process. Mr. Clark said the ROD for radiological constituents at Site 12 has not yet been prepared. After the radiological ROD for Site 12 is signed, it will be covered in the next FYR (2024) if the site does not achieve radiological release for unrestricted use.

Carol Harvey (journalist) asked for more information about rock armor. Mr. Clark said the armor rock must be a certain size so that it forms a barrier, like a layer of armor, above the sediment in Site 27. It is semipermeable, with sediment being able to filter through. The rock armor is approximately 1 to 1.5 feet thick.

Ms. Harvey asked about the daycare center, Site 30, and whether there is enough of a cap to protect children from exposure to lead present in the soil. Mr. Clark said the Navy and the regulatory agencies concur that the cap in place prevents exposure to potential contaminants under the building. Mr. Clark explained the cap is the concrete foundation beneath the building and it is several feet thick. Contamination located outside of the foundation area was excavated and removed before the facility was leased as a daycare center.

New Business – BRAC Cleanup Team Update

Kim Walsh (DTSC) said she has been working primarily on Sites 12 and 24. At Site 12, DTSC reviewed the draft technical memorandum for Request for Unrestricted Radiological Release of select open spaces. DTSC provided comments, along with the California Department of Public Health (CDPH) and the Navy is currently reviewing and preparing responses to those comments. Ms. Walsh said one of the primary comments was that the areas for unrestricted radiological release come up against the boundaries of the solid waste disposal

areas (SWDA). DTSC would like to make sure those boundaries are fully delineated and do not include a SWDA.

Ms. Walsh said DTSC conducted field activities at Site 24, including site inspections. They identified damaged soil vapor probes and are working with the Navy and TIDA to ensure those get replaced. Ms. Walsh said the team is focused on ensuring that Site 24 is ready for property transfer. Part of that process is reviewing the Navy's land use control remedial design and the finding of suitability to transfer. Ms. Walsh said DTSC has also been working with CDPH on the radiological confirmation surveys for Site 24. Ms. Smith said she appreciates the written comments related to radiological issues that she has seen, provided by Ms. Walsh.

Ms. Kaiser said the Water Board has been working on many of the sites and documents discussed by Ms. Walsh. In addition, the Water Board is focusing on documents related to petroleum sites. This includes review of a request for no further action for underground storage tank (UST) 240 and aboveground storage tank 240 at Site 6. Ms. Kaiser is also reviewing the workplan for UST removals at Site 12.

Ms. Harvey asked about the location of the USTs in Site 12. Mr. Clark clarified that they are located in an open space near former fire station 48.

New Business – Citizen's Advisory Board (CAB) Update

Ms. Hogue and Mr. Brennan are also members of the CAB, which is an advisory board to TIDA. Ms. Hogue provided an update. Since the last RAB meeting, the CAB has met twice. Developers broke ground on Yerba Buena Island for the condominiums that will be built there. The developer hopes to establish a community by March 2021. Ms. Hogue said the new San Francisco Supervisor for District 6, which includes NAVSTA TI, is Matt Haney. Mr. Haney has been attending TIDA Board meetings and hosted a town hall meeting on TI. Next year the TIDA Board plans to hold three board meetings on TI.

Ms. Hogue said that TIDA held a meeting for residents who had been living on NAVSTA TI since before a development agreement was signed in 2011. Ms. Hogue said she left that meeting feeling more secure about her continued residency on TI.

Ms. Hogue said other highlights from the CAB include recent board elections, a report of two new gardens on TI, and a reduction in size of the marina. Information, including reports and meeting dates for the CAB, can be found at www.sftreasureisland.org.

RAB and Public Comment Period

Ms. Maloof opened the floor to general questions and comments from the RAB. Dale Smith (RAB member) said she had difficulty accessing Building One (the

location of this RAB meeting). Mr. Clark agreed the construction does make access confusing. The Navy will look into posting signs to help people more easily find the access to the parking lot for Building One. (Note that the access to Building 1 will be reconfigured by the time of the new RAB)

Ms. Smith said she would also like to raise a concern with FOST 8, which includes suitability of several buildings for transfer. Ms. Smith feels several contaminants of concern were overlooked and should be addressed before the building is transferred. This includes mercury in lighting ballasts and radiological contamination such as tritium in old exit signs. Mr. Clark said building demolition properly addresses such items as part of the standard protocol. Ms. Smith said Navy presentations and documents commonly note how other contaminants, such as lead and asbestos, are addressed prior to building demolition, so other protocols should be detailed as well. Ms. Clark said the buildings in FOST 8 will be demolished as part of redevelopment, and such protocols are part of the redevelopment plans and will not be addressed by the Navy. Ms. Smith requested the CAB members take note of those protocols for demolition and Ms. Hogue said she would take note and bring it up at a future CAB meeting.

Ms. Maloof opened the floor to general questions and comments from the audience. Ms. Enomoto said she noticed that recently, many of the residential buildings in the housing area have new Proposition 65 warning notices posted. She noted the warning signs do not list the specific chemicals, which she understands to be part of the warning requirement. Mr. Clark said the housing provider was responsible for posting such warnings in the housing area. He believes those signs are being posted to comply with a city ordinance requiring Proposition 65 requirements, such as posting warning signs, be implemented.

Julia McCartan (GreenAction) asked if The Villages (housing on TI) are simply leased by John Stewart Company (JSCO) or if JSCO owns the housing. Mr. Clark said JSCO manages the housing under a master lease between the City of San Francisco and the Navy; the Navy still owns the property and the buildings.

Ms. Harvey asked for clarification about why the Proposition 65 signs are being posted now, after people have been living in the housing for decades, and why tenants were not notified sooner. Mr. Clark said notification of environmental hazards and use restrictions has always been present on residential leases.

Ms. Harvey also asked for a follow-up about the Historical Radiological Assessment Supplemental Technical Memorandum, which was presented at a RAB meeting in 2014. Mr. Clark explained that within the past year the Navy made a comprehensive presentation on the radiological program at NAVSTA TI. In addition, the Navy also publishes an annual update to the site management plan (SMP). The SMP summarizes the full environmental cleanup plan, including a section about radiological investigations along with a map and status of

radiological investigation sites. That SMP document is available on the Navy's website.

Ms. Harvey asked about the investigations at 1126 Reeves Court and 1217 Mariner Drive. She would like to know what the Navy was looking for and what they found in both of those locations. Mr. Clark said the work in those areas is part of the remedial action at Site 12. As presented at several RAB meetings, there are numerous "discrete digs" being conducted in Site 12. Buildings 1126 and 1217 were demolished as part of this cleanup and the Navy is going to sample beneath where the building foundations were. Mr. Clark said those investigations have not yet been completed. Mr. Clark said, generally speaking, the contaminants of concern are lead and other metals. In limited areas, polyaromatic hydrocarbons are also contaminants of concern.

Kevin Kempf (resident) asked for clarification about the location of warnings about chemicals on TI. Mr. Clark said her lease should contain amendments noting there are ongoing environmental investigations on TI, as well as use restrictions. Ms. Kempf said she was unable to find that in her lease, and will look further or ask her housing provider. Ms. Kempf said that, as a resident, she and her daughter were concerned about the Proposition 65 warning signs suddenly being posted without information about what they are warning of and why they are being posted now. Ms. Kempf said she has tried to stay informed by attending meetings and bus tours, and is always given verbal reassurance that TI is an environmentally safe place to live. However, she was promised air monitors near her home and then told that was not possible. Now she sees warning signs, and when she has asked for information on the chemicals she is being warned about and why the signs are being posted, she is not given that information from the housing managers. Ms. Kempf asked the Navy and the property managers to be mindful of the children living on TI, the possible physical impacts to their health and reproductive systems, and the concern those signs caused in resident, both adults and children, as well as friends who are visiting.

Ms. Kempf asked how she and other residents can get the information they need, such as what is in, around, and under their buildings, and how those contaminants may interact with each other. Ms. Kempf noted a TIDA staff member said they may organize a meeting to discuss the Proposition 65 signs with tenants. Ms. Kempf noted one meeting is not sufficient, especially as many people may not be able to attend, and reiterated the need for readily available information.

Mr. Clark agreed that knowing where to get information is important and said the Navy continues to strive to make information available. Ms. Linz said she is available by phone and encouraged Ms. Kempf to call her directly with

questions. Mr. Clark encouraged Ms. Kempf to continue her dialogue about the Proposition 65 signs with her housing provider.

Bob Beck (TIDA) provided some clarification about Proposition 65. In March 2019 the Office of Environmental Health and Hazard Assessment adopted new regulations, which are effective as of July 1, 2019. Residential rental properties are required to have Proposition 65 warnings. Mr. Beck added that, according to the state of California website, some of the chemicals of concern include asbestos, lead, and formaldehyde. Mr. Beck summarized that the warning notices that were posted are required and encouraged tenants to discuss concerns about specific contaminants with their property managers.

Ms. Linz said that, in addition to calling her directly, documents are available in the information repositories and on the website. She noted that three air monitoring data reports will be posted on the Navy's website during the week of June 24, 2019, and suggested Ms. Kempf call Ms. Linz if she cannot find those or if she has questions about them.

Ms. Kempf said she would prefer that no additional warning signs be posted on her building and would prefer the removal of the Proposition 65 sign that is there. Ms. Maloof requested that Ms. Kempf discuss this with her property manager. Ms. Kempf noted that she and many other residents have health issues and health concerns, and they do not appreciate the way this information has been poorly communicated. She would prefer communications that are related to health be clear, concise, and easily accessible for residents.

Old Business – RAB Minutes Approval

Ms. Linz asked for comments on the March 2019 RAB meeting 197 minutes. John Gee (RAB member), Ms. Smith, and Mr. Brennan provided edits. The minutes were approved and will be finalized pending incorporation of the edits.

New Business – Co-Chair Announcements, Future Agenda Items, and RAB Discussion Items

The floor was opened to additional RAB comments or questions. Ms. Pilram said the next RAB meeting check-in conference call will take place in August. Mr. Clark will provide an email reminder for that call, which is just for RAB members.

Adjournment

The next RAB meeting will be Tuesday, September 17, 2019. The meeting was adjourned at 8:39 p.m.

18 June RAB Meeting Handouts

- Attachment A: NAVSTA TI RAB Meeting No. 198 Agenda
- Attachment B: FYR Process
- Attachment C: Document Tracking Sheet
- Attachment D: Field Schedule

ENVIRONMENTAL RESTORATION ADVISORY BOARD MEETING AGENDA

NAVAL STATION TREASURE ISLAND

Tuesday, 18 June 2019

One Avenue of the Palms, Building One, Room 117, Treasure Island

MEETING NO. 198

I. WELCOME REMARKS AND AGENDA REVIEW

7:00 – 7:10 Welcome, Introductions, Meeting Guideline Review

Marsha Maloof, Meeting Facilitator

7:10 – 7:15 Agenda Review

Alice Pilram, Community Co-Chair

II. NEW BUSINESS

7:15 – 7:45 Five Year Review Process

Dave Clark and Tahirih Linz, Navy

Presentation Q&A: RAB

Presentation Q&A: Community

7:45 – 7:55 BRAC Cleanup Team Update

Kim Walsh, DTSC and Katrina Kaiser, Water Board

7:55 – 8:05 Citizen's Advisory Board Update

Becky Hogue, RAB member

8:05 – 8:15 Break

8:15 – 8:30 General Comment Period

RAB

Community

III. OLD BUSINESS

8:30 - 8:45 RAB Meeting Minutes Approval Meeting No. 197

Tahirih Linz, Navy

8:45 - 9:00 RAB Discussion Items, Co-Chair Announcements and Future Agenda Items

Alice Pilram, Community Co-Chair and Tahirih Linz, Navy Co-Chair

9:00 Adjourn

Next Regular Meeting: 7:00 pm Tuesday, 17 September 2019

Location: Treasure Island, Building One, Room 117

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

Navy BRAC Web Site: <http://www.bracpmo.navy.mil/NSTI>

Navy San Diego Office Address:

Navy BRAC PMO West
33000 Nixie Way
Building 50, Attention: Tahirih Linz
San Diego, CA 92147
Email: [tahirih.linz @navy.mil](mailto:tahirih.linz@navy.mil)
Local phone number: (415) 308-1458



Treasure Island 2019 Five-Year Review Process

**Naval Station Treasure Island
Restoration Advisory Board Meeting**

June 18, 2019

Tahirih Linz

BRAC Environmental Coordinator – Navy RAB Co-Chair

Presentation Outline

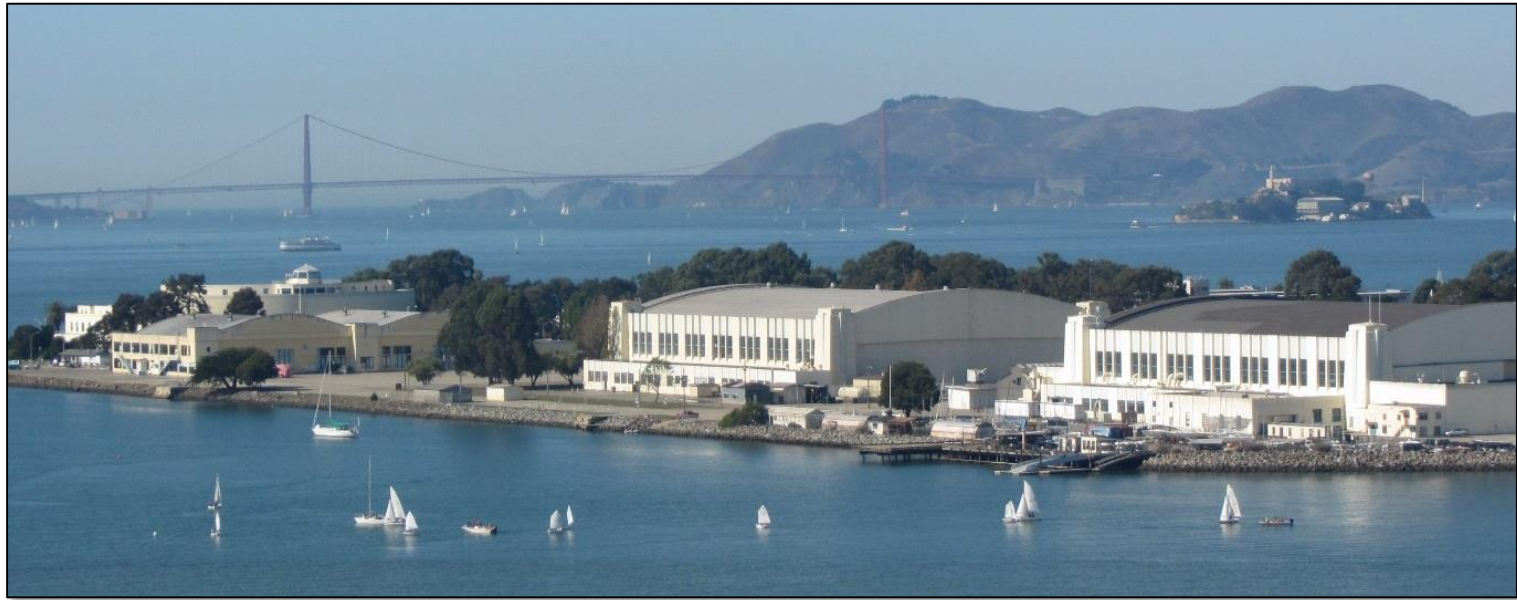


- Purpose
- Objectives
- Process
- What is Protectiveness?
- Site Specific Overviews
- Schedule
- Questions

Purpose of a Five Year Review



The purpose of a Five-Year Review is to evaluate the implementation and performance of the remedy in order to determine if the remedy is, or will be, protective of human health and the environment.



Purpose of a Five Year Review

A Five-Year Review is required for remedial actions where hazardous substances, pollutants, or contaminants remain at sites at levels that do not allow for unlimited use and unrestricted exposure

- Required every five years to assure that human health and the environment are protected by the remedial action



Five-Year Review Objectives

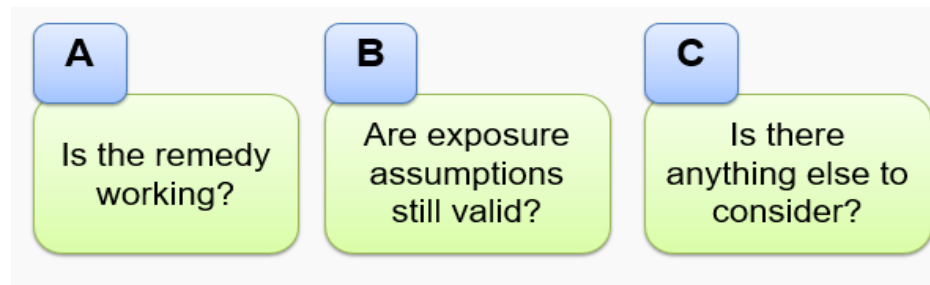


- Determine if the remedy is functioning as intended
- Document post-Record of Decision (ROD) optimization efforts and cleanup progress
- Identify issues that affect current or future protectiveness and recommendations to address these issues
- Document findings in Protectiveness Statements for each site

Five-Year Review Process

- **Document Review:** Decision documents, monitoring reports, technical memos
- **Technical Assessment:** inspect sites, analyze new data, compare goals to current criteria

Technical Assessment Questions



- **Community Involvement:** notices, phone interviews, public comment period on report, fact sheet
- **Reporting:** Assess whether remedies are protective; and, if necessary, note issues, recommendations, and follow-up actions
- **Regulatory Involvement:** Agencies oversee, review, and concur on technical assessment and protectiveness statements

Community Involvement



- **Public Notices** before, during, and after
- **Phone interviews** with community members are underway
- Reports (Draft and Final) placed in **information repository for public review** at the San Francisco Main Library and online (<https://www.bracpmo.navy.mil/>)
- **Fact Sheet** summarizing protectiveness statements and the path forward for each site (BRAC website and mailer)



Possible Five-Year Review Outcomes



Protective

Protective in the Short Term

Will Be Protective

Protectiveness Deferred

Not Protective

2019 Five-Year Review Sites

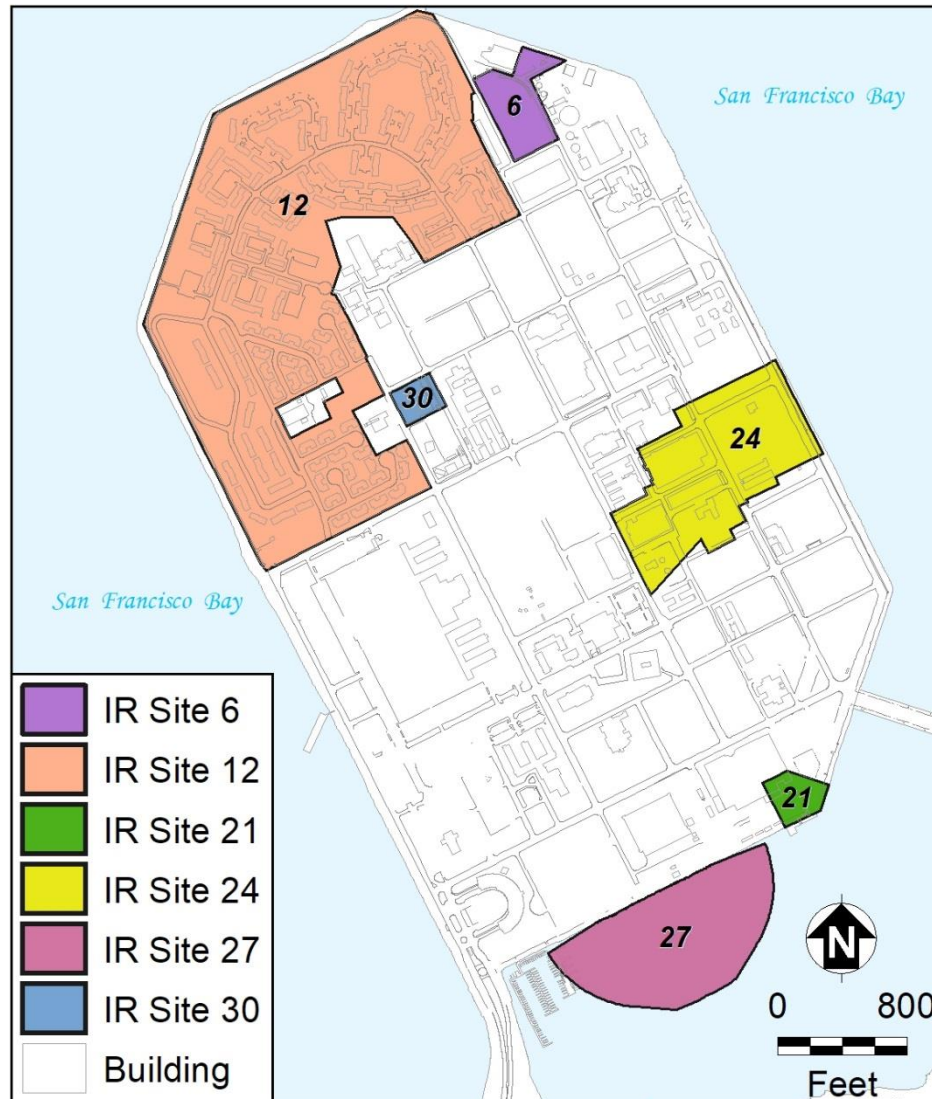


Data evaluation covers time period from
January 2014 to December 2018

Site	Name	Review Status	Notes
6	Fire Fighting Training School	1 st review	ROD signed December 2014
12	Housing Area*	1 st review	ROD signed March 2017
24	Former Dry Cleaning Facility	1 st review	ROD signed December 2015
21	Vessel Waste Oil Recovery Area	2 nd review	Determined Protective in 2014
27	Clipper Cove Skeet Range	2 nd review	Determined Protective in 2014
30	Daycare Center	2 nd review	Determined Protective in 2014

*Cleanup for non-radiological, non-solid waste disposal area locations of Site 12

Second Five-Year Review Sites



Site 6 – Fire Fighting Training School



The former Navy firefighting training school was used for nearly 50 years (1944 to 1992) for firefighting training activities.



Site 6 – Fire Fighting Training School (Continued)



- Goal is to cleanup to allow for open space use.
No housing planned.
- Environmental cleanup of: metals, petroleum hydrocarbons, solvents, and dioxins in soil, groundwater, and soil gas
- The implemented remedies are:
 - Soil excavation and off-site disposal
 - Land Use Controls due to residual contamination in soil, groundwater, and soil gas
 - Soil gas and groundwater monitoring

Site 12 – Housing Area



Site 12 – Housing Area (Continued)



- Goal is to cleanup the site to support residential and open space use
- Environmental cleanup of (ROD #1): lead, PCBs, dioxins and PAHs in soil
- The selected remedies are:
 - Soil excavation
 - Groundwater monitoring

Site 12 – Housing Area (Continued)



- Along with the digging advisory, there are other protective measures in place:
 - Fencing
 - Air/dust monitoring
 - Signs
 - Community outreach
 - Working hours
 - Traffic control
 - Truck identification
 - Regulatory oversight



Site 21 – Vessel Waste Oil Recovery Area



Site 21 covers approximately two acres and contamination of groundwater is from use of tetrachloroethene and trichloroethene during former parts cleaning operations.



Site 21 – Vessel Waste Oil Recovery Area (Continued)



- Goal is to allow for continued current use of property – commercial
- Environmental cleanup of: chlorinated solvents in groundwater
- The implemented remedies include:
 - Land Use Controls
 - Groundwater and soil gas monitoring
- Soil gas monitoring conducted in 2018 and evaluated for 2nd Five-Year Review

Site 24 – Former Dry Cleaning Facility



Site 24 is approximately 20 acres in the east-central portion of TI containing Building 99, which was used as both a laundry facility and, intermittently, as a dry cleaning facility from 1942 to 1977.



Site 24 – Former Dry Cleaning Facility (Continued)



- Goal is to support future open space/recreational use
- Environmental cleanup of: chlorinated solvents in groundwater
- The implemented remedies include:
 - Excavation
 - Active remediation
 - Land Use Controls
 - Groundwater and soil gas monitoring

Site 27 – Clipper Cove Skeet Range



Clipper Cove was used as a naval skeet range from 1979 to 1989. Naval personnel fired lead shot over the water as clay skeet targets were launched from the shoreline. The location of the shooters and the angles of the skeet targets' trajectory resulted in a fan-shaped, shot fall-zone that defines the site.



Site 27 – Clipper Cove Skeet Range



- Goal is to support future marina use while protecting wildlife
- Environmental cleanup of: lead shot to minimize ingestion by ecological receptors
- The implemented remedy includes:
 - Removal of top layer of sediment and lead shot
 - Placement of armor rock to limit access to buried shot by receptors
 - Land Use Controls (restrictions on marine activities)
 - Bathymetric surveys every 5 years in support of Five-Year Reviews

Site 30 – Daycare Center



Building 502, Daycare Center, is located south of the Treasure Island Elementary School and east of the corner of Avenue D and 11th Street. The site was subject to investigation prior to leasing to the City of San Francisco.

Site 30 – Daycare Center(Continued)



- Goal was to comply with requirements of DTSC's School Property Evaluation and Cleanup Division to allow for safe use as a child care facility
- Environmental cleanup of: dioxins in soil
- The implemented remedy includes:
 - Excavation, removal, and disposal of contaminated soil surrounding Building 502
 - Land Use Controls to restrict soil disturbance beneath concrete slab of Building 502 foundation

Schedule



June 2019: Interviews are ongoing

August 2019: Draft Five-Year Review available for public review and comment (website, public notice, repository)

August/September 2019: 30-day Public Comment Period

December 2019: Final Five-Year Review in repository; posting of Public Notice and Fact Sheet presenting findings

For more information on the process: EPA maintains a website with information about Five-Year Reviews at Federal facilities:

<https://www.epa.gov/fedfac/five-year-review-federal-facility-cleanups>

Questions?



**Naval Station Treasure Island
Environmental Cleanup Program
Document Tracking Sheet
June – November 2019**

			DRAFT								RTC				FINAL			
Item	Document Title & Information	CTO/DO	Draft to Agencies	Agency Comments							Preliminary RTCs to Agencies	Resolve and Concur on RTCs	Final to Agencies	Comments				
				Date Due	DTSC	WATER BOARD	TIDA/TICD	RAB	OTHER									
Radiological Reports																		
1	Site 12 Free Release Tech Memo	0014	09/20/18	✓	12/05/18		X	✓			TBD		TBD		TBD	Comments Expected June 28, 2019		
	RPM: Chris Yantos																	
	CTR: APTIM																	
2	Site 12 NTCRA Phase III FSS Report	0004	12/10/18	✓	05/01/19	✓	X	✓			06/27/19		07/11/19	07/18/19				
	RPM: Chris Yantos																	
	CTR: APTIM																	
3	Thorium Background Evaluation	I	06/27/19		07/28/19						08/06/19		08/20/19		08/29/19			
	RPM: Louie Cardinale																	
	CTR: NOREAS																	
Site 12																		
4	NTCRA Phase III PCSR	0004	01/30/19	✓	05/01/19	✓	✓	✓			07/18/19		08/02/19	08/09/19				
	RPM: Chris Yantos																	
	CTR: APTIM																	
5	TCRA PCSR	0006	08/20/18	✓	12/05/18	✓	✓	✓			06/20/19		07/21/19	08/20/19				
	RPM: Chris Yantos																	
	CTR: CE2 Kleinfelder																	
6	FS Addendum (SWDA, Radiological)	I	07/25/19		09/23/19						10/31/19		11/28/19	12/26/19				
	RPM: Louie Cardinale																	
	CTR: NOREAS																	
7	NTCRA Phase IV WP	I	07/19/19		08/21/19						09/28/19		10/26/19	11/23/19				
	RPM: Chris Yantos																	
	CTR: Gilbane																	
Site 24																		
8	LUC RD	I	03/15/19	✓	04/15/19	✓	✓	✓			05/31/19	✓	06/21/19	06/28/19				
	RPM: Dennis Parker																	
	CTR: Parsons																	
Site YF3																		
9	Corrective Alternatives Evaluation	0103	07/19/19		08/19/19						09/19/19		10/03/19	10/10/19		Under internal Navy review		
	RPM: Dennis Parker																	
	CTR: Battelle																	
Other Reports																		
10	Finding of Suitability to Transfer (FOST) 8	I	05/29/19	✓	06/28/19						07/05/19		07/12/19	07/19/19				
	RPM: Dave Clark																	
11	2019 Five-Year Review	I	07/19/19		08/16/19						09/15/19		10/15/19	11/15/19				
	RPM: Dave Clark																	
	CTR: Adanta																	
12	UST 240 Closure Report	0058	--		--						--		--	08/07/18	✓	Awaiting Closure Letter		
	RPM: Mukesh Mehta																	
	CTR: TriEco-Ti																	
13	2018 Basewide GW Monitoring Report	0000	07/08/19		08/05/19						08/12/19		08/19/19	08/26/19				
	RPM: Dennis Parker																	
	CTR: NOREAS																	
14	2019 Site Management Plan	0000	08/09/19		09/06/19						09/20/19		10/04/19	10/18/19				
	RPM: Dave Clark																	
	CTR: Adanta																	

Naval Station Treasure Island Environmental Cleanup Program Document Tracking Sheet June – November 2019

- ✓ 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:

CDPH = California Department of Public Health
 CTO/DO = Contract task order/delivery order
 CTR = Contractor
 DTSC = Department of Toxic Substances Control
 FS = Feasibility study
 FSS = Final status survey
 GW = Groundwater
 LUC = Land use control
 NA = Not applicable
 NTCRA = Non-time critical removal action
 PCSR = Post-construction summary report
 RACR = Remedial action completion report
 RAWP = Remedial action work plan

RD = Remedial design
 ROD/RAP = Record of decision/remedial action plan
 RPM = Remedial project manager
 RURR = Radiological Unrestricted Release Recommendation
 RTC = Response to comments
 SWDA = Solid waste disposal area
 TBD = To be determined
 TCRA = Time-critical removal action
 TICD = Treasure Island Community Developers
 TIDA = Treasure Island Development Authority
 Water Board = Regional Water Quality Control Board
 WP = Work plan

**Naval Station Treasure Island
Navy Field Schedule
June – November 2019**

Item	Activity and Investigation Area	Field Dates	Navy RPM	Complete
Site 12				
1	Remedial Action (Non-RAD, Non-SWDA)	Start: 09/17/18 Finish: 09/06/19	Leo Larson	
Basewide Groundwater and Soil Gas Sampling				
	Basewide Sampling - Performance Monitoring (1st Quarter)	Start: 03/18/19 Finish: 04/05/19	Mukesh Mehta	✓
2	Basewide Sampling - Performance Monitoring (2nd Quarter)	Start: 06/24/19 Finish: 06/28/19	Dennis Parker	
3	Basewide Sampling - Performance Monitoring (3rd Quarter)	Start: 09/23/19 Finish: 09/27/19	Dennis Parker	

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.