



# FINAL

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

Meeting #149

17 AUGUST 2010

### **Community Restoration Advisory Board (RAB) Members in attendance:**

Nathan Brennan, John Gee, Alice Pilram, Dale Smith

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

James Sullivan (Navy)

Melinda Garvey (U.S. Environmental Protection Agency [EPA])

Ross Steenson (San Francisco Bay Regional Water Quality Control Board  
[Regional Water Board])

### **Other Navy and Regulatory Staff and Consultant Representatives in attendance:**

Scott Anderson (Navy)

Pete Bourgeois (Shaw Environment and Infrastructure [Shaw])

David Clark, (Navy)

Brian Holmgren (Shaw)

Tony Konzen (Navy)

Campbell Merrifield (Tetra Tech EM Inc. [Tetra Tech])

Yohji Ono (Tetra Tech)

Marcie Rash (Tetra Tech)

Tommie Jean Valmassy (Tetra Tech)

### **Public Guests**

Elizabeth Brierly, William Smith

### **Welcome Remarks and Introductions**

James Sullivan (Base Realignment and Closure [BRAC] Environmental Coordinator) opened the meeting, held at the Library, 265 Avenue B (Building 265) on Treasure Island (TI). Mr. Sullivan noted the standard meeting location, the Casa de la Vista, was unavailable so for this month only the RAB is meeting in Building 265 [a former library]. Mr. Sullivan said meeting handouts were available on the back table, including copies of the agenda (Attachment A.)

### **Public Comment and Announcements**

Mr. Sullivan noted two public comment periods are included in the RAB agenda, one at the start of the meeting and one near the end, to provide members of the public an opportunity to comment on the Navy's environmental program at Former Naval Station Treasure Island (NAVSTA TI). Attendees are also encouraged to ask questions or make comments at any time during the meeting. There were no comments or announcements.

TTEM-0055-FZN6-0282

### **Treasure Island/Yerba Buena Island Property Transfer Update**

Mr. Sullivan provided an update on the status of property transfer, including the Finding of Suitability for Transfer (FOST). He noted there is a presentation (Attachment B), but no handouts since the presentation was only recently drafted, with photos taken only hours before this meeting. Mr. Sullivan said there was an endorsement ceremony for the agreement of transfer terms between the Navy and the City of San Francisco. Secretary of the Navy Ray Mabus was present, along with Speaker of the House Nancy Pelosi and Mayor of San Francisco Gavin Newsom. All three dignitaries spoke at the event, held in front of Building 1 on TI, and signed the endorsement agreement. Mr. Sullivan reviewed photos of the event (Attachment B).

Mr. Sullivan stated the actual transfer document is still being prepared. In addition, the City needs to complete its California Environmental Quality Act (CEQA) process before the property can transfer. In the meantime, the Navy's task is to move ahead with the environmental program to close sites and prepare the FOST document.

Mr. Sullivan reminded attendees that the Navy had prepared two FOSTs in 2006: one for TI, and one for YBI. Furthermore, the Navy is preparing a third FOST document, referred to as the 2010 FOST, to cover additional property. Mr. Sullivan said those three documents will constitute the package that will be the first phase of property transfer from the Navy to the City. Mr. Sullivan said the Navy will continue to provide updates about property transfer at future RAB meetings. There were no questions or comments.

### **Site 12 Removal Action and Access Update**

Mr. Sullivan introduced Pete Bourgeois (Shaw) to provide an update on the Solid Waste Disposal Areas (SWDA) removal action at Site 12, the TI Housing Area (Attachment C). Mr. Bourgeois stated Shaw is currently excavating to a depth of 5 feet along Westside Drive, and is almost done with that effort. To date, Shaw has removed 699 bins (about 16,000 tons) of low-level radiological material (RAD). Mr. Bourgeois showed photographs of the excavation, noting the team encountered groundwater at about the 4-foot depth. Shaw continued digging to 5 feet because they continued to observe debris. Mr. Bourgeois said the team continues to scan every bucket of material that is excavated for radiological material. If the material is too wet to scan, it is laid out on a pad in Lester Court to dry, and then scanned. He noted the team is still finding some RAD-containing items; examples include a gauge needle from a dial and a deck marker.

Mr. Bourgeois said Shaw is preparing work instructions and reports to continue the work at Westside Drive. The Navy is currently reviewing a final status survey master plan. The document will be the master plan for the final

radiological status surveys to be conducted in the SWDAs. There is also a work instruction for the hot spot adjacent to Building 1321.

Mr. Bourgeois stated Buildings 1123, 1319, and 1321 are scheduled for demolition [as part of the SWDA A/B removal action]. A work instruction for radiologically surveying the buildings is currently in Navy review. The buildings have to be scanned for radiological material contamination on the inside and outside before they can be demolished. Mr. Bourgeois said the team does not expect to find any radiological material contamination, but scanning is part of the process. Mr. Bourgeois stated Shaw is producing the documents for Navy approval so demolition can be scheduled and conducted.

Mr. Bourgeois gave an update on access to Perimeter Road, noting it has been an area of interest for local residents. He noted the access has remained the same for several months. The area near Building 461 and Site 6 remains fenced off to prevent public access and includes the stored bins of low-level radiological material. These areas and the area of Perimeter Road along Westside Drive will remain closed while the project continues. Mr. Bourgeois said a large portion of Perimeter Road is still open to the public.

Mr. Bourgeois asked if there were any questions. Dale Smith (RAB member) asked about the size of the deck marker Mr. Bourgeois had mentioned. Mr. Bourgeois said it is a little larger than a quarter. He added that historically these markers were used on ships, or even on the back of soldier's helmets. The markers glow, allowing people to see the person in front of them, or the deck, or whatever was marked. He noted one side of the item is encased in metal, and the other side contains the radium paint.

Mr. Sullivan clarified where this removal action project fits into the overall cleanup for Site 12. He said the work at North Point Drive and Bayside Drive has been completed. The work Mr. Bourgeois reviewed is SWDA A/B. When the work at SWDA A/B is complete, the Site 12 removal action will effectively also be complete. In the meantime, the Navy is still moving through the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process by preparing a draft remedial investigation (RI) report. From the RI, the site will move through the CERCLA process with the feasibility study and the proposed plan, evaluating whether any further remediation is required at Site 12.

#### **Site 12 Human Health Risk Assessment Technical Memorandum**

Mr. Sullivan introduced Tony Konzen (Navy) as the project manager for the human health risk assessment (HHRA) technical memorandum. Mr. Konzen said the Navy is evaluating chemicals of concern, other than radiological materials, outside of the SWDAs and is calculating risk levels for those

chemicals. He introduced Campbell Merrifield (Tetra Tech) to give a presentation about preparation of the technical memorandum (Attachment D).

Ms. Merrifield said the technical memorandum will be issued soon, and noted that a presentation was given at the June RAB meeting covering the risk calculations being prepared for the technical memorandum. She said her presentation will focus on the purpose of the technical memorandum, the risk assessment results, and the path forward.

Ms. Merrifield said the technical memorandum was prepared to evaluate whether soils in the common areas of Site 12 are representative of soils in the back yards at Site 12 and whether additional action such as sampling is required in the back yards. She said the technical memorandum will summarize the history of the back yards, present the risk assessment results – which focus on the current residential occupancy – and provide recommendations regarding additional backyard sampling.

Ms. Merrifield said the Navy and regulatory agencies agreed that Site 12 is too large and too complex to consider all the data for soil from the site at once with one risk assessment as a whole. Instead, they began by looking at individual exposure units (EU), which are smaller areas where residents are most likely to be exposed. There are 19 EUs, all noted on the figure in the attachment. She added that there are also six areas of interest (AOI).

Ms. Merrifield said that the HHRA states that most of the 25 areas (19 EUs and six AOIs) are not of concern. However, chemicals present at eight EUs or AOIs exceed the action levels. All eight of them are within what is called the cancer risk management range; more than half of them are below the hazard index of 1. Ms. Merrifield pointed out the large number on the Halyburton Court column on the table of slide 5 of the presentation is related to polychlorinated biphenyls (PCBs) at the site. Those PCBs will be addressed by a removal action before the RI report is finalized.

Ms. Merrifield stated that the HHRA evaluation concluded there are 11 chemicals of concern in soil at Site 12. It was further determined that there is no evidence that soil within the residential back yards is different than the entirety of whichever EU where it is contained; therefore, the risk results for an entire EU are applicable to any residential back yard within the EU. The conclusion is that no additional backyard sampling is recommended for the EUs or AOIs.

Ms. Merrifield stated the technical memorandum will be issued sometime during the week of this RAB meeting. There will be a 30-day comment period [for the BCT and RAB] on the technical memorandum. She added this technical memorandum is a snapshot to help the Navy determine whether enough

information is available to understand whether additional sampling was necessary for the back yards. The Navy is preparing the subsequent RI report for issue as a draft document in late October 2010.

Ms. Smith asked if the levels for the chemicals of concern had been diluted because only a small area was sampled, and whether sample data were extrapolated to represent the levels for a whole EU. She asked if this approach would reduce the chemical load.

Mr. Sullivan stated the Base Realignment and Closure Cleanup Team (BCT) discussed this issue. Typically, all of the data from a particular site might be used to come up with an exposure concentration. However, Site 12 is large (90 acres), so chemical concentrations may be more diluted if they were spread out over the entire 90 acres. Therefore, the data collected within an EU are used to calculate risk only for that EU. He added that the technical memorandum will contain explanatory text and will also show the calculated risk for each EU or AOI.

Nathan Brennan (RAB member) asked if the AOIs are considered separately from each EU. Mr. Sullivan said that the statement is correct. The AOIs are areas where contaminants are elevated over a particular geographic area. Exposure concentrations are being calculated [separately] within the bounds of each particular AOI. Mr. Sullivan used the Building 1254 area as an example. He said the Navy had found elevated concentrations of PCBs in the building area several years ago and had completed a soil removal to address the concentrations. Because of those elevated PCB levels, the building was designated as a separate AOI and was not considered in the overall EU.

Mr. Brennan asked if the HHRA assumes someone is living at the site 24 hours a day. Ms. Merrifield said that statement is correct: it assume someone lives there 24 hours a day, 7 days a week, for 30 years.

Ms. Smith asked for further clarification on EUs, and used an example. Referring to the conference table in the room, she asked if it hypothetically had high levels of lead, whether these levels are measured in relation just to the table itself, or in relation to the whole building the table is in. If the lead concentrations in the area the size of the table are considered as one part of a larger EU, then the levels would be diluted. Ms. Merrifield stated that, in the example provided by Ms. Smith, if the table is an EU and the building is a site, then the HHRA looks at only the table, representing an EU in this example.

Ms. Smith repeated that a high level of contamination in a small area, such as the size of a table, is significant if only the area of the table is considered. If the whole building is considered, the contamination the size of a table seems

insignificant. However, the contamination might not be insignificant, and this method of calculating might mask a serious problem.

Scott Anderson (Navy) stated an RI report will also be prepared and will consider Site 12 as a whole. He added that report may make recommendations related to certain elevated levels or hot spots so they can be addressed instead of dealing with the EU as a whole because of one hot spot. Mr. Konzen added the purpose of the HHRA calculations in EUs is to assess what overall risks each particular EU poses. If there are anomalies or high-level detections, they can be addressed later with a potential remedy as the site progresses through the CERCLA process.

Ms. Smith stated she raised the issue because she had previously been concerned about the distance between locations on the Navy's sampling grid and was concerned something may be missed. Mr. Sullivan said that in 2003 the Navy looked at all of the data. An additional sampling grid, with sampling point locations approximately 40 to 50 feet apart, was used to collect additional samples. Mr. Sullivan said that sampling grid is fairly dense.

Mr. Brennan asked if the technical memorandum will show 19 EUs and six AOIs. Ms. Merrifield confirmed it will show 19 EUs and six AOIs. He asked if a separate analysis would be prepared for Building 1254, used as an example by Mr. Sullivan earlier. He also asked if resident's exposure would be calculated for the area where they live and include visiting another EU where they do not live. Ms. Merrifield said risk would not be calculated with the assumption of visiting another area.

Mr. Sullivan stated that there will not be another version of this technical memorandum. However, the Navy welcomes comments on the technical memorandum, and those comments will be incorporated into the [draft] RI report. He added that the technical memorandum will be issued soon, and it may be easier to discuss the document once RAB members have seen it.

#### **Field Activities Update, Sites 21, 24, 25, and Site 31 and the Site 12 Arsenic Study**

Mr. Sullivan invited Mr. Bourgeois to present the field activities update (Attachment E). Mr. Bourgeois said Site 21 is located near the Sailing Center. Shaw has completed the bioremediation work there and all of the quarterly groundwater sampling. Currently, Shaw is writing the final field activity report. He added that Site 21 will undergo another year of quarterly groundwater monitoring. He referred to the handout, noting the two figures showing the plume. He noted the figures show success with the bioremediation study at Site 21. Mr. Anderson, the Navy project manager for the site, added that the concentrations listed on the figure are of chlorinated solvents, or total volatile

organic compounds (VOC), and not concentrations of the individual breakdown products. He added that the concentrations of the individual breakdown products are below the remedial goals established for the project and has been the case over several years of monitoring. He said that the bioremediation is still active.

Ms. Smith asked about the depth of the plume at Site 21. Mr. Bourgeois said the sampling wells extend to a depth of 30 feet and they are generally detecting concentrations only in the more shallow zone, from 8 to 20 feet. Ms. Smith noted the plume was originally much deeper. Mr. Bourgeois said that statement is correct and the bioremediation has cleaned up the deep aquifer.

Mr. Bourgeois moved on to discuss Site 24, the other bioremediation area. He said one quarter of groundwater sampling remains on the current contract. He noted there is some rebound of contamination, referring to the small plumes on the figure. He stated Building 99 is the source area. The bioremediating "bugs" [microbes] are still active in this plume as well, and the site also has shown success with bioremediation. It was a large plume and now it is mostly gone. One more round of groundwater monitoring is to be conducted. However, it is likely that another year of groundwater monitoring will be conducted under a new contract. The bugs are still degrading the contamination, so detection levels were lower during the most recent round of monitoring than during the previous round.

Mr. Bourgeois moved on to Site 31, indicating on the map it is the former schoolyard and south storage yard across from the Daycare Center site. He said Shaw has completed excavation of the five known debris areas. As was mentioned at the June RAB meeting, the project is still on hold. The original scope and excavation are complete, but the size of the excavation needs to be increased because additional contamination was found and must be dealt with contractually. In addition, the Navy will add the work for Site 33 to the contract for Site 31. He noted Site 33 is the old waterline replacement area. It contains the same chemicals of concern as Site 31, and the same technical approach would be used. Mr. Bourgeois said the schedule for the work will depend on when the contract is awarded.

Mr. Bourgeois moved on to the update of Site 25, which is near the former Clipper Cove Skeet Range area. Shaw will be installing 25 to 30 soil gas monitors to collect samples at the site. The Navy is currently reviewing the sampling plans. Shaw should mobilize to the field within the next few months. The Navy expects the project to move quickly and to achieve closure of Site 25. Mr. Anderson said a remediation system was installed at Site 25 for groundwater and deep soil. The levels during monitoring were below cleanup goals after the remediation system was shut down. At the request of the Water Board and the

City of San Francisco, Shaw collected shallow soil samples to confirm there was no residual contamination. The results were below criteria. Shaw is collecting additional soil vapor samples near the old treatment system. The Navy hopes the results will be below criteria and the Navy and the Water Board can close Site 25.

Mr. Sullivan explained that Site 25 is a petroleum site. The process for a petroleum site is to complete a corrective action (synonymous with remedial action in CERCLA) and then request closure from the Water Board. Site 25 will be one of the last petroleum sites on NAVSTA TI to achieve closure.

Mr. Bourgeois moved on to an update on the Site 12 arsenic in groundwater project. He said the plan was to implement a pilot study in the area to address arsenic in groundwater. When monitoring wells were drilled for the study, diesel was discovered in one of the wells, but to date no source for the diesel had been found. There is no plume and no migration of the diesel thus far. Shaw conducted a geophysical survey and did not locate a tank or any other possible source.

The Navy must address the diesel prior to dealing with the arsenic in groundwater. Mr. Bourgeois said the Navy and Shaw have planned an 18 August meeting to discuss the path forward. Mr. Anderson said the Navy would present its proposed path forward at the September BCT meeting to obtain agreement from the group on the next steps forward.

### **Building 233 Demolition and Final Status Survey Workplan**

Mr. Bourgeois gave an update on the Building 233 field efforts (Attachment F). Mr. Sullivan noted the project is of high interest to the Treasure Island Development Authority (TIDA), because of its location on the southeastern corner of TI. The City would like this area to be part of the first phase of property transfer.

Mr. Bourgeois said Building 233 was the old radiological training school. There was a spill of radiological material there in 1950, and the Navy completed multiple cleanups. Shaw conducted a survey of the building several years ago and found fixed contamination. The Navy decided to demolish the building and deal with the footprint that remains. Since the building is old, there are lead and asbestos issues. Asbestos workers are systematically removing all of the mastic, friable asbestos, and fixed asbestos found. Thus far, 1,200 bags of material have been removed. Because asbestos is porous, it cannot be scanned for radiological materials and therefore, has to be handled and disposed of as low-level radiological mixed waste.

Once this removal is completed, Shaw will scan the rooms inside. The outside of the building was scanned and no radiological contamination was detected. The goal is to demolish the building by September 20 or 21. Shaw will draft a final status survey plan for the footprint of the building.

Mr. Bourgeois noted the Navy had to bring electric power to the building because it has no infrastructure. He reviewed various photographs of the building being made air tight, workers in Tyvek, and the sampling grid being set up for the exterior building radiological scanning.

Mr. Bourgeois said on 18 August, Shaw will wash the interior of the building and will start the scanning, which will take 4 to 5 weeks. Seven crews of radiological technicians will work on the building. The Navy is being aggressive with the schedule to complete the project as soon as possible because it is an important piece to the first phase of transfer.

Ms. Smith asked about the water used at the Building 233 site. Mr. Bourgeois said two 500-gallon tanks are at the site. The Navy collects the water from asbestos workers who shower when they exit the building. There is not a free flow of water with washing down the building; instead a wet mop is used to ensure there is no loose friable asbestos material.

Mr. Sullivan stated the actual demolition will take about 1 day. Mr. Bourgeois stated the team will create a video of the demolition and show it at a future RAB meeting. He added that removal of the demolished material will take about a week to 10 days.

Ms. Smith asked if any of the material can be salvaged or if it will all go to a landfill. Mr. Bourgeois said it will all go to a landfill. There are multiple layers of flooring, some previously installed to cover the spill. The layers of floor contain different materials, some of it with asbestos, that cannot be separated and must be ripped out and disposed of. Mr. Bourgeois added that the Navy tries to recycle whenever possible and has been able to recycle much of the asphalt and concrete at NAVSTA TI. Ms. Smith noted there were many window frames in Building 233. Mr. Bourgeois said the frames are all in bad shape. Mr. Sullivan added this building was from the World War II era and was not meant to be long lasting.

Mr. Sullivan stated there will be a final status survey work plan for the footprint of the building. He added the title is confusing because there will be a draft of the final status survey work plan that the RAB and BCT will review. The actual survey will be followed by a final status survey report that will be submitted to the California Department of Public Health (CDPH) to request radiological release of the site, which is the final step.

Ms. Smith asked what would be done with the building slab. Mr. Bourgeois said there is no slab; the building is on piers that are 2½ to 3 feet high. Mr. Sullivan said there will be subsurface work to remove asphalt around the building as well as the drain system. All of this information will be detailed in the work plan.

## **Upcoming Documents and Field Schedule**

### **Documents**

Mr. Sullivan invited Ms. Merrifield (Tetra Tech) to review the Document Tracking Sheet (DTS, Attachment G) and the Field Schedule Sheet (Attachment H). Ms. Merrifield reviewed the documents that will be issued or where comments will be due within the next 60 days; all of them are highlighted on the attachment. She noted between August 2010 and the upcoming October RAB meetings there will be eight documents that will become final, six issued as draft, and four with comments due. Mr. Sullivan noted that during the meeting the team had mentioned the draft Site 12 RI report would be issued around late October, though the DTS indicates November. He said the date depends on how much time the Navy needs to review the internal draft.

### **Field Schedule**

Ms. Merrifield said the field activities highlighted in yellow will begin or end in the next 60 days. The Site 25 soil gas sampling discussed earlier in the meeting is scheduled to begin around the time of the next RAB meeting.

## **RAB Meeting Minutes**

Mr. Sullivan asked if there were any comments on the June 2010 meeting minutes. The RAB members stated they had not yet had a chance to review the minutes. It was agreed any comments will be emailed to Mr. Sullivan and to Tommie Jean Valmassy (Tetra Tech) over the next 2 weeks and that minutes are approved pending incorporation of any e-mailed comments.

## **Co-Chair Announcements**

Alice Pilram (RAB Community Co-Chair) stated the Yacht Club will have an official change of watch of its sailing vessel 44 at Clipper Cove on Sunday. She also said the Dragon Boat races will be held on 25 September, also in Clipper Cove.

## **BRAC Cleanup Team Update**

Mr. Sullivan gave a brief update on the two BCT meetings held since the last RAB meeting, in July and August 2010. He introduced the newest member of the BCT, Melinda Garvey (U.S. EPA). He said Ms. Garvey is taking over for Christine Katin, who took on a different position within EPA.

### **Other Public Comments and Announcements**

Mr. Sullivan asked for any public comments or announcements. Mr. Brennan gave an update on the Citizen's Advisory Board (CAB), of which he is also a member. He stated the next meeting of the CAB will be tomorrow, 18 August 2010. The primary purpose of the meeting is to review the Environmental Impact Report (EIR) that the City has prepared. He noted the last CAB meeting discussed the issue of current residents and what will happen with them as redevelopment begins. Specifically, the CAB talked about the transition plan for residents, where they will temporarily move during redevelopment, and what costs the developer will or will not cover. The transition plan document has been submitted for a 60-day comment period.

Mr. Sullivan added that the City held a CEQA meeting on 12 August. He added that the City's website, under planning, has video of planning commission meetings.

Elizabeth Brierly (guest) asked if Site 31 was supposed to have had radiological screening, and did that happen? And if not, when might it happen? Mr. Bourgeois stated Shaw had periodically scanned hands, feet, equipment, and vehicle tires as a health and safety precaution that Shaw elected to take. There was nothing that would lead Shaw to believe that there is a radiological issue at Site 31; the Shaw health and safety team was just being cautious for the safety of the workers. He added that the work going forward under a new contract will include radiological soil screening at Site 31, primarily to answer questions raised by the California Department of Public Health (CDPH) and the Navy's Radiological Affairs Support Office (RASO). Mr. Anderson added that since there was some minor debris found at Site 31, and since radiological material was found in debris at Site 12, there was a request to conduct soil screening at Site 31.

Ms. Brierly asked if the Navy has agreed to conduct radiological screening at all other debris sites if radiological material was found at Site 12. Mr. Sullivan said that the statement is correct, and is discussed in the Historical Radiological Assessment (HRA) that was completed in 2006. He added the Navy will be conducting evaluations at Site 31 and Site 33.

Ms. Brierly asked for more clarification on the radiological material shipped off site. She noted that Mr. Bourgeois had presented that 699 bins of low-level radioactive material had been shipped from the island, and asked if there were two special shipments of high level radiological material. Mr. Bourgeois said there is a certain radiological level that the facility in Utah can accept. If levels exceed the facility's criterion, the soil must be shipped to a different facility. Some materials with higher levels have been shipped to an alternative facility. He noted that some of the items found are metal and have degraded into the soil

over time. The result is a pocket of soil with higher levels that cannot be shipped to the U.S. Ecology facility in Utah. Ms. Brierly asked what facility would accept the higher-level radiological waste. Mr. Bourgeois said it is transported to Utah as well, but to a different facility. He noted Shaw is not the shipper for the material; that task is under a separate contract. Mr. Sullivan stated the Department of Defense (DoD) has a single agent for disposal of low-level radiological waste which is the U.S. Army. Shaw is the Navy contractor that excavates the soil, and the Army has a contractor that handles disposal.

#### **Future Meeting Agenda Items**

Mr. Sullivan asked for future meeting agenda item requests. There were none, so he stated the Navy will continue to include whatever is topical. He stated a presentation on the Site 12 RI report will be given in either October or at the December RAB meeting.

Mr. Sullivan noted the next RAB community conference call is scheduled for 28 September. The next RAB meeting is 19 October, and will be at the usual venue, the Casa de la Vista. The next BCT meeting is on 1 September at Tetra Tech's Oakland office. The meeting was adjourned.

#### **August 2010 RAB Meeting Handouts**

- Attachment A: NAVSTA TI RAB Meeting No. 119 Agenda, 17 August 2010
- Attachment B: Property Transfer and FOST Update Presentation
- Attachment C: Field Efforts, Solid Waste Disposal Areas Presentation
- Attachment D: Site 12 Risk Evaluation for Soil and Backyard Evaluation Technical Memorandum Presentation
- Attachment E: Field Activities Sites 21, 24, 25, and 31 Presentation
- Attachment F: Building 233 Demolition and Final Status Survey Presentation
- Attachment G: Document Tracking Sheet, 17 August 2010
- Attachment H: Field Schedule, 17 August 2010

NAVAL STATION TREASURE ISLAND  
ENVIRONMENTAL RESTORATION ADVISORY BOARD MEETING

Tuesday, 17 August 2010

7:00 PM.

**The Library (Building 265, next door to the Casa de la Vista)  
265 Avenue B  
Treasure Island**

**MEETING NO. 149**

- 6:00 – 7:00 **Optional Site Tour** – meet at the Library (see directions on the Casa door)
- 7:00 - 7:05 **Welcome Remarks and Introductions**  
Lead: James Sullivan, Navy Co-Chair
- 7:05 - 7:10 **Public Comment and Announcements**  
Lead: James Sullivan, Navy Co-Chair
- 7:10 – 7:25 **Treasure Island/Yerba Buena Island Property Transfer Update and Draft Finding of Suitability to Transfer (FOST)**  
Lead: James Sullivan, Navy Co-Chair
- 7:25 - 7:40 **Site 12 (TI Housing) Removal Action and Access Update**  
Lead: Pete Bourgeois, Shaw E & I
- 7:40 – 7:55 **Site 12 Human Health Risk Assessment (HHRA) Technical Memo**  
Lead: Tony Konzen, Navy RPM and Campbell Merrifield, Tetra Tech
- 7 :55 - 8:05 **Field Activities Update (Sites 21, 24, 31, and Site 12 Arsenic Study)**  
Lead: Scott Anderson, Navy RPM and Pete Bourgeois, Shaw E & I
- 8:05 - 8:15 **Building 233 Demolition and Final Status Survey Workplan**  
Lead: Tony Konzen, Navy RPM and Pete Bourgeois, Shaw E & I
- 8:15 – 8:20 **Upcoming Documents and Field Schedule**  
Lead: Campbell Merrifield, Tetra Tech
- 8:20 – 8:25 **RAB Meeting Minutes**  
Lead: James Sullivan, Navy Co-Chair
- 8:25 – 8:30 **Co-Chair Announcements**  
Lead: Alice Pilram, Community Co-Chair
- 8:30 – 8:35 **BRAC Cleanup Team Update**  
Lead: James Sullivan, Navy Co-Chair
- 8:35 – 8:40 **Other Public Comment and Announcements**  
Lead: James Sullivan, Navy Co-Chair

8:40– 8:45     **Future Meeting Agenda Items**  
Lead: Navy and Community Co-Chairs

8:45            **Closing Remarks/End of Meeting**  
Break/Informal Discussion for 30 minutes after the meeting  
*This is an opportunity to informally discuss issues*

Next Regular Meetings:                    No September 2010 Meeting

7:00 pm Tuesday, 19 October 2010  
Casa de la Vista, Treasure Island

No November 2010 Meeting

7:00 pm Tuesday, 21 December 2010  
Casa de la Vista, Treasure Island

Next Treasure Island Citizen’s Advisory Board (CAB): See the web site for latest dates and times for future meetings: <http://www.sfgov.org/treasureisland>

Next Interim RAB Community Member Conference Call: **(Last Tuesday of pre-RAB month)**

**Tuesday**, 28 September 2010, 7:00 pm.  
Call-In Number:     1- 866-822-0121  
Participant Code:     1122026

(Note: This same number will be used for future conference calls)

Next BCT/RPM/Project Team Meeting: 10:00 am. **Wednesday** 1 September 2010, Tetra Tech EMI, **Oakland CA**

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

Navy San Diego Office Address:  
JAMES B. SULLIVAN  
DEPARTMENT OF THE NAVY  
BASE REALIGNMENT AND CLOSURE  
PROGRAM MANAGEMENT OFFICE WEST  
1455 FRAZEE ROAD, SUITE 900  
SAN DIEGO, CA 92108-4310



## 2010 Commemoration of the Navy/City Agreement



Presented to the  
NAVSTA TI RAB  
August 17, 2010



## Ceremony Details

Commemoration of the Agreement for the Transfer  
of Former Naval Station Treasure Island  
from the United States Navy  
to the City and County of San Francisco  
Today, August 17, 2010 from 2pm-3pm  
Building 1 parking lot  
Reception following in the Casa de la Vista

Speakers included:

- Mayor Gavin Newsom
- Secretary of the Navy Ray Mabus
- Speaker of the House Nancy Pelosi

2

## The Program



3

## Arrival of Speaker Pelosi, Secretary Mabus, and Mayor Newsom



4

 **Jack Sylvan** 



5

 **Mayor Newsom** 







 **The Agreement is Signed** 

11

 **The Navy BRAC Team (and Pete)** 



12



 **The Future of Treasure Island** 



 **The Reception** 





# Meeting Speaker Pelosi





17



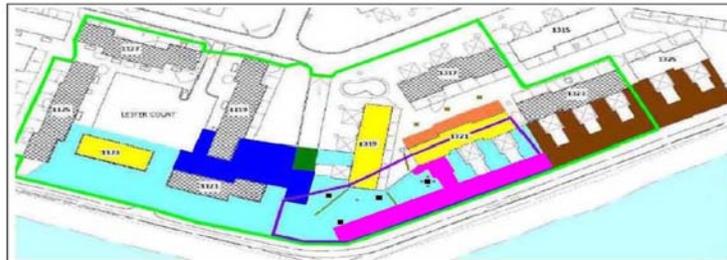
# Field Efforts Solid Waste Disposal Areas

August 17, 2010  
NAVSTA Treasure Island  
RAB Meeting

# Status at SWDA A&B



STATUS OF SWDA A&B EXCAVATION, JULY 29, 2010



LEGEND

- |   |                    |   |   |
|---|--------------------|---|---|
|  | 0 feet bgs surface |  | Building to be demolished                                   |
|  | 2 foot bgs surface |  | Pothole   |
|  | 3 foot bgs surface |  | Auger Boring, 8 ft bgs                                      |
|  | 4 foot bgs surface |  | Exploratory Trench, 6 ft bgs                                |
|  | 5 foot bgs surface |  | Project Security Fence                                      |
|  | Backfill complete  |  | Debris Extent, estimated<br>(heaviest debris concentration) |

## Work at SWDA A&B



- Since project start 699 Bins have been shipped off Site for disposal, this equals roughly 16,100 tons of soil.

## Work at SWDA A&B



Westside Drive Excavation

## Work at SWDA A&B



Excavating the 4 to 5 foot lift, still finding debris at 5ft bgs.

## Work at SWDA A&B



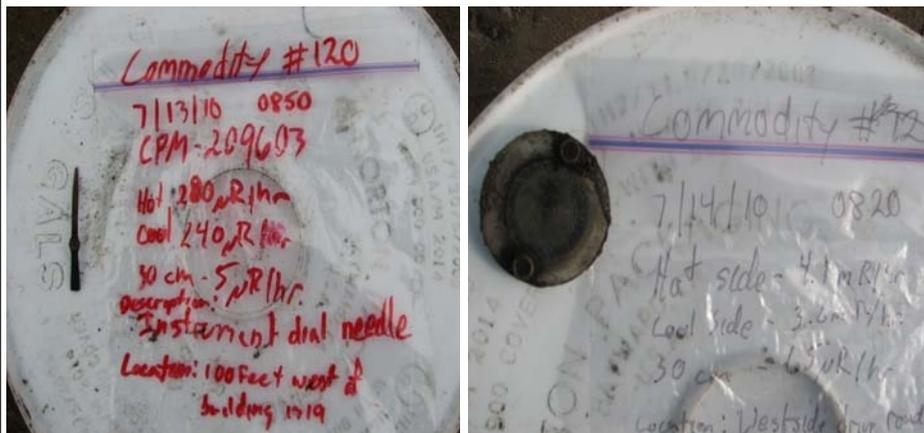
Excavating the 4 to 5 foot lift, scanning of the soil.

## Work at SWDA A&B



Lester Ct. Laydown pad, Soil Being Placed in Grids and Walk-Over Scanning of the Soil.

## Work at SWDA A&B



Items Found in the Last Couple of Weeks of Excavation.

# SWDA A&B Look Ahead



## Preliminary Final Status Survey Plan (Master Plan)

(will go to the Navy for review August 11, 2010)

## Final Status Survey Report for soil in the vicinity of Buildings 1123

(will go to the Navy for review August 23, 2010)

## Final Status Survey Report for soil in the vicinity of Buildings 1121

(will go to the Navy for review September 2010)

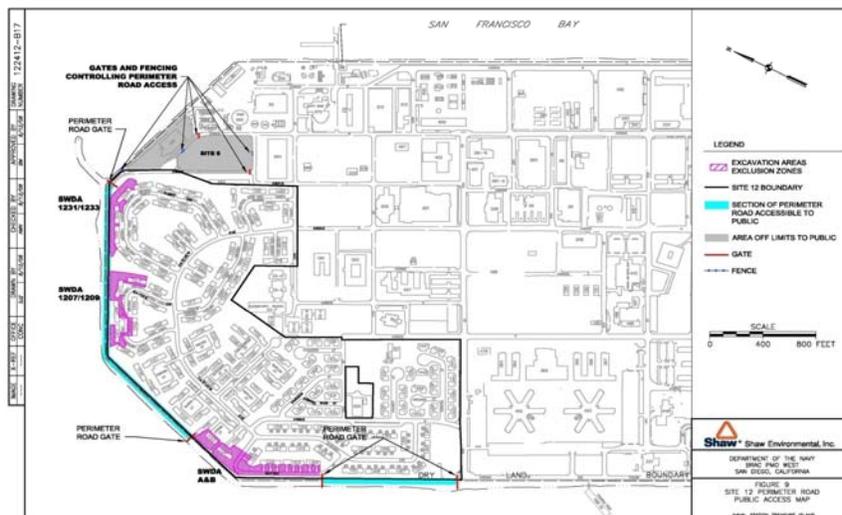
## Building 1321 Hot Spot Removal

(issued for final review to the Navy on July 29, 2010)

## Buildings 1123, 1319, and 1321 Work Instruction

(will go to the Navy for review August 2010)

# Perimeter Road Access





## Site 12 Risk Evaluation for Soil and Backyard Evaluation Technical Memorandum



Restoration Advisory Board Meeting  
August 17, 2010



## Overview



- Purpose of the Technical Memorandum
- Unique Site 12 Conditions
- Human Health Risk Assessment Results
- Path Forward



## Purpose of the Technical Memorandum



- Summarize site history relating to backyards
- Present the results of HHRA
  - Current residential scenario
    - Surface soil
    - Unpaved areas
- Provide recommendations regarding additional backyard sampling

3



## Unique Site Conditions



- Exposure Units (EU)
- Areas of Interest (AOI)
- Unoccupied Building
- Areas Not Covered in the Tech Memo
  - SWDAs
  - Groundwater





## Human Health Evaluation Results



EU/AOI	COC	Within Cancer Risk Range	Noncancer HI < 1	# > Action Levels
<b>14</b>	Dioxin	✓	✓	1
<b>16</b>	Dioxin	✓	✓	1
<b>17</b>	Dioxin, PAH	✓	✓	2
<b>1201/1203 /1220</b>	Dioxin, lead	✓		2
<b>1246</b>	Antimony	✓		1
<b>1254</b>	Ar-1260	✓	✓	1
<b>Halyburton /Bigelow Cts.</b>	Ar-1260	✓		22
<b>Mariner Drive</b>	Dioxin	✓	✓	1



## Human Health Evaluation Results



- Evaluation included:
  - 19 EUs and 6 AOIs
  - Distribution of COCs in soil
  - Comparison of COC concentrations with NAVATA TI action levels
- Eleven COCs identified:
  - Metals: arsenic, lead, Antimony
  - PAHs: dibenz(a,h)anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene
  - PCBs: Aroclor-1254, Aroclor-1260,
  - Dioxin: 2,3,7,8-TCDD TEQ
- No evidence that soil within the residential back yards was placed in a different manner than the entirety of the EU
- Results for entire EU are applicable to any residential back yards within the EU
- *No additional backyard sampling is recommended for the EUs and AOIs*



## Path Forward



- Final Technical Memorandum delivered this week
- Review comments due within 30 days
- Continue with preparation of the Site 12 RI Report
  - Components of HHRA will look at soil, groundwater and soil gas
  - Draft RI Report due out for review in late October

7



## Site 12 Risk Evaluation for Soil and Backyard Evaluation Technical Memorandum



Questions??

8



# Naval Station Treasure Island

## Field Activities

Site 21, 24, 25, and 31

August 17, 2010 RAB Meeting

## Site 21 and 24

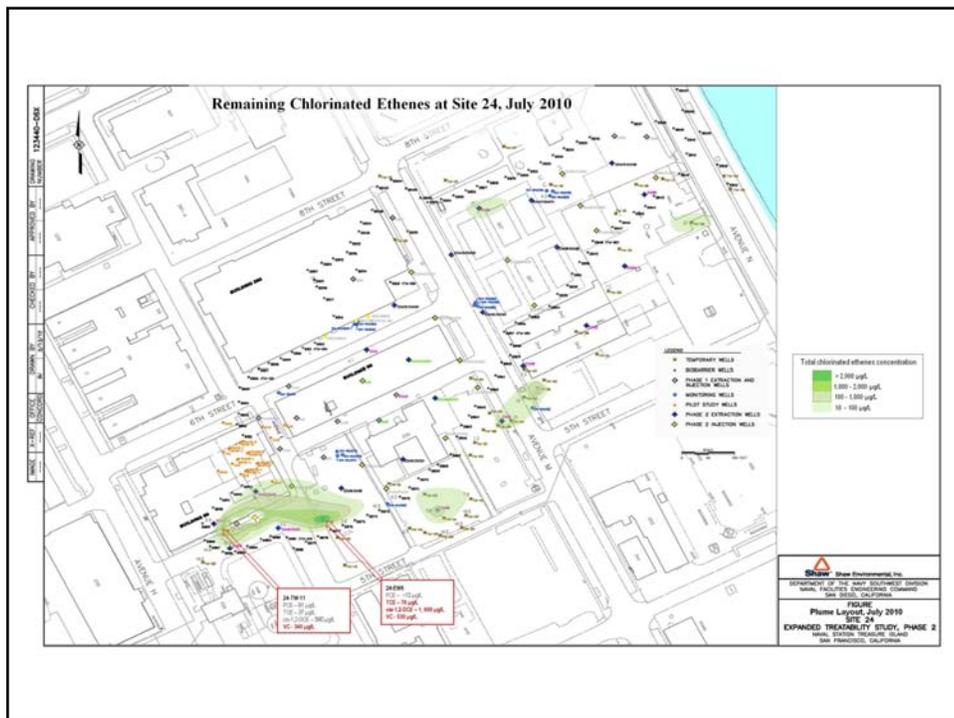
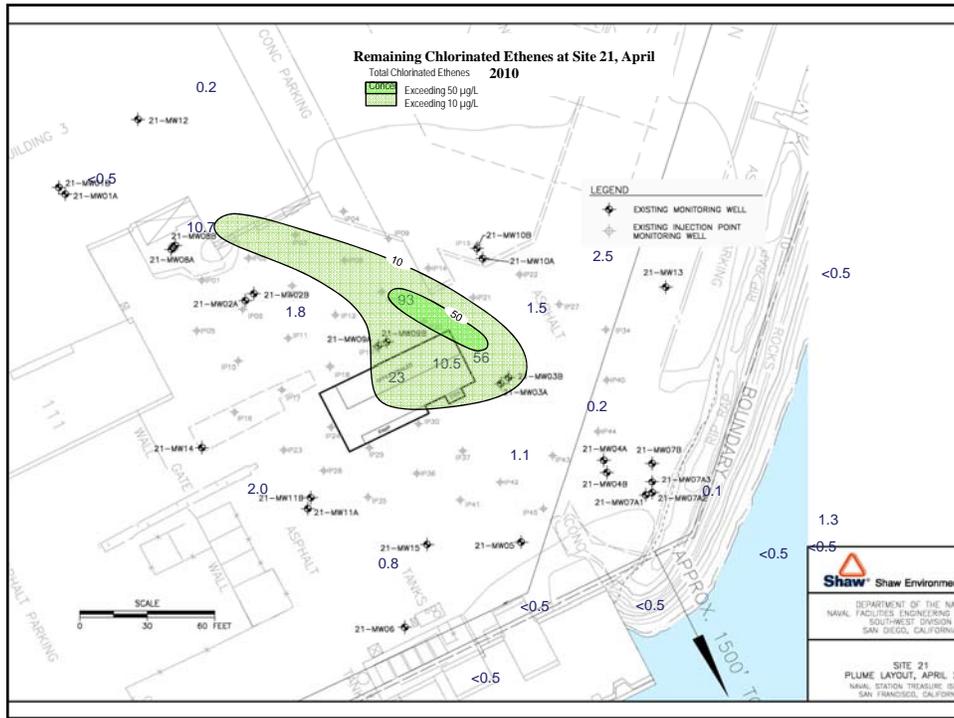


### Site 21:

- Further sampling will be conducted under a new contract for one year of quarterly sampling.

### Site 24:

- Next Quarterly Sampling will be started in October 2010.
- Further sampling will be conducted under a new contract for one year of quarterly sampling.



## Site 31 Steps Forward



- 1. Current scoped excavation limits have been completed for all 5 debris areas.**
- 2. Navy will award new contract to complete Site 31 excavation as well as add Site 33 excavation areas.**
- 3. Mobilization to start Site 33 work will happen around the September 2010 timeframe.**

## Site 25 Steps Forward



- 1. Shaw has submitted a Sampling and Analysis Plan to the Navy for review.**
- 2. Once the Plans have been distributed Final Shaw will mobilize in the field and complete 20 to 30 soil gas sampling location.**

## Site 12 Arsenic



- 1. Data from Sampling Wells on the 14th & 15<sup>th</sup> of June will be reviewed by Navy and Shaw, and will then be forwarded to the BCT.**
- 2. Navy and Shaw will determine the next steps forward from this data and present the final approach to the BCT.**

## Field Efforts Building 233



August 17, 2010  
NAVSTA Treasure Island  
RAB Meeting

## Building 233



**Asbestos Work began July 26, 2010**

**Radiological Scanning of Building will begin Mid to Late August**

**Building demolition will begin Mid-September**

**Final Status Survey Plan for Building 233 Footprint**

**(will go to Navy for review in August 2010)**

- **After completion of Building Demolition**

## Work for Building 233



Bringing Power to Building 233



Setting up for Asbestos work Within Bldg. 233

## Work for Building 233



Setting up for Asbestos work Within Bldg. 233

## Work for Building 233



Venting for Blowers and Low-Volume Radiological Air samplers for Bldg. 233

## Work for Building 233



Setting up for Asbestos work Within Bldg. 233

## Work for Building 233



Condition of Building 233 Interior

## Work for Building 233



Setting up Radiological Scanning Grid on Exterior of Building 233

## Work for Building 233



Scanning and Removal of Ducting for Low-Level RAD Disposal at Building 233

## Work for Building 233



Scanning of Asbestos Bags for Dose Rates Prior to Placement in Bins for Low-Level RAD Disposal. Interior Removal of Flooring Within Building 233.

## Work for Building 233



Removal of Flooring Within Building 233 Interior

**Naval Station Treasure Island  
Environmental Cleanup Program  
Document Tracking Sheet  
August 2010 - February 2011**

Item	Document Title & Information	CTO/DO	INTERNAL DRAFT		DRAFT							RTC		INTERNAL FINAL		FINAL	Comments								
			Internal Draft Due to Navy	Navy Comments Due	Draft to Agencies	Agency Comments					Preliminary RTCs to Agencies	Resolve and Concur on RTCs	Internal Final to Navy	Navy Comments Due	Final to Agencies										
						Date Due	DTSC	Water Board	EPA	TIDA						RAB		OTHER	Priority Level						
<b>Shaw Group</b>																									
1	Site 32 Post Construction Summary Report for PCBs in Soil	FZN1	05/11/10	✓	TBD	TBD	TBD							TBD	TBD	TBD	TBD	TBD	TBD for Site 32 Revised risk assessment Tech Memo schedule.						
	RPM: Scott Anderson																								
	PM: Pete Bourgeois																								
2	Battery Site Technical Memorandum	FZN1	08/23/10		08/30/10	TBD	TBD							TBD	TBD	TBD	TBD	TBD	Preliminary schedule, looking to expedite.						
	RPM: Scott Anderson																								
	PM: Pete Bourgeois																								
3	Building 233 Demolition Work Plan	FZN1	02/04/10	✓	04/09/10	✓	NA	NA						NA	NA	05/28/10	✓	06/11/10	07/26/10	✓					
	RPM: Anthony Konzen																								
	PM: Pete Bourgeois																								
4	Building 233 Final Status Survey Work Plan	FZN1	08/19/10		09/08/10	09/15/10	10/14/10							10/30/10	NA				10/29/10						
	RPM: Anthony Konzen																								
	PM: Pete Bourgeois																								
5	Site 21 Treatability Study Report	FZN1	08/31/10		09/14/10	09/21/10	10/21/10							11/18/10	TBD	12/22/10	01/05/11	01/19/11							
	RPM: Scott Anderson																								
	PM: Pete Bourgeois																								
6	Site 24 Treatability Study Report	FZN1	02/04/11		02/18/11	02/25/11	03/27/11							04/24/11	TBD	05/28/11	06/11/11	06/25/11							
	RPM: Scott Anderson																								
	PM: Pete Bourgeois																								
7	Sites 21, 24, and 32 Groundwater Monitoring SAP	FZN1	08/23/10		09/06/10	09/13/10	TBD							TBD	TBD	TBD	TBD	TBD							
	RPM: Scott Anderson																								
	PM: Pete Bourgeois																								
8	Site 25 Soil Gas Sampling SAP	FZN1	08/05/10	✓	08/17/10	✓	08/24/10	09/07/10						TBD	TBD	09/28/10	10/05/10	10/12/10							
	RPM: Scott Anderson																								
	PM: Neil Hey																								
<b>Tetra Tech EM Inc.</b>																									
9	Site 27 Feasibility Study	FZN6	09/24/08	✓	11/07/08	✓	12/29/08	✓	02/27/09	✓	✓	✓	✓	✓	10/27/09	✓	03/03/10	03/31/10	✓	05/20/10	✓	08/13/10	✓	TIDA Comments rec'd 5/20/2010	
	RPM: Lora Battaglia																								
	PM: Katie Henry																								
10	2010 Site Management Plan	FZN6	03/09/10	✓	04/09/10	✓	04/19/10	✓	05/21/10	✓	✓	✓	✓	NA	NA	08/25/10	09/04/10	09/18/10							
	RPM: Dave Clark																								
	PM: Marcie Rash																								
11	Site 24 PP/RAP	83	12/30/10*		1/29/11*		04/10/11	05/10/11						06/07/11	06/21/11	07/10/11	07/05/11	07/19/11		* Navy technical review ** Navy legal review					
	RPM: Scott Anderson																								
	PM: Jean Michaels																								
12	Site 27 Boundary Change Letter	FZN6	04/19/10	✓	04/30/10	✓	05/12/10	✓	06/11/10	✓	X	✓	✓	TBD	TBD	06/30/10	✓	08/06/10	✓	08/20/10					
	RPM: Scott Anderson																								
	PM: Marcie Rash																								

**Naval Station Treasure Island  
Environmental Cleanup Program  
Document Tracking Sheet  
August 2010 - February 2011**

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			Internal Draft Due to Navy	Navy Comments Due	Draft to Agencies	Agency Comments					Preliminary RTCs to Agencies	Resolve and Concur on RTCs	Internal Final to Navy	Navy Comments Due	Final to Agencies										
						Date Due	DTSC	Water Board	EPA	TIDA						RAB		OTHER	Priority Level						
<b>Tetra Tech EM Inc. (continued)</b>																									
11	<b>Site 29 Boundary Change Letter</b>	FZN6	4/27/2010	✓	5/4/2010	✓	07/13/10	✓	07/30/10	✓	X	X	✓	✓		TBD	TBD	08/20/10	08/27/10	09/03/10	Comments received from Caltrans 8/6/2010				
	RPM: Scott Anderson		6/8/2010	✓	7/9/2010	✓																			
	PM: Marcie Rash																								
12	<b>Finding of Suitability to Transfer</b>	39	08/09/10	✓	08/23/10		09/13/10		10/13/10							11/10/10	11/24/10	12/01/10	12/11/10	12/25/10					
	RPM: Scott Anderson																								
	PM: Marcie Rash																								
13	<b>Island Times Newsletter #17</b>	FZN6	08/29/10		09/12/10		09/22/10		10/22/10							NA	NA	11/01/10	11/08/10	11/22/10					
	RPM: Jim Sullivan																								
	PM: Marcie Rash																								
<b>Trevet</b>																									
14	<b>Site 30 Land Use Control Work Plan</b>	9002	4/20/09*	✓	5/1/09	✓	03/03/10	✓	05/21/10	✓	✓	✓	✓	✓		08/06/10	✓	08/13/10	08/27/10	09/17/10	10/01/10	* Navy technical review ** Navy legal review Comments rcvd from Arcadis on behalf of			
	RPM: Scott Anderson		6/11/09**	✓	7/11/09	✓																			
	PM: Greg Alyanakian																								
15	<b>2009 Sites 6 &amp; 12 Annual Groundwater Sampling Report</b>	9002	04/05/10	✓	06/02/10	✓	06/28/10	✓	08/11/10	✓	✓	X	✓			NA	NA	09/13/10	09/27/10	10/11/10					
	RPM: Tony Konzen																								
	PM: Greg Alyanakian																								
<b>ERRG, Inc.</b>																									
16	<b>Site 6 Data Gaps Investigation Work Plan / Sampling and Analysis Plan</b>	2608	07/08/09	✓	08/10/09	✓	08/31/09	✓	09/30/09	✓	✓	✓	✓			11/25/09	✓	05/04/10	✓	07/22/10	✓	08/05/10	✓	08/18/10	9.30 Rec'd Water Board Comm 10.2 Rec'd TIDA Comm 10.2 Rec'd EPA Comm 10.6 Rec'd DTSC Comm
	RPM: Tony Konzen																								
	PM: Doug Bielskis																								
<b>Sullivan Consulting Group</b>																									
17	<b>Site 28 Record of Decision</b>		5/11/10*	✓	5/25/10	✓	07/21/10	✓	08/23/10							09/20/10		10/04/10		10/18/10		10/28/10		11/11/10	* Navy technical review ** Navy legal review
	RPM: Tony Konzen		6/18/10**	✓	7/2/10	✓																			
	PM: Mehrdad Javaherian																								
<b>Chadux Tetra Tech</b>																									
18	<b>Site 12 HHRA Tech Memo</b>	49	NA		NA		NA		NA							NA		NA		05/15/10	✓	06/22/10	✓	08/17/10	Comments on the final tech memo will be due within 30 days for incorporation into the RI Report.
	RPM: Tony Konzen																								
	PM: Yohji Ono																								
19	<b>Site 12 RI Report</b>	49	09/23/10		11/22/10		12/06/10		01/05/11							02/02/11		02/16/11		03/04/11		03/14/11		03/28/11	
	RPM: Tony Konzen																								
	PM: Yohji Ono																								
20	<b>Site 21 PP/RAP</b>	83	4/9/10*	✓	5/9/10	✓	10/28/10		11/27/10							12/25/10		01/08/11		01/24/11		02/07/11		02/21/11	* Navy technical review ** Navy legal review
	RPM: Scott Anderson		5/20/10**	✓	8/20/10	✓																			
	PM: Jean Michaels																								

**Naval Station Treasure Island  
Environmental Cleanup Program  
Document Tracking Sheet  
August 2010 - February 2011**

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						Date Due	DTSC	Water Board	EPA	TIDA	RAB							OTHER
<b>Chadux Tetra Tech (continued)</b>																		
21	Site 33 Explanation of Significant Difference	83	8/27/10* 9/20/10**	9/10/10 10/20/10	11/03/10	12/03/10							12/31/10	01/14/11	01/30/11	02/13/11	02/27/11	* Navy technical review ** Navy legal review
	RPM: Scott Anderson																	
	PM: Jean Michaels																	

Abbreviations:

✓ 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.

Caltrans = California Department of Transportation

CTO = Contract Task Order

DHS = Department of Health Services

DO = Delivery Order

DTSC = Department of Toxic Substances Control

EU = Exposure Unit

HERD = Human Ecological Risk Division

HSP = Health and Safety Plan

NA = Not Applicable

PCB = Polychlorinated Biphenyls

PP= Proposed Plan

PM = Project Manager

RAP = Remedial Action Plan

RPM = Remedial Project Manager

SAP = Sampling and Analysis Plan

TBD = To Be Determined

TIDA = Treasure Island Development Authority

Water Board = Regional Water Quality Control Board

**Naval Station Treasure Island  
Navy Field Schedule  
August 2010 - February 2011**

Item	Activity & Investigation Area	DTR #	Field Dates	Navy RPM	CTO/DO	PM	FTL	Complete
<b>Shaw</b>								
1	Site 24 Treatability Study Phase II <i>Site 24</i>	Doc N/A	Start: 07/21/08 Finish: TBD	Scott Anderson (619) 532-0938	FZN1	Pete Bourgeois (415) 277-6983	David Cacciatore (925) 288-2299	
2	Site 21 Pilot Treatability Study <i>Site 21</i>	Doc N/A	Start: 10/06/08 Finish: TBD	Scott Anderson (619) 532-0938	FZN1	Pete Bourgeois (415) 277-6983	Dan Leigh (925) 288-2193	
3	Non-Time Critical Removal Action <i>Site 12</i>	Doc N/A	Start: 02/26/07 Finish: TBD	Tony Konzen (619) 532-0924	10	Pete Bourgeois (415) 277-6983	Pete Bourgeois (415) 277-6983	
4	Arsenic in Groundwater Pilot Study <i>Site 12</i>	Doc N/A	Start: 11/10/08 Finish: TBD	Scott Anderson (619) 532-0938	FZN1	Pete Bourgeois (415) 277-6983	Pete Bourgeois (415) 277-6983	
5	Site 31 Remedial Action <i>Site 31</i>	Doc 2	Start: 02/01/10 Finish: TBD	Scott Anderson (619) 532-0911	FZN1	Pete Bourgeois (415) 277-6983	Pete Bourgeois (415) 277-6983	
6	Building 233 Screening and Demolition	Doc	Start: 07/23/10 Finish: TBD	Tony Konzen (619) 532-0924	FZN1	Pete Bourgeois (415) 277-6983	Pete Bourgeois (415) 277-6983	
7	Sites 21, 24 & 32 Groundwater Sampling <i>Sites 21, 24 &amp; 32</i>	Doc N/A	Start: 09/24/10 Finish: TBD	Scott Anderson (619) 532-0938	FZN1	Pete Bourgeois (415) 277-6983	Pete Bourgeois (415) 277-6983	
8	Site 25 Soil Gas Sampling <i>Site 25</i>	Doc N/A	Start: 10/12/10 Finish: TBD	Tony Konzen (619) 532-0924	FZN1	Pete Bourgeois (415) 277-6983	Pete Bourgeois (415) 277-6983	
<b>Trevet</b>								
9	Sites 12 & 6 Groundwater Sampling <i>Site 12 &amp; 6</i>	Doc N/A	Start: 09/14/10 Finish: 09/14/10	Tony Konzen (619) 532-0924	CLIN	Greg Alyanakian (858) 869-3110	Greg Alyanakian (858) 869-3110	
<b>EMS</b>								
10	Site 12 Removal Action Soil Sampling <i>Site 12</i>	Doc N/A	Start: 12/05/07 Finish: TBD	Tony Konzen (619) 532-0924	NA	Dawn Roarty (916) 919-4785	Salem Attiga (925) 939-0687	
<b>ERRG</b>								
11	Site 6 Data Gaps Investigation <i>Site 6</i>	Doc 12	Start: 08/23/10 Finish: TBD	Tony Konzen (619) 532-0924	2608	Doug Bielskis (925) 839-2270	Phil Skorge (925) 839-2266	

CTO - Contract Task Order

DO - Delivery Order

DTR # - Denotes document tracking reference. The number listed corresponds to the associated documentation listed on the Document Tracking Sheet

FTL - Field team lead

N/A - not applicable, there is no associated documentation listed on the DTS.

PCB = Polychlorinated Biphenyls

RPM - Remedial Project Manager

TBD - To Be Determined

✓ Field work is complete.

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

Grey shading indicates field activities are complete.