



# FINAL

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

Meeting 148

15 June 2010

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

Nathan Brennan, John Gee, Alice Pilram, Dale Smith

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

James Sullivan (Navy), Christine Katin (US Environmental Protection Agency), 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), Kevin Hoch (Tetra Tech EM Inc. [Tetra Tech]), Tony Konzen (Navy), Pat Owens (Navy Radiological Affairs Support Office [RASO]), Matthew Slack (RASO), Tommie Jean Valmassy (Tetra Tech)

### **Public Guests**

Andrea McHenry (Resident), W. Smith (Resident)

### **Welcome Remarks and Introductions**

James Sullivan (Base Realignment and Closure [BRAC] Environmental Coordinator) opened the meeting, held at the Casa de la Vista (Building 271) on Treasure Island (TI). Mr. Sullivan noted the meeting handouts were available on the back table, including copies of the agenda (Attachment A.) He asked attendees who are not on the Navy's mailing or email list to sign-in so they can be added.

Mr. Sullivan noted there was a brief site tour in the hour before this Restoration Advisory Board (RAB) meeting and thanked people for attending. He added the Navy may also hold a tour prior to the August RAB meeting if there is interest.

### **Public Comment and Announcements**

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

TTEM-0055-FZN6-0260

### **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) (Attachment B). He noted this presentation is a minor update to the presentation given at the April 2010 RAB meeting, and will be a regular agenda item to keep the RAB updated on the status of transfer.

Mr. Sullivan reminded everyone that Secretary of the Navy Ray Mabus and Mayor of San Francisco Gavin Newsom reached an agreement on the general terms of an economic development conveyance (EDC) to transfer the remaining Navy-owned portions of TI and Yerba Buena Island (YBI) to the Treasure Island Development Authority (TIDA). TIDA is the government board, appointed by the mayor, which will undertake redevelopment of NAVSTA TI. Mr. Sullivan said the first conveyance is planned for late 2010 or early 2011. That schedule depends, in part, on the City of San Francisco's (City) schedule for the California Environmental Quality Act (CEQA) review. The schedule also depends on the Navy completing cleanup on some of the land that is to be transferred.

Mr. Sullivan noted there are two types of property transfer. The first type of transfer is when all [CERCLA] environmental cleanup is completed on a given parcel of land and a FOST document is prepared. The second type of transfer is early transfer, in which land is transferred prior to completion of [CERCLA] cleanup. He noted the first land conveyance of NAVSTA TI will not be an early transfer and will be based on a FOST.

Mr. Sullivan stated the Navy had prepared two FOSTs in 2006: one for TI and one for YBI. The land areas in those FOST documents are ready to transfer. Dale Smith (RAB member) asked if the City had decided not to accept the 2006 transfer. Mr. Sullivan explained the Navy has an environmental program and a real estate program. In the case with the 2006 FOSTs, the environmental program was ahead of the real estate program. Cleanup was complete, but the Navy and the City had not yet reached an agreement on terms for a property transfer. Now the property covered in the 2006 FOSTs will be transferred along with additional property that is suitable for transfer. The Navy is preparing a third FOST document to cover that additional property. Mr. Sullivan noted the draft FOST will be available to the regulatory agencies, the RAB, and the public for review and comment.

Referring to the map in the handout, Ms. Smith asked if the areas outlined in red are places where there are ongoing issues that will need land use controls or institutional controls. Mr. Sullivan stated in some areas that is the case. In the case of the Daycare Center, there is contamination underneath the building foundation. That foundation must be maintained, or, if that building is demolished, there will be controls in place so the soil beneath the foundation will

be properly managed. Mr. Sullivan added there are other areas on the map with residual petroleum contamination. The petroleum will continue to degrade if left undisturbed, or will have to be addressed in a soil management plan if the soil in that area is excavated. Mr. Sullivan stated all of the areas described, noted in red on the map, will be documented in the FOST. The new owner of the land, which will be the City, will be able to take those conditions into account in their future development.

Mr. Sullivan stated the Navy expects to issue the draft FOST for all of the additional properties in late July, and the RAB will be able to review and comment on the document. The Navy will review and address comments, and issue a final FOST in late November. Mr. Sullivan reviewed the status of property noting again there is property that has been FOSTed, property that is FOST-ready, and additional property that is FOST-anticipated pending some minor further action from the Navy this year. The areas that are FOST-anticipated are the offshore (excluding Site 27); the upland area of Site 27; Site 28; Site 29; Site 30; and a utility portion of the Building 233 parcel. Mr. Sullivan stated if property is not ready for the 2010 FOST then it will likely go in a subsequent FOST. He added that the Navy expects to issue several more FOSTs before all of the property on NAVSTA TI is transferred.

Mr. Sullivan noted that at the last RAB meeting there were questions about the progress of the City's CEQA process, and he had gotten some information from the City to update the RAB. He stated the City is working on their draft Environmental Impact Report (EIR), which they plan to issue in July. There will be a 45-day public review period, which will include a public hearing in August as part of a joint meeting between the San Francisco Planning Commission and TIDA. A response to comments will be published in the fall, and then another hearing for the certification of the EIR will be held. Final project approvals will be conducted sometime next spring, and that will complete the CEQA documentation for the City's project. Mr. Sullivan stated the City would be holding meetings this week and next to update residents on TI and YBI on the status of redevelopment.

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

Mr. Sullivan introduced Pete Bourgeois (Shaw) to provide an update on the Solid Waste Disposal Areas (SWDA) at Site 12, the TI Housing Area (Attachment C). Mr. Bourgeois stated he would give an update on the removal at SWDA A&B and Building 233. He showed a figure color-coded to indicate the depth of excavation at the Site 12 SWDAs. In most areas, 4 foot is the limit of the excavation depth. There are areas near Buildings 1321, 1319, and 1123 where Shaw will be excavating to a greater depth due to contamination that was found there. Ms. Smith asked Mr. Bourgeois to point out that area on the large poster map, and asked what the notation of T102 means on the map. Mr. Sullivan

stated the area Mr. Bourgeois was talking about is near the bend in the shoreline, which is near T102. T102 is an Environmental Baseline Survey parcel number.

Mr. Bourgeois stated Shaw will be doing more work in that area. Currently Shaw is preparing work instructions and plans that will be submitted to the Navy for approval before fieldwork continues. To-date, Shaw has removed 680 bins (15,000 tons) of low-level radiological (rad) contaminated soil.

In preparation for demolition of three of the buildings in the SWDA, Shaw is cleaning the buildings. Prior to starting work, Shaw discovered squatters had been in the buildings long before the project began. Trash and other debris had to be cleaned up before work could begin. There were also issues with black mold. Shaw coordinated with the Center for Disease Control (CDC) on the process to deal with the mold, and sprayed the affected areas with a bleach solution. Since it is a rad-controlled area, workers were scanned going into and coming out of the building to make sure there are no contamination issues.

Mr. Bourgeois showed photographs of the cleanup of Building 1319, including results from copper mining and the presence of black mold. The team laid out a grid on all of the walls and ceilings. They will conduct a rad screening of the entire interior. Mr. Bourgeois stated they had also changed the control point - the point of entry and exit to the site - at Westside Drive because Building 1319 was adjacent to the old control point, and that building will be demolished. For the new control point, plastic was laid down and clean soil was brought in and put down to create an even walking surface and entry for vehicles and equipment.

Mr. Bourgeois showed photographs of the excavation work that has been done at SWDA A&B. He stated the process is still the same: Shaw excavates a small amount, scans it, puts it in a front end loader bucket, scans it again, then it goes to Lester Court where it is either in a bin, or put on a lay-down pad if the excavated material is wet.

Shaw is putting together a final status survey report for the vicinities of 1121 and 1123. Mr. Bourgeois noted they had shown that area during the site tour just prior to this RAB meeting. He stated 1321 is where Shaw had found a hot spot with elevated levels of rad. Shaw is putting together a work instruction that will allow them to remove that material; that work instruction is going through a review process now. He noted the hot spot is near the wet area, and added it has a trench plate over it and is roped off as a high contamination area to prevent public access. Mr. Bourgeois stated Shaw is also working on work instructions for the demolition of Buildings 1123, 1319, and 1321.

Mr. Bourgeois gave an update on access to Perimeter Road, stating this has always been an area of interest for the community. There is a fence stopping access along Avenue M as well as along Avenue I, which is parallel to Site 6. Site 6 is across from the water treatment plant, which Mr. Bourgeois pointed out on a map. He also pointed out the boat ramp and stated the boat ramp is open to the public. However, there is a fence that prohibits access from the boat ramp into the Building 461 parking lot area, and that will remain closed until the work is completed. Perimeter Road is open most of the way around until it reaches Lester Court [see slide 12 of Attachment C]. Mr. Bourgeois stated about 95 percent of Perimeter Road is open to the public; the rest of it has controls because of environmental work that is ongoing.

In preparation for the work at Building 233, Shaw is using Building 40, across the street, to collect background values. Shaw will take readings along the floors and the walls of Building 40 to get a background value. Shaw has put dosimetry badges, or TDLs, along the fence at Building 233. Those will remain there until the work is done. The fence line is monitored to make sure there are no readings at levels that would impact the public. Shaw hopes to begin the asbestos abatement and rad screening in June. Once that is complete and the building has been demolished, Shaw will put together a final status survey plan for the footprint of the building.

Mr. Bourgeois noted Building 233 is on a pier foundation system. It does not have a slab-on-grade construction. The footprint underneath the building will be part of a status survey report that will also be issued for review after completion of the demolition.

Mr. Bourgeois noted there are a lot of plans currently being written in order to keep the field work moving forward for the Site 12 SWDAs and Building 233.

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

Mr. Sullivan stated that the Site 12 Human Health Risk Assessment (HHRA) Technical Memorandum (Tech Memo) had not yet been issued to the public, but is due out before the next RAB meeting. So the Navy is giving an introductory presentation at this meeting. (Attachment D) He introduced Tony Konzen (Navy) to begin the presentation. Mr. Konzen explained he is the project manager for the site. He introduced Kevin Hoch (Tetra Tech) who is the Tetra Tech project manager.

Mr. Hoch stated he would give a preview of what the RAB can expect to see when they receive the HHRA Tech Memo, including the unique conditions at Site 12, the purpose of the Tech Memo, how the risk assessment was done, the chemicals of concern (COC) that were detected, the action levels, and the overall path forward.

Mr. Hoch stated the Navy and regulatory agencies agreed that Site 12 is too large and too complex to consider all the soil data from the site at once and do one risk assessment on it as a whole. Instead, they began by looking at individual exposure units (EU), which are areas where residents are most likely to be exposed. There are 19 EUs, all noted on the figure in the attachment. Part of the logic in designating the EUs is that it is the area a child living in a particular unit would most likely travel. Mr. Hoch noted it is not a perfect scenario, but the assessment accounts for individuals who may cross from one EU into another.

Mr. Hoch stated Tetra Tech did a separate risk assessment for each of the EUs. In addition, they looked at other areas that are being called areas of interest, which are also indicated on the figure. The areas of interest are sometimes hot spots, or areas where a single or a few chemicals had higher concentrations in that particular area. Rather than diluting those results with the cleaner results from the rest of the EU, those were reviewed separately. So in the Tech Memo, in addition to risk calculations for each of the 19 EUs, there are also calculations for each of the areas of interest. He noted the Tech Memo does not include the SWDAs because many of them include ongoing excavations. In addition, groundwater is not considered in the tech memo, though it will be considered in the Remedial Investigation (RI) report.

Mr. Hoch stated that, during the initial investigations of Site 12, the Navy and their contractors were focusing on areas of known releases or known debris, or areas of suspected debris. However, the BCT suspected that approach may be missing some contaminated areas in Site 12. In 2003 the Navy and their contractors prepared an Engineering Evaluation/Cost Analysis (EE/CA) to address the areas in Site 12 that are outside the SWDAs, and perhaps removal of soil in backyards. The costs for those possible excavations were very high.

Instead, the Navy and their contractors excavated over 600 trenches across the site. Using that data, the team identified the areas of interest. However, none of the trenches were dug in backyards, to avoid inconveniencing residents. That posed a problem because it was difficult to determine what might be in backyards; the backyards were a possible data gap. So risks were calculated, then the team went back to look at the nature and extent of contamination to determine if the backyards were a data gap. Mr. Hoch noted the tech memo will have a series of figures for all chemicals of concern for each EU and area of interest. The figures will show the concentrations detected relative to the action levels at Site 12. Based on that analysis, it will be determined whether or not the team recommends sampling in various backyards.

Mr. Hoch stated the Tech Memo will have the summary of the risk assessment for the current receptors and recommendations for future work in backyards. Mr. Hoch stated the risk assessment was done based on a work plan from 2006.

When Tetra Tech begins preparing the RI report, they will look at the guidance, and see what has changed since then, in order to make recommendations on what should be done to comply with current guidance. Mr. Hoch noted the Tech Memo is very long, since there are 25 risk assessments, though the team did try to streamline it.

Through the risk assessment, the team identified 11 chemicals of concern (COC) for the site. They include metals (arsenic, lead, antimony) polycyclic aromatic hydrocarbons, polychlorinated biphenyls (PCB), and dioxins. In general the team rarely found more than two chemicals in a given EU that registered as a COC. Arsenic tended to be present everywhere at around ambient levels; the ambient level for arsenic is 10 parts per million (ppm) and it was present in the range of about 10 to 12 ppm. None of the other chemical concentrations were very high.

When doing an analysis to determine possible contaminants in backyards, Tetra Tech used the same Site 12 action levels that the Navy and Shaw are using in the SWDAs and elsewhere at Site 12. Those action levels were based on either the EPA regional screening level, background concentrations, or some previously agreed-upon removal action goal. Mr. Hoch reviewed which of these applied to which COCs.

Mr. Hoch noted that the RI report is currently being prepared. All of the information in the HHRA Tech Memo will be put into the RI report. So the Tech Memo will be submitted as a final document. Comments on the Tech Memo will be accepted and addressed in the RI. The Tech Memo is expected to be issued in June, comments on that will be incorporated into the RI, which will be issued draft in late October 2010.

Ms. Smith asked how this fits in with the previous background investigation where soil was excavated and concrete pavers were put in. She asked if this current work is different than what the Navy did several years ago. Mr. Sullivan stated the previous work Ms. Smith mentioned was an interim investigation, when the SWDAs were first identified. The Navy needed to define the boundaries of the SWDAs. So they went into selected backyards, in areas where there had possibly been identification of debris and associated chemical contaminants in soil. If sample results presented a potential risk then the Navy installed temporary concrete pavers in the backyard.

Mr. Sullivan stated the Tech Memo is going out for public comment. Another version of the Tech Memo will not be produced, but comments will be incorporated in the subsequent RI report. Mr. Sullivan stated that even though the Tech Memo may not be called draft, the Navy would still appreciate any RAB and community comments on the document.

**Field Activities Update, Site 12 Arsenic in Groundwater, and Sites 21 and 24 and Site 31 Remedial Action Update**

Mr. Sullivan stated the field activities update would be combined with the next agenda item, the Site 31 Remedial Action, all in one handout (Attachment E).

Mr. Sullivan invited Mr. Bourgeois to give the field activities update. Mr. Bourgeois stated Site 21 is near the Sailing Center area, close to the pier. Shaw has done several iterations of the Treatability Study injection system and has now completed four quarters of groundwater sampling. The steps forward for Site 21 will be another year of quarterly groundwater sampling, and Shaw is currently writing the plans for that sampling.

Mr. Bourgeois indicated Site 24 on the map, noting it is near Buildings 96 and 99, which were pointed out during the tour. Building 99 was the source of contamination, and there is a Treatability Study injection and extraction well set up at Building 96, adjacent to Building 99. Currently Shaw has one more quarter of sampling planned in the source area, and two more quarters planned in the downgradient plume area. Mr. Bourgeois stated the next round of quarterly sampling is scheduled for July. So far the data looks good. Levels are dropping and there has not been the rebound that was detected in the past. He stated the bugs [microbes] are still present, and the chlorinated compounds are still degrading.

Mr. Anderson stated that the handout also has figures that show the groundwater plumes for Sites 21 and 24. First he reviewed the groundwater plume at Site 21, noting that the extent has decreased. The entire site has been cleaned to below criteria; the treatability study goal was 100 parts per billion total VOCs or less, and current levels are 10 to 50 parts per billion. There are still some chlorinated solvents in the groundwater, but they are below the remedial goals for that site. Ms. Smith asked if this is a bioremediation site and Mr. Anderson stated it is. The bioremediation is still ongoing at the site, and it has been successful.

Mr. Anderson then reviewed the plume at Site 24, which was larger. The figure shows the bio-barrier wells located around the site, indicating the original extent of the plume. He stated a significant amount of the Site 24 plume has been cleaned up to criteria. The source area, which began at higher levels, is still above criteria but the bioremediation is still working in that area.

Andrea McHenry (resident) asked what the plume was of. Mr. Anderson stated it is chlorinated solvents. They are present because of historic dry cleaning activities at the site.

Mr. Bourgeois moved on to Site 32, indicating on the map it is located in the north east corner of the island, on the back side of the waste water treatment

facility. There is no work going on at the site currently. There was an excavation to remove PCBs and total petroleum hydrocarbons (TPH). There are two monitoring wells at Site 32, and the monitoring results will be included in the quarterly groundwater sampling report for Sites 21 and 24. Scott Anderson (Navy) added that the team is currently in the process of preparing the final field activity report.

Mr. Bourgeois moved on to Site 31, indicating on the map it is the old schoolyard and south storage yard, across from the Daycare Center site; this site was also visited on the tour prior to the RAB meeting. He showed some photographs of the work at the site. The City loaned Shaw a pole truck to help hold up a power pole. The wire holding up the pole had to be removed to accommodate the excavation because it goes very close to the pole.

Mr. Bourgeois stated that currently there is no work going on at Site 31, the project is on hold. The original scope and excavation is complete, but now the size of the excavation needs to be increased because additional contamination was found, so that has to be dealt with contractually. Mr. Bourgeois stated there is one hot spot of elevated dioxins close to the power pole, noted on the map in the handout as 68B. When the new contract is in place Shaw will address that hot spot. All other samples to-date have been below criteria for lead and/or dioxins. Ms. Smith asked if it is standard procedure to resample when such an outlier is found. Mr. Bourgeois stated that is standard, and the method here was to go out two feet and then ten feet to collect three more samples. Ms. Smith asked if all of those additional samples were hot. Mr. Bourgeois stated they were not, only one sample, 68B, was hot. The TI background level for dioxins is 12 nanograms and that sample was 15 nanograms.

Shaw has completed the original five footprint excavation areas in Site 31 and is awaiting a new contract for the rest of the excavation. Within that contract will be direction to excavate Site 33, which is the old waterline area not far from Site 24. The plan is for Shaw to be out in the field in the early fall. Mr. Bourgeois reviewed the photographs on slide 7 of the handout. A photographer took the photos from a man lift 100 feet above the site. He noted the photograph is not current because the soil stockpile shown is no longer there.

Mr. Bourgeois moved on to an update on the Site 12 arsenic in groundwater project. Shaw is collecting samples of the wells around the Site 12 arsenic area, which he indicated on the map, near Building 1325. Some initial sampling was done and free petroleum product was detected. Then Shaw conducted a geophysical survey and detected some anomalies. Those results were presented to the RAB at a previous meeting. Additional wells were put in, but no more free product has been found to-date. However, the free product will have to be dealt with before the arsenic in groundwater can be addressed.

Shaw is currently doing sampling during low, low tide. Based on the results of that sampling, they will work with the Navy to determine the path forward. Updates will be given at future RAB meetings.

### **Upcoming Documents and Field Schedule**

#### **Documents**

Mr. Sullivan invited Mr. Hoch to review the Document Tracking Sheet (Attachment F) and the Field Schedule Sheet (Attachment G). Mr. Hoch reviewed the documents that will be issued or have comments due within the next 60 days; all of them are highlighted on the attachment. Mr. Hoch noted that there are numerous upcoming items for review.

#### **Field Schedule**

Mr. Hoch stated the field activities highlighted in yellow will begin or end in the next 60 days. The Building 233 screening and demolition Mr. Bourgeois discussed earlier is scheduled to begin on 21 June.

### **RAB Meeting Minutes**

Mr. Sullivan asked if there were any comments on the April 2010 meeting minutes. Ms. Smith provided one comment, then the RAB voted to approve the minutes with that change incorporated.

### **Co-Chair Announcements**

Alice Pilram (RAB Community Co-Chair) stated the annual "Summer Sailstice" is scheduled for the upcoming weekend. She stated people can go to [www.TIYC.org](http://www.TIYC.org) for details. Ms. Pilram also stated the City is holding an initial meeting to give residents a draft of their proposal for residents who must move off of YBI in anticipation of demolition of the apartments there. The meeting is the Thursday after this RAB meeting at 11:00 am at the Ship Shape Building. She added there are two other meetings, the schedule for which is posted at the front gate to TI. Mr. Sullivan stated one is during a weekday evening and one is on the weekend.

### **BRAC Cleanup Team Update**

Mr. Sullivan gave a brief update on the two BCT meetings held since the last RAB meeting, in May and June 2010. Mr. Sullivan noted that the Environmental Protection Agency (EPA) representative on the BCT, Christine Katin, would be leaving the team after four years. Ms. Katin stated she is taking a new position within EPA, but will be available if there are questions until her replacement is assigned.

Mr. Sullivan explained for people who might not know that the BRAC Cleanup Teams, or BCTs, were originally created in 1993 by the Clinton Administration.

The BCT consists of a Department of Defense representative and representatives from the state agencies and US EPA. At NAVSTA TI, the BCT is comprised of the Navy, the US EPA, the Department of Toxic Substances Control (DTSC) and the Regional Water Board. In addition other interested agencies and the City participate.

The May meeting was an extended, day and a half meeting held in San Diego to allow the team to have extended discussions on several sites and to thoroughly discuss the Site Management Plan (SMP). The SMP is issued annually and is an overview of the entire cleanup program and the project schedules. Mr. Sullivan stated the team also discussed plans to gather more data for Site 6, and plans for a revised risk assessment for Site 32. Now that a soil removal has been done at Site 32, the risk assessment needs to be revised to reflect that. Hopefully, based on that risk assessment, Site 32 will proceed to a No Further Action Proposed Plan.

Mr. Sullivan stated the BCT also discussed Site 33. The Navy proposes to prepare an Explanation of Significant Differences (ESD) for the Site 31 Record of Decision to include Site 33 in that document. Addressing Site 33 through an ESD will be a more efficient use of government resources and expedite the closure of the site.

During the June BCT meeting, two weeks before this RAB meeting, the team talked about transfer, Site 12 work, and field activities in a typical two-hour meeting. Mr. Sullivan stated the next BCT meeting will be held on 7 July. He noted the schedule for the rest of 2010 has been planned, and the rest of the meetings will be in the Bay Area.

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

Mr. Sullivan asked for any public comments or announcements. Ms. McHenry asked if anyone would be willing to write an article for the community newsletter, *Treasure Island News*. Specifically, she asked for an article with an update on when Perimeter Road would be fully reopened to the public. Mr. Sullivan stated he will prepare an article and submit it to Ms. McHenry for the community newsletter. Ms. McHenry asked that he include a graphic such as a map. The newsletter is published monthly, and the deadline is the 17<sup>th</sup> of each month. Articles should be submitted to [treasureislandnews@comcast.net](mailto:treasureislandnews@comcast.net).

Nathan Brennan (RAB member) 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 6 July. There has been more activity with the CAB recently. He stated the City is setting up the zoning rules where there will be residential areas, the heights of the buildings, street widths, and so on. The EIR has all of that information as appendices. Mr. Brennan stated people should check the website,

listed on the RAB agenda, for updates to the schedule of CAB meetings. Mr. Sullivan added that the City's website is a great resource for information and they have many documents on their website.

#### **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.

Mr. Sullivan noted the next RAB community conference call is scheduled for 27 July. The next RAB meeting is 17 August. Mr. Sullivan added that the Navy had recently published a newsletter, and additional copies are available at the sign-in table. The meeting was adjourned.

#### **June 2010 RAB Meeting Handouts**

- Attachment A: NAVSTA TI RAB Meeting No. 148 Agenda, 15 June 2010
- Attachment B: Property Transfer and FOST Update
- Attachment C: Field Efforts, Solid Waste Disposal Areas and Building 233
- Attachment D: Site 12 Risk Evaluation for Soil and Backyard Evaluation Technical Memorandum
- Attachment E: Field Activities Sites 12 Arsenic, 21, 24, 31, and 32
- Attachment F: Document Tracking Sheet, 15 June 2010
- Attachment G: Field Schedule, 15 June 2010

NAVAL STATION TREASURE ISLAND  
ENVIRONMENTAL RESTORATION ADVISORY BOARD MEETING

Tuesday, 15 June 2010

7:00 PM.

**Casa de la Vista (Building 271)**

**Avenue of the Palms**

Treasure Island

**MEETING NO. 148**

- 6:00 – 7:00 **Optional Site Tour** – meet at the Casa de la Vista
- 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 – 7:20 **Treasure Island/Yerba Buena Island Property Transfer Update**  
Lead: James Sullivan, Navy Co-Chair
- 7:20 - 7:35 **Site 12 (TI Housing) Removal Action and Access Update**  
Lead: Pete Bourgeois, Shaw E & I
- 7:35 – 7:50 **Site 12 Human Health Risk Assessment Technical Memo Introduction**  
Lead: Tony Konzen, Navy RPM and Kevin Hoch, Tetra Tech EMI
- 7:50 - 8:00 **Field Activities Update**  
**(Site 12 Arsenic in Groundwater, Sites 21 and 24)**  
Lead: Scott Anderson, Navy RPM and Pete Bourgeois, Shaw E & I
- 8:00 - 8:15 **Site 31 Remedial Action Update**  
Lead: Scott Anderson, Navy RPM and Pete Bourgeois, Shaw E & I
- 8:15 – 8:20 **Upcoming Documents and Field Schedule**  
Lead: Kevin Hoch, Tetra Tech EMI
- 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 July 2010 Meeting

  7:00 pm Tuesday, 17 August 2010  
  Casa de la Vista, Treasure Island

  No September 2010 Meeting

  7:00 pm Tuesday, 19 October 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, 27 July 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** 7 July 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



## BRAC Program Management Office



# Naval Station Treasure Island Property Transfer & FOST Update

Restoration Advisory Board  
June 15, 2010



## Property Transfer & FOST Update



- In December 2009, Secretary Mabus and Mayor Newsom came to agreement on general terms of an economic development conveyance (EDC) deal.
- Navy and TIDA are conducting regular meetings toward the first conveyance
  - First Conveyance planned for 2011, in part dependent on TIDA's CEQA schedule.
  - First Conveyance will not be Early Transfer, ie, "FOST-able" property only
  - Additional conveyances TBD



# FOST Status Map Updated



# 2010 FOST



## Planned December 2010 FOST Package

**Draft FOST: July 22, 2010**

**Final FOST: November 24, 2010**

1. FOSTed (February & March 2006)
2. FOST-ready
3. FOST-anticipated
  - Offshore (except Site 27 Clipper Cove Skeet Range)
  - Site 27 Upland (dry land) – Pending boundary change
  - Site 28 West Side On/Off Ramps
  - Road in Site 29 East Side On/Off Ramps – Pending boundary change
  - Site 30 Daycare Center
  - Utility portion of Bldg 233 parcel



## Status of the TIDA CEQA Process



CEQA: California Environmental Quality Act

- Draft Environmental Impact Report (EIR) Publication (July 2010)
- Draft EIR Public Review Period (45 days)
- Draft EIR Public Hearing – Planning Commission and TIDA Board joint hearing (August 2010)
- Publication of Response to Comments document (Fall 2010)
- EIR Certification Public Hearing – Planning Commission and TIDA Board joint hearing (Winter 2011)
- Final Project Approvals – TIDA Board and San Francisco Board of Supervisors (Spring 2011)

Source: TIDA (Michael Tymoff)

5

# Field Efforts Solid Waste Disposal Areas and Building 233



June 15, 2010  
NAVSTA Treasure Island  
RAB Meeting

## Status at SWDA A&B



STATUS OF SWDA A&B EXCAVATION, MAY 27, 2010



**LEGEND**

- |   |                    |   |   |
|---|--------------------|---|---|
|  | 0 foot 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 & Path Forward



- Since project start 680 Bins have been shipped off Site for disposal, this equals roughly 15,500 tons of soil.
- 140 Bins have been shipped since the restart of work.

## Cleaning of Building 1319



Removal of the Boards covering Doors and Windows

## Cleaning of Building 1319



Spraying of all Areas with Bleach Solution / Radiological Scanning of Personnel

## Cleaning of Building 1321



Bleach Spray used in all Surface Areas / Condition of Rooms Within Building

## Interior Grid Layout for Building 1319



Laying Out Grids Within Bldg. 1319 to Prepare for Scanning a Percentage of all Interior Surfaces prior to Demolition

## Interior Grid Layout for Building 1319



Laying Out Grids Within Bldg. 1319 to Prepare for Scanning a Percentage of all Interior Surfaces prior to Demolition

## Work at SWDA A&B



GPS of the Radiological Readings for the New Control Point Area



Placement of Plastic and Road Base to Create a Level Pathway

## Work at SWDA A&B



Removal of Soil Within the Westside Drive Excavation Area

# SWDA A&B Look Ahead



## Final Status Survey Report for soil in the vicinity of Buildings 1121 and 1123

(will go to the Navy for review in June 2010)

- Backfill of completed excavation around buildings

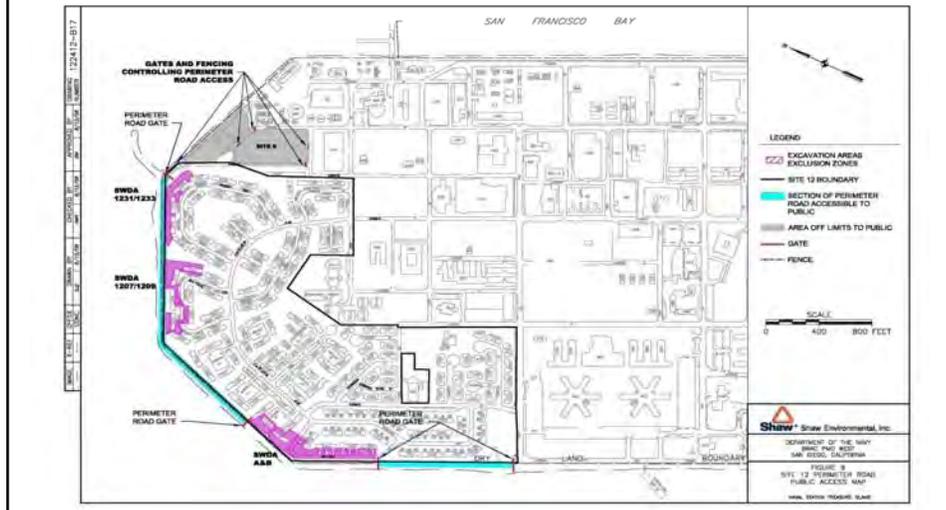
## Building 1321 Hot Spot Removal

(will go to the Navy for final review in June 2010)

## Buildings 1123, 1319, and 1321 Work Instruction

(will go to the Navy for review mid-June 2010)

# Perimeter Road Access

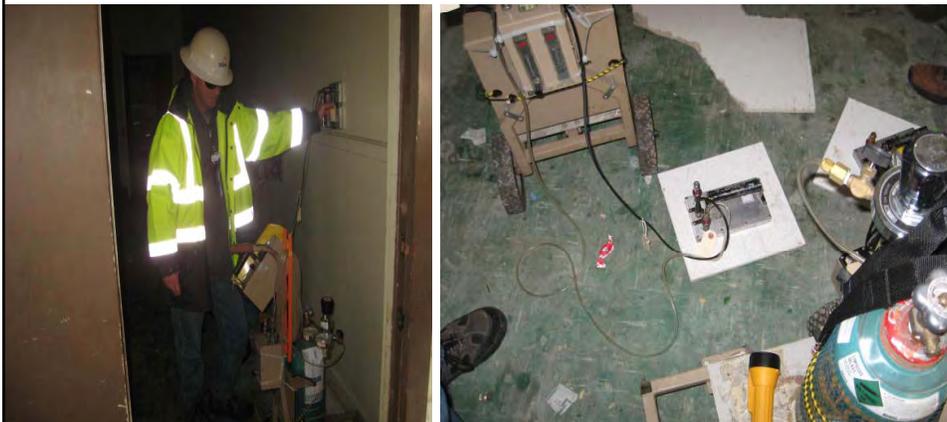


## Preparation for Building 233 Work



Cleaning of Building 40, Prior to Completing a Survey of Background Radiological Values

## Preparation for Building 233 Work



Completing a Survey of Background Radiological Values at Building 40

## Preparation for Building 233 Work



Placement of Four Area TLD Badges at Building 233

## Building 233 Look Ahead



### Begin Field Efforts at Building 233 in June 2010

- Asbestos Abatement and Radiological Screening of Building

### Final Status Survey Plan for Building 233 Footprint

(will go to Navy for review in June 2010)

- After completion of Building Demolition



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



Restoration Advisory Board Meeting  
June 15, 2010



## Overview



- Unique Site 12 Conditions
- Purpose of the Technical Memorandum
- Overview of Risk Evaluation Approach
- Summary of Chemicals of Concern
- Site 12 Action Levels
- Path Forward



## Unique Site 12 Conditions



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

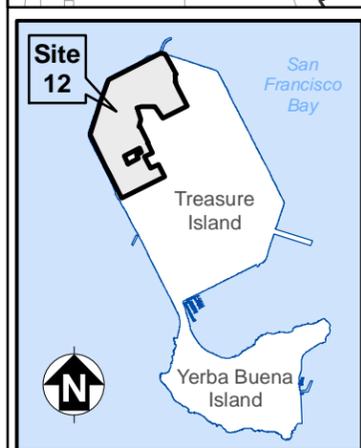
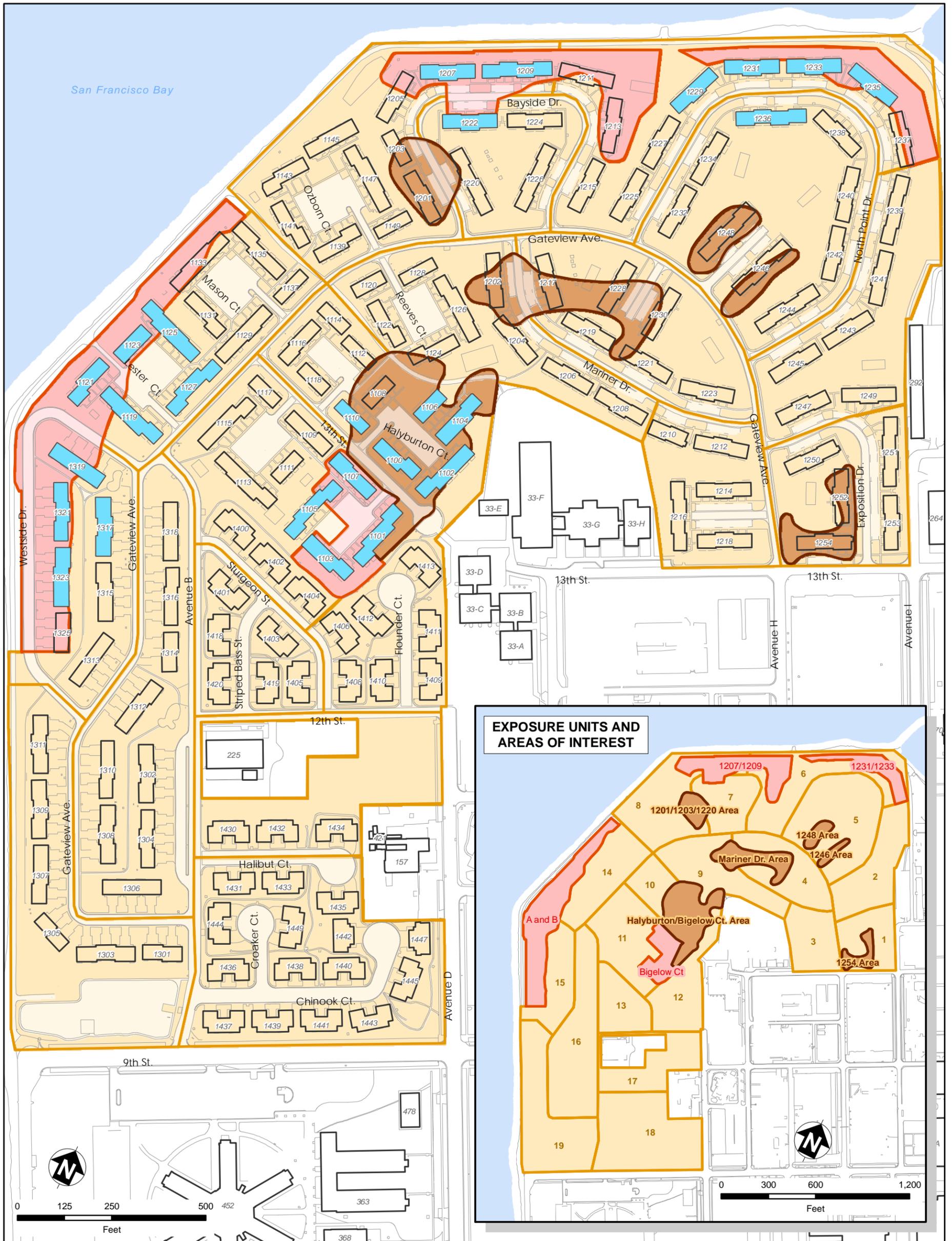
3



## Site Figure



4



- Building
- Building - Unoccupied
- Area of Interest
- Solid Waste Disposal Area (SWDA)
- Exposure Unit (EU)
- Road Edge or Similar Landscape Feature



Naval Station Treasure Island, California  
Department of the Navy, BRAC PMO West, San Diego, California

**FIGURE 1**  
**SITE 12 OVERVIEW**

Risk Evaluation for Soil and Backyard Evaluation, IR Site 12



## 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

5



## Overview of HHRA Approach



- Primary revisions to the 2008 RI Workplan
  - Use of a risk-based concentration (RBC) approach rather than the traditional, forward risk calculation approach
  - Use of a streamlined table format to present the risk calculations, rather than the RAGS Part D tables
  - Exclusion of central tendency exposure (CTE) risk estimates
  - Calculation of four risk estimates (total, site, ambient, and incremental) rather than three risk estimates (total, ambient, and site)
  - Use of updated toxicity equivalency factors (TEF) provided in [Van den Berg and others \(2006\)](#) for dioxin-like compounds.
  - Elimination of risk-based screening to identify COPCs for risk estimates based on Federal (EPA) toxicity criteria (formerly known as Method 1)

6



## Summary of Chemicals of Concern



- Eleven chemicals were identified as Chemicals of Concern:
  - Metals
    - Arsenic
    - Lead
    - Antimony
  - Polycyclic Aromatic Hydrocarbons (PAH)
    - Dibenz(a,h)anthracene, Benzo(a)pyrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene
  - Polychlorinated biphenyls (PCB)
    - Aroclor-1254
    - Aroclor-1260
  - Dioxins

7



## Site 12 Action Levels



- The higher of the EPA Regional Screening Level (RSL), background (metals and Dioxin TEQ), or previously agreed upon Site 12 remedial goals (PAHs and PCBs)
  - Metals
    - Arsenic - 10mg/kg (Ambient)
    - Lead - 400mg/kg (RSL)
    - Antimony - 2.9mg/kg (RSL)
  - PAHs
    - B(a)P TEQ - 0.62 mg/kg (Site 12 remedial goal)
  - PCBs
    - Aroclor-1254 -1.0mg/kg (Site 12 remedial goal)
    - Aroclor-1260 - 1.0mg/kg (Site 12 remedial goal)
  - Dioxins – 12ng/kg (Ambient)

8



## Path Forward



- Final Technical Memorandum scheduled for delivery on June 29.
- Comments will be incorporated into the Site 12 RI Report
  - Draft RI Report due out for review in late October

9



## Questions



Questions??

10



# Naval Station Treasure Island

## Field Activities

Site's 12 Arsenic, 21, 24, 31, and 32

June 15, 2010 RAB Meeting

## Site 21, 24, and 32



### 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 at the end of July 2010.

### Site 32:

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

## Site 31 Excavation Efforts



Debris Area D: Supporting Power Pole and Removing “Guy Wire”

## Site 31 Excavation Efforts



Removal of Final Power Pole Supports to Allow Excavation Around the Pole

## Site 31



Excavation Efforts in Debris Area D

## 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. It is Anticipated that the Site 33 Field Work will Begin Early Fall 2010 Timeframe.**

## Site 31



Excavation at Area D

## Site 12 Arsenic



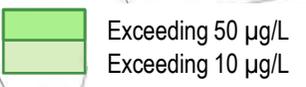
**Groundwater Sampling will occur on June 21, 2010**

**This is to allow for a low –low tide event**

**The results of this sampling will help decide the next step for this site.**

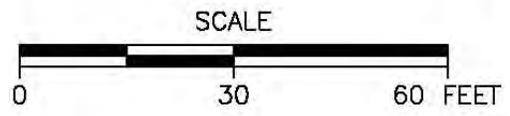
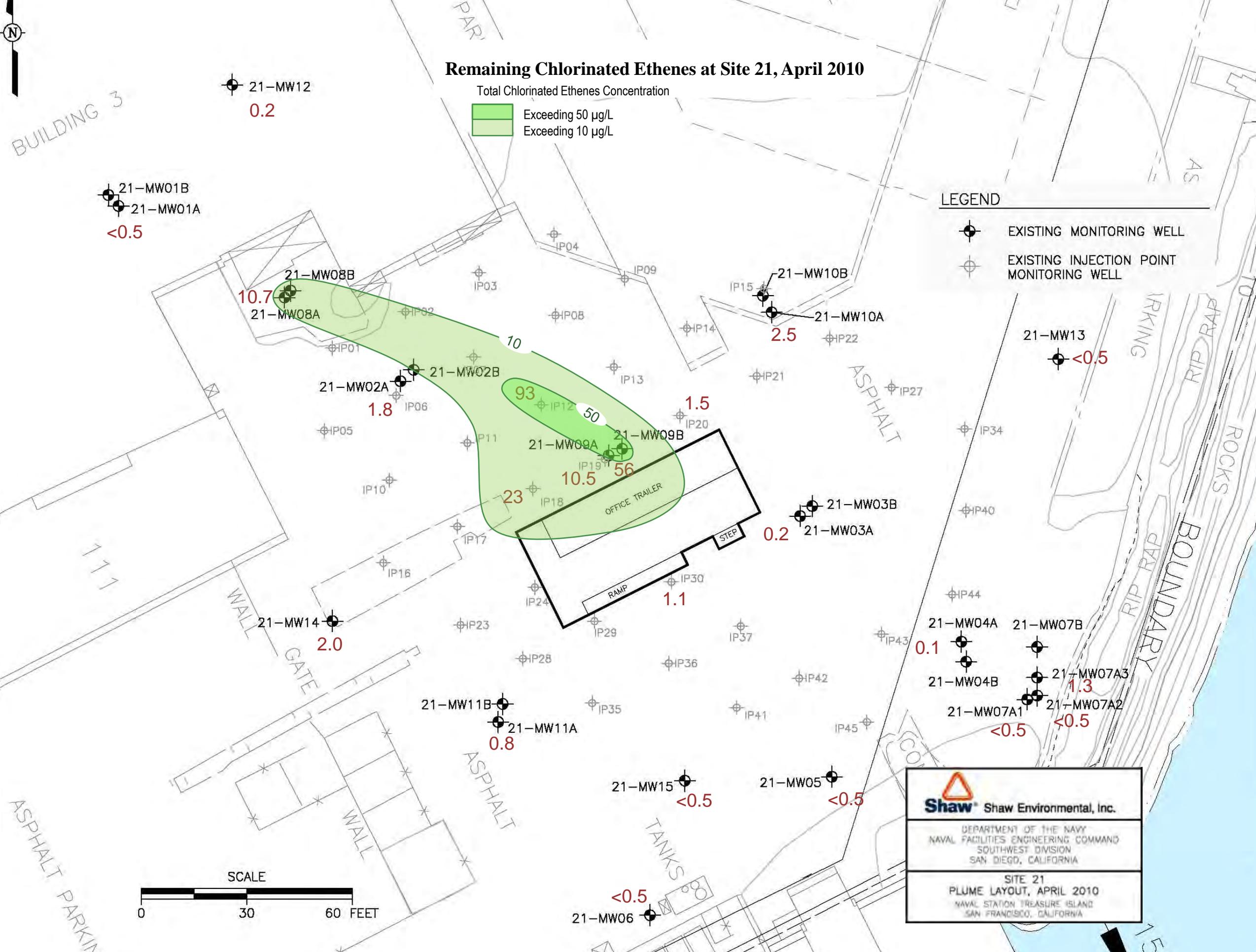
# Remaining Chlorinated Ethenes at Site 21, April 2010

Total Chlorinated Ethenes Concentration



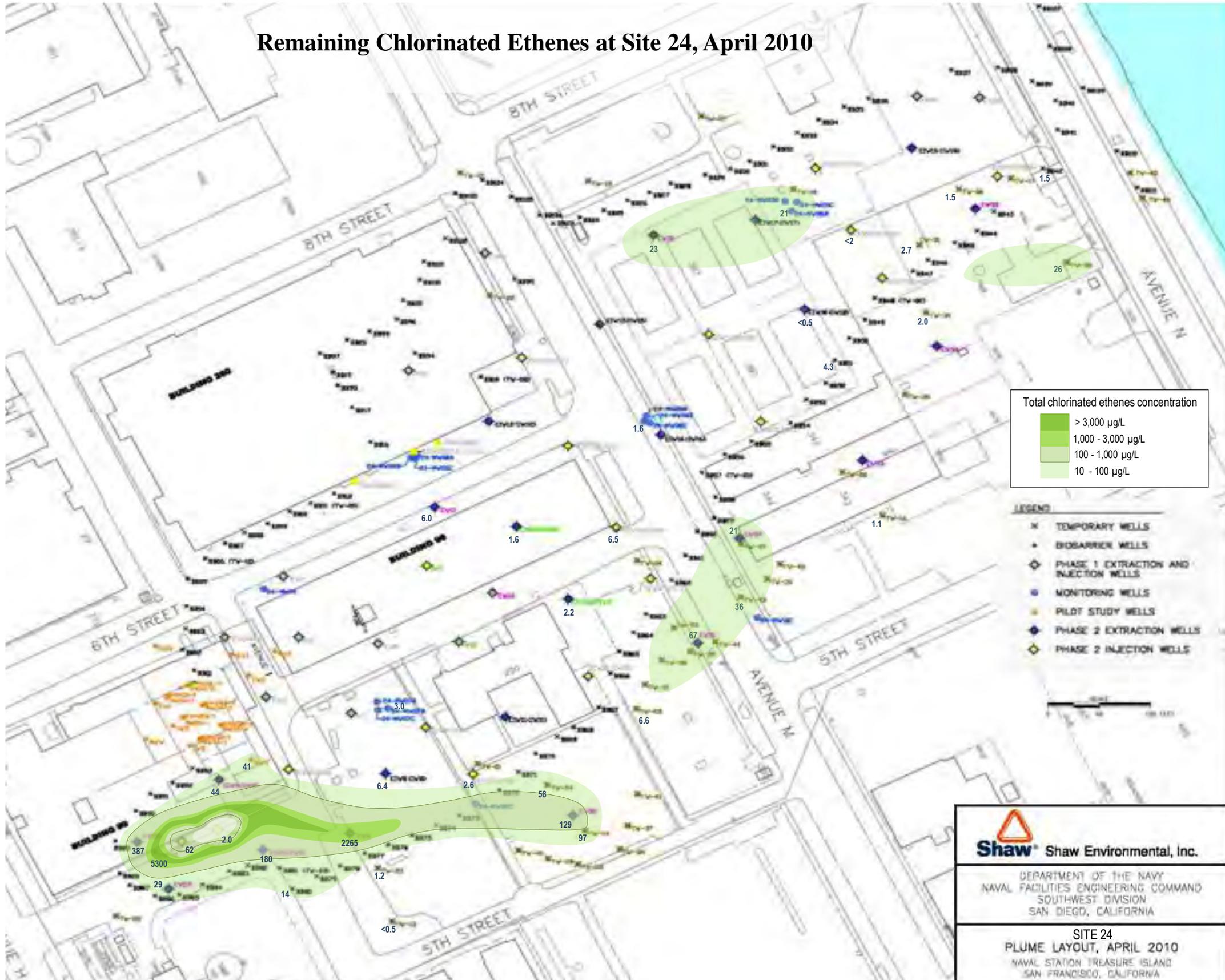
## LEGEND

- EXISTING MONITORING WELL
- EXISTING INJECTION POINT MONITORING WELL



|   |
|---|
| <b>Shaw</b> Shaw Environmental, Inc.  |
| <small>DEPARTMENT OF THE NAVY<br/>NAVAL FACILITIES ENGINEERING COMMAND<br/>SOUTHWEST DIVISION<br/>SAN DIEGO, CALIFORNIA</small> |
| <b>SITE 21</b><br><b>PLUME LAYOUT, APRIL 2010</b><br><small>NAVAL STATION TREASURE ISLAND<br/>SAN FRANCISCO, CALIFORNIA</small> |

# Remaining Chlorinated Ethenes at Site 24, April 2010



**Shaw** Shaw Environmental, Inc.

DEPARTMENT OF THE NAVY  
 NAVAL FACILITIES ENGINEERING COMMAND  
 SOUTHWEST DIVISION  
 SAN DIEGO, CALIFORNIA

SITE 24  
 PLUME LAYOUT, APRIL 2010  
 NAVAL STATION TREASURE ISLAND  
 SAN FRANCISCO, CALIFORNIA

**Naval Station Treasure Island  
Environmental Cleanup Program  
Document Tracking Sheet  
June 2010 - December 2010**

| 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                   | ✓                 | 06/15/10          |                 | 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   | 08/09/10                   |                   | 08/16/10          |                 | 08/19/10 | 09/18/10    |          |      |                              |                            |                        | 10/02/10          | TBD               | 11/01/10 | 11/15/10 | 11/29/10 | 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 | 06/18/10  |          |   |          |   |          |   |                               |  |  |
|                           | RPM: Anthony Konzen                                       |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
|                           | PM: Pete Bourgeois  |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
| 4                         | Building 233 Final Status Survey Work Plan                | FZN1   | 06/29/10                   |                   | 07/29/10          |                 | 08/05/10 | 09/04/10    |          |      |                              |                            |                        | 09/25/10          | NA                | 10/05/10 | 10/19/10 | 11/02/10 |   |          |   |          |   |          |   |                               |  |  |
|                           | RPM: Anthony Konzen                                       |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
|                           | PM: Pete Bourgeois  |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
| 5                         | Site 21 Treatability Study Report                         | FZN1   | 08/20/10                   |                   | 09/03/10          |                 | 09/10/10 | 10/10/10    |          |      |                              |                            |                        | 11/07/10          | TBD               | 12/11/10 | 12/25/10 | 01/08/11 |   |          |   |          |   |          |   |                               |  |  |
|                           | RPM: Scott Anderson                                       |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
|                           | PM: Pete Bourgeois  |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
| 6                         | Site 24 Treatability Study Report                         | FZN1   | 01/05/11                   |                   | 01/19/11          |                 | 01/26/11 | 02/25/11    |          |      |                              |                            |                        | 03/25/11          | TBD               | 04/28/11 | 05/12/11 | 05/26/11 |   |          |   |          |   |          |   |                               |  |  |
|                           | RPM: Scott Anderson                                       |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
|                           | PM: Pete Bourgeois  |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
| 7                         | Sites 21, 24, and 32 Groundwater Monitoring SAP           | FZN1   | 07/16/10                   |                   | 07/30/10          |                 | 08/06/10 | 09/03/10    |          |      |                              |                            |                        | TBD               | TBD               | 09/13/10 | 09/17/10 | 09/24/10 |   |          |   |          |   |          |   |                               |  |  |
|                           | RPM: Scott Anderson                                       |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
|                           | PM: Pete Bourgeois  |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
| 8                         | Site 25 Soil Gas Sampling SAP                             | FZN1   | 07/22/10                   |                   | 08/05/10          |                 | 08/12/10 | 09/11/10    |          |      |                              |                            |                        | TBD               | TBD               | 10/14/10 | 10/28/10 | 11/11/10 |   |          |   |          |   |          |   |                               |  |  |
|                           | RPM: Scott Anderson                                       |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
|                           | PM: Neil Hey  |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
| <b>Tetra Tech EM Inc.</b> |   |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
|                           | Site 33 Remedial Investigation Report                     | 489    | 09/07/06                   | ✓                 | 10/16/06          | ✓               | 10/17/08 | ✓           | 01/06/09 | ✓    | ✓                            | ✓                          | ✓                      |                   |                   | 06/25/09 | ✓        | 07/22/09 | ✓   | 03/05/10 | ✓ | 05/04/10 | ✓ | 05/28/10 | ✓ |                               |  |  |
|                           | RPM: Scott Anderson                                       |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
|                           | PM: Kevin Hoch  |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
| 7                         | 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 | ✓ | 06/30/10 |   | TIDA Comments rec'd 5/20/2010 |  |  |
|                           | RPM: Lora Battaglia                                       |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
|                           | PM: Katie Henry   |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
|                           | Island Times Newsletter #16                               | FZN6   | 01/21/10                   | ✓                 | 02/05/10          | ✓               | 02/12/10 | ✓           | 03/05/10 | ✓    | ✓                            | ✓                          | ✓                      |                   |                   | NA       |          | NA       |   | 04/01/10 | ✓ | 04/19/10 | ✓ | 05/14/10 | ✓ |                               |  |  |
|                           | RPM: Jim Sullivan   |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |
|                           | PM: Marcie Rash   |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |   |          |   |          |   |          |   |                               |  |  |

**Naval Station Treasure Island  
Environmental Cleanup Program  
Document Tracking Sheet  
June 2010 - December 2010**

| Item                                  | Document Title & Information   | CTO/DO | INTERNAL DRAFT             |                   | DRAFT             |                 |          |             |          |      |                              | RTC                        |                        | INTERNAL FINAL    |                   | FINAL    | Comments |          |                |          |  |
|---------------------------------------|--|--------|----------------------------|-------------------|-------------------|-----------------|----------|-------------|----------|------|------------------------------|----------------------------|------------------------|-------------------|-------------------|----------|----------|----------|----------------|----------|--|
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|                                       |  |        |                            |                   |                   | Date Due        | DTSC     | Water Board | EPA      | TIDA |                              |                            |                        |                   |                   | RAB      |          | OTHER    | Priority Level |          |  |
| <b>Tetra Tech EM Inc. (continued)</b> |  |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| 8                                     | <b>2010 Site Management Plan</b>   | FZN6   | 03/09/10                   | ✓                 | 04/09/10          | ✓               | 04/19/10 | ✓           | 05/21/10 | ✓    | ✓                            | ✓                          | ✓                      | ✓                 | ✓                 | 06/11/10 | 06/18/10 | 07/18/10 | 07/28/10       | 08/11/10 |  |
|                                       | RPM: Dave Clark<br>PM: Marcie Rash   |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| 9                                     | <b>Site 24 PP/RAP</b>  | 83     | 7/12/10*                   | 8/25/10**         | 8/11/10*          | 9/24/10**       | 01/26/11 | 11/09/10    |          |      |                              |                            |                        |                   |                   | 12/07/10 | 12/14/10 | 01/07/11 | 01/17/11       | 01/31/11 | * Navy technical review<br>** Navy legal review  |
|                                       | RPM: Scott Anderson<br>PM: Jean Michaels                                     |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| 10                                    | <b>Site 27 Boundary Change Letter</b>  | FZN6   | 04/19/10                   | ✓                 | 04/30/10          | ✓               | 05/12/10 | ✓           | 06/11/10 |      | X                            | ✓                          |                        |                   |                   | TBD      | TBD      | 06/25/10 | 07/02/10       | 07/09/10 |  |
|                                       | RPM: Scott Anderson<br>PM: Marcie Rash                                       |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| 11                                    | <b>Site 29 Boundary Change Letter</b>  | FZN6   | 4/27/2010                  | 6/8/2010          | 5/4/2010          | 6/15/2010       | 06/22/10 | 07/06/10    |          |      |                              |                            |                        |                   |                   | TBD      | TBD      | 07/20/10 | 07/27/10       | 08/03/10 |  |
|                                       | RPM: Scott Anderson<br>PM: Marcie Rash                                       |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| 12                                    | <b>Finding of Suitability to Transfer</b>                                    | 39     | 06/16/10                   |                   | 07/07/10          |                 | 07/20/10 | 08/19/10    |          |      |                              |                            |                        |                   |                   | 09/02/10 | 09/16/10 | 09/27/10 | 10/07/10       | 11/22/10 |  |
|                                       | RPM: Scott Anderson<br>PM: Marcie Rash                                       |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| <b>Trevet</b>                         |  |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| 13                                    | <b>Site 30 Land Use Control Work Plan</b>                                    | 9002   | 4/20/09*                   | 6/11/09**         | 5/1/09            | 7/11/09         | 03/03/10 | 05/21/10    | ✓        | ✓    | ✓                            | ✓                          | ✓                      |                   |                   | 06/18/10 | 06/25/10 | 07/09/10 | 07/30/10       | 08/13/10 | * Navy technical review<br>** Navy legal review<br>Comments rcvd from Arcadis on behalf of         |
|                                       | RPM: Scott Anderson<br>PM: Greg Alyanakian                                   |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| 14                                    | <b>2009 Sites 6 &amp; 12 Annual Groundwater Sampling Report</b>              | 9002   | 04/05/10                   | ✓                 | 06/15/10          |                 | 06/22/10 | 07/22/10    |          |      |                              |                            |                        |                   |                   | NA       | NA       | 08/24/10 | 09/07/10       | 09/21/10 |  |
|                                       | RPM: Tony Konzen<br>PM: Greg Alyanakian                                      |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| <b>ERRG, Inc.</b>                     |  |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| 15                                    | <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 | 06/28/10 | 07/02/10       | 07/12/10 | 9.30 Rec'd Water Board Comm<br>10.2 Rec'd TIDA Comm<br>10.2 Rec'd EPA Comm<br>10.6 Rec'd DTSC Comm |
|                                       | RPM: Tony Konzen<br>PM: Doug Bielskis  |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| <b>Sullivan Consulting Group</b>      |  |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| 16                                    | <b>Site 28 Proposed Plan</b>   |        | 8/7/09*                    | 10/2/09**         | 9/16/2009         | 11/4/09         | 11/24/09 | 01/21/10    | ✓        | ✓    | ✓                            | ✓                          | ✓                      |                   |                   | 03/04/10 | 03/18/10 | 04/02/10 | 04/19/10       | 04/29/10 |  |
|                                       | RPM: Tony Konzen<br>PM: Mehrdad Javaherian                                   |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| 16                                    | <b>Site 28 Record of Decision</b>  |        | 5/11/10*                   | 6/18/10**         | 5/25/10           | 7/2/10          | 07/16/10 | 08/15/10    |          |      |                              |                            |                        |                   |                   | 09/12/10 | 09/26/10 | 10/10/10 | 10/20/10       | 11/03/10 | * Navy technical review<br>** Navy legal review  |
|                                       | RPM: Tony Konzen<br>PM: Mehrdad Javaherian                                   |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| <b>Chadux Tetra Tech</b>              |  |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |
| 17                                    | <b>Site 12 HHRA Tech Memo</b>  | 49     | NA                         |                   | NA                |                 | NA       | NA          |          |      |                              |                            |                        |                   |                   | NA       | NA       | 05/15/10 | 06/15/10       | 06/30/10 | Comments on the final tech memo will be due within 30 days for incorporation into the RI Report.   |
|                                       | RPM: Tony Konzen<br>PM: John Bosche  |        |                            |                   |                   |                 |          |             |          |      |                              |                            |                        |                   |                   |          |          |          |                |          |  |

**Naval Station Treasure Island  
Environmental Cleanup Program  
Document Tracking Sheet  
June 2010 - December 2010**

| 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   |
| <b>Chadux Tetra Tech (continued)</b> |   |        |                            |                   |                   |                 |      |             |     |      |     |                              |                            |                        |                   |                   |          |   |
| 18                                   | Site 12 RI Report                             | 49     | 08/13/10                   | 10/12/10          | 10/26/10          | 11/25/10        |      |             |     |      |     |                              | 12/23/10                   | 01/06/11               | 01/22/11          | 02/01/11          | 02/15/11 |   |
|                                      | RPM: Tony Konzen                              |        |                            |                   |                   |                 |      |             |     |      |     |                              |                            |                        |                   |                   |          |   |
|                                      | PM: John Bosche                               |        |                            |                   |                   |                 |      |             |     |      |     |                              |                            |                        |                   |                   |          |   |
| 19                                   | Site 21 PP/RAP                                | 83     | 4/9/10*<br>5/23/10**       | 5/9/10<br>6/23/10 | 09/10/10          | 10/10/10        |      |             |     |      |     |                              | 11/07/10                   | 11/21/10               | 09/28/10          | 10/12/10          | 10/26/10 | * Navy technical review<br>** Navy legal review |
|                                      | RPM: Scott Anderson                           |        |                            |                   |                   |                 |      |             |     |      |     |                              |                            |                        |                   |                   |          |   |
|                                      | PM: Jean Michaels                             |        |                            |                   |                   |                 |      |             |     |      |     |                              |                            |                        |                   |                   |          |   |
| 20                                   | Site 33 Explanation of Significant Difference | 83     | 7/2/10*<br>8/16/10**       | 8/2/10<br>9/16/10 | 09/30/10          | 10/30/10        |      |             |     |      |     |                              | 11/27/10                   | 12/11/10               | 12/27/10          | 01/10/11          | 01/24/11 | * Navy technical review<br>** Navy legal review |
|                                      | RPM: Scott Anderson                           |        |                            |                   |                   |                 |      |             |     |      |     |                              |                            |                        |                   |                   |          |   |
|                                      | PM: Kevin Hoch                                |        |                            |                   |                   |                 |      |             |     |      |     |                              |                            |                        |                   |                   |          |   |

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  
June 2010 - December 2010**

| Item          | Activity & Investigation Area  | DTR #      | Field Dates   | Navy RPM                         | CTO/DO | PM                                | FTL                                | Complete |
|---------------|--|------------|---|----------------------------------|--------|-----------------------------------|------------------------------------|----------|
| <b>Shaw</b>   |  |            |   |                                  |        |                                   |                                    |          |
| 1             | Site 24 Treatability Study Phase II<br><i>Site 24</i>                  | Doc<br>N/A | Start: 07/21/08<br>Finish: TBD                        | Scott Anderson<br>(619) 532-0938 | FZN1   | Pete Bourgeois<br>(415) 277-6983  | David Cacciatore<br>(925) 288-2299 |          |
| 2             | Site 21 Pilot Treatability Study<br><i>Site 21</i>                     | Doc<br>N/A | Start: 10/06/08<br>Finish: TBD                        | Scott Anderson<br>(619) 532-0938 | FZN1   | Pete Bourgeois<br>(415) 277-6983  | Dan Leigh<br>(925) 288-2193        |          |
| 3             | Non-Time Critical Removal Action<br><i>Site 12</i>                     | Doc<br>N/A | Start: 02/26/07<br>Finish: TBD                        | Tony Konzen<br>(619) 532-0924    | 10     | Pete Bourgeois<br>(415) 277-6983  | Pete Bourgeois<br>(415) 277-6983   |          |
| 4             | Arsenic in Groundwater Pilot Study<br><i>Site 12</i>                   | Doc<br>N/A | Start: 11/10/08<br>Finish: TBD                        | Scott Anderson<br>(619) 532-0938 | FZN1   | Pete Bourgeois<br>(415) 277-6983  | Pete Bourgeois<br>(415) 277-6983   |          |
| 5             | Site 31 Remedial Action<br><i>Site 31</i>                              | Doc<br>2   | Start: 02/01/10<br>Finish: TBD                        | Scott Anderson<br>(619) 532-0911 | FZN1   | Pete Bourgeois<br>(415) 277-6983  | Pete Bourgeois<br>(415) 277-6983   |          |
| 6             | Building 233 Screening and Demolition                                  | Doc        | Start: 06/21/10<br>Finish: TBD                        | Tony Konzen<br>(619) 532-0924    | FZN1   | Pete Bourgeois<br>(415) 277-6983  | Pete Bourgeois<br>(415) 277-6983   |          |
| 7             | Sites 21, 24 & 32 Groundwater Sampling<br><i>Sites 21, 24 &amp; 32</i> | Doc<br>N/A | Start: 09/24/10<br>Finish: TBD                        | Scott Anderson<br>(619) 532-0938 | FZN1   | Pete Bourgeois<br>(415) 277-6983  | Pete Bourgeois<br>(415) 277-6983   |          |
| 8             | Site 25 Soil Gas Sampling<br><i>Site 25</i>                            | Doc<br>N/A | Start: 11/11/10<br>Finish: TBD                        | Tony Konzen<br>(619) 532-0924    | FZN1   | Pete Bourgeois<br>(415) 277-6983  | Pete Bourgeois<br>(415) 277-6983   |          |
| <b>Trevet</b> |  |            |   |                                  |        |                                   |                                    |          |
| 9             | Sites 12 & 6 Groundwater Sampling<br><i>Site 12 &amp; 6</i>            | Doc<br>N/A | Start: 4/8/10<br>6/14/10<br>Finish: 4/8/10<br>6/17/10 | Tony Konzen<br>(619) 532-0924    | CLIN   | Greg Alyanakian<br>(858) 869-3110 | Greg Alyanakian<br>(858) 869-3110  |          |
| <b>EMS</b>    |  |            |   |                                  |        |                                   |                                    |          |
| 10            | Site 12 Removal Action Soil Sampling<br><i>Site 12</i>                 | Doc<br>N/A | Start: 12/05/07<br>Finish: TBD                        | Tony Konzen<br>(619) 532-0924    | NA     | Dawn Roarty<br>(916) 919-4785     | Salem Attiga<br>(925) 939-0687     |          |
| <b>ERRG</b>   |  |            |   |                                  |        |                                   |                                    |          |
| 11            | Site 6 Data Gaps Investigation<br><i>Site 6</i>                        | Doc<br>12  | Start: 07/12/10<br>Finish: TBD                        | Tony Konzen<br>(619) 532-0924    | 2608   | Doug Bielskis<br>(925) 839-2270   | Phil Skorge<br>(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.