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

Meeting 175 17 February 2015

N60028_002790
TREASURE ISLAND
SSIC NO. 5090.3.A

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

Department of the Navy and Regulatory Agency RAB Members in attendance:
Keith Forman, Navy RAB Co-Chair
Nathan Schumacher, Department of Toxic Substances Control (DTSC)
Remedios (Medi) Sunga, DTSC
Myriam Zech, San Francisco Bay Regional Water Quality Control Board (Water Board)

Other Navy and Regulatory Staff and Consultant Representatives in attendance:
Bryce Bartelma, Navy
Dave Clark, Navy
Yashekia Evans, Tetra Tech, Inc.
Derek Farmer, Tetra Tech, Inc.
Jessica O'Sullivan, Tetra Tech, Inc.
Lee Saunders, Navy
Tommie Jean Valmassy, Tetra Tech, Inc.

Public Guests in attendance:
Seanda Conley, resident
Max Garcia, John Stewart Co.
Carol Harvey, journalist
Erik Lundgren, resident
Elizabeth Wagner, NBC Bay Area
Melanie Williams, resident

Welcome Remarks and Agenda Review

Keith Forman (Base Realignment and Closure [BRAC] Environmental Coordinator [BEC]) opened the February RAB meeting for the Former Naval Station Treasure Island (NAVSTA TI) held at the Casa de la Vista (Building 271) on Treasure Island (TI). Mr. Forman introduced the regulatory agency representatives present: Myriam Zech (Water Board) and Medi Sunga (DTSC). Ms. Sunga introduced Nathan Schumacher (DTSC). Mr. Schumacher said he is now DTSC's Public Participation Specialist for NAVSTA TI and has experience working on other military bases. Mr. Forman also introduced all of the Navy staff present.

Alice Pilram (RAB community co-chair) reviewed the agenda (Attachment A). Mr. Forman noted the meeting will follow the same format, with public comment and questions timed for 2 minutes to allow everyone a chance to speak while

adhering to the schedule. A beeping timer will now be used to better notify the speakers that the comment time limit has ended.

Old Business – RAB Minutes Approval
Mr. Forman confirmed a quorum was present for approving the draft December 2014 meeting minutes. Ms. Smith provided comments. The RAB voted to approve the December 2014, Meeting 174, meeting minutes as final, pending incorporation of comments.

Old Business – BRAC Cleanup Team Update
Ms. Sunga said DTSC has reviewed and commented on numerous documents since the last RAB meeting, including the Basewide Five-Year Review and associated fact sheet, the Site 6 remedial design work plan, and the Site 24 Proposed Plan (PP). Along with the Site 24 PP, DTSC was working on the related remedial action plan (RAP). In addition, DTSC worked with the California Department of Public Health (CDPH), which is a support agency to DTSC, reviewing radiological documents. A DTSC ecotoxicologist is reviewing responses to comments on the screening-level ecological risk assessment (SLERA) in support of the Water Board.

Ms. Zech said review of the SLERA for Site YF3 on Yerba Buena Island is a priority for the Water Board. She added that the Water Board is pleased that the remedial action completion plan (RACR) for Site 21 is completed. The RACR will be presented to the Water Board, and should be signed soon.

New Business – Next Removal Actions at Site 12
Bryce Bartelma (Navy) and Mr. Forman presented the update (Attachment B). Mr. Bartelma reviewed the objectives of the data gaps investigation, listed on slide 2. The field work was conducted in fall 2014, and Mr. Bartelma discussed the results and the next steps. Mr. Bartelma said the Navy maintains a large database, NIRIS, with tens of thousands of sample results. In reviewing some of those sample results for accuracy, there were five locations with duplicate sample discrepancies. This investigation will include samples in those locations to get accurate information.

Mr. Bartelma showed photographs of the methods used to collect samples. Horizontal directional drilling was used to gather samples beneath buildings. A limited access rig was used to core through the floor in vacant units. In other locations, a hand auger was used to collect a sample. During the review of slide 7, Mr. Bartelma noted there was only one detection above cleanup levels: polycyclic aromatic hydrocarbons (PAH) at Building 1217. Mr. Bartelma said all sampling areas were radiologically screened throughout the entire data gaps sampling event. There were no areas with elevated radiological readings during the data gaps investigation.

Mr. Bartelma reviewed the data collection points in the Gateview Avenue arsenic/petroleum study area. Approximately 13 soil borings were collected in that area; samples from these borings are being analyzed for petroleum products, including gasoline, diesel, and motor oil. There is a rubbish area near Gateview Avenue and Mariner Drive, and the Navy used a backhoe to dig eight test pits. Household rubbish was found in six of the eight test pits. Many of the items were old glass bottles. Based on Internet research, some of the Coca-Cola and Mennen aftershave bottles found can be dated to the 1950s, which helps date the rubbish.

The next step is an action memorandum to plan for a removal action for soil and groundwater. The data collected will help the team detail how to conduct the removal action. Mr. Bartelma reviewed a map showing the soil areas of Site 12 divided into areas 1, 2, and 3. The work at area 3 is listed as "optional" because of the size of the task. That designation means it is optional for the current contract; it does not mean the work itself is optional. Area 3 may be part of this removal action, or may have to be completed later.

Mr. Bartelma said this soil work is being planned as part of a removal action because the groundwater work must be completed, and it will be more expeditious, cost-effective, and will cause less disruption to residents to do the soil excavations at the same time.

Ms. Smith asked if the analytical database that Mr. Bartelma mentioned, NIRIS, will be available to others in the future, especially if sampling needs to be revisited. Mr. Clark said it is an official database that the Navy will continue to maintain.

Ms. Smith noted that horizontal drilling is not actually horizontal, and asked about the depth below the surface the drill is reaching. Mr. Bartelma said the team targeted a depth of 4 feet below ground surface. He explained that the horizontal directional drill is inserted into the ground at an angle, but then flattens out. It is a unique technology that can turn in many directions, if needed.

Ms. Smith asked if soil samples were mixed before chemical characterization. Mr. Bartelma said the soil samples were not composite, but were "spot" samples. Ms. Smith asked how that information will be used in the feasibility study once this removal action is complete. Mr. Bartelma said the removal action will feed into the process; the Navy will still complete a PP and a Record of Decision for Site 12, and it will note that this area has already been excavated.

Ms. Smith said she has had concerns about the SLERA. She is also concerned about the YF3 report and is glad it is not finalized. Ms. Smith said the Navy is excavating total petroleum hydrocarbons (TPH) in Site 12, but will not excavate

the weathered TPH at YF3. Ms. Zech said the Water Board and the Navy have been exchanging views about the SLERA. However, the YF3 site is along the shoreline, so excavation would not work at that site. Mr. Clark said there is no final decision on what to do at YF3, and all options are still being considered. The Navy must make sure that any action they may take does not do more harm than good since the site is located on the shoreline in the middle of the natural habitat of San Francisco Bay. Mr. Forman added that a distinguishing factor between these two petroleum sites is that at Site 12, the data indicate the arsenic is being mobilized by the TPH and could reach the bay. For Site YF3, the Navy and Water Board have not agreed on the mobility of the contaminants, although the Navy has agreed to gather more data.

Ms. Smith asked if the arsenic will remobilize in the Gateview area after the cleanup, once the oxygen reducing compound (ORC) is depleted. Mr. Bartelma said it is important to remove the petroleum first, because that is what is causing the arsenic to mobilize. Once the petroleum is removed, the ORC will allow the arsenic to adhere to soil, and it should not re-mobilize unless petroleum was once again introduced into the soil.

Ms. Smith said she is concerned about a statement in the Site 12 Feasibility Study Addendum that Building 1313 may not be vacated in order to avoid disruption to residents. She noted residents have already been relocated in several areas, and she wants what is best for a thorough cleanup. Mr. Bartelma said disruption to residents is a consideration, but the most sound, science-based plan for cleanup is always what will be used. Mr. Bartelma added that, on further investigation, it has been determined that Building 1313 will need to be vacated so it can be demolished. Mr. Forman added that, currently, the Navy has not yet decided whether Building 1311 will also need to be demolished.

Melanie Williams (resident) asked for clarification about where Buildings 1311 and 1313 are located. Mr. Forman indicated the location on a map, and said they are within the Site 12 housing area. Ms. Williams said her primary concern is finding out whether current residents are safe. Mr. Forman said the current conditions continue to be safe for residents. The cleanup the Navy is doing is for long-term reuse, to be compatible with the City's reuse plan. The Navy and its contractors continue to protect the safety of workers and residents by taking precautions such as minimizing dust during work activities, and preparing and implementing full health and safety plans, which are reviewed by the regulatory agencies.

Erik Lundgren (resident) asked if the contractors assigned the cleanup work are wearing the proper protective gear, and if OSHA (the Occupational Safety and Health Administration) is involved in making sure workers are protected. Mr. Bartelma said the proper level of OSHA safety gear is identified in advance for

each project. The team used level D safety gear, which includes a hard hat and glasses, for the data gaps investigation being presented at the current meeting. Mr. Lundgren asked if the workers are directly aware of the safety gear they are required to wear. Mr. Bartelma said all the workers are aware of the appropriate safety gear they are required to wear; each person must review and sign off on the project health and safety plan. Mr. Bartelma said OSHA does not typically observe the work, but the contracting companies have their own site safety officers who verify that the health and safety plan is being followed.

Mr. Lundgren asked about a project where terra cotta pipes were removed. He asked if radiation contamination could have seeped through the terra cotta and caused some exposure to radiation. Mr. Clark said the water at Site 12 is regularly sampled, and there has been no indication of a radiation issue in the groundwater.

Carol Harvey (journalist) asked if the Navy had attended a community meeting at the Ship Shape Community Center to answer community questions. Mr. Forman said he has attended several community meetings. The next meeting is February 18, 2015 (the day after the current meeting), at 6:30 p.m. and he will be there. He noted the question and answer for that meeting is not based just on the presentation from the RAB meeting; the Navy will answer any general environmental work questions from the community.

Ms. Harvey asked about the origin of the benzene detection on Avenue B, and the arsenic on Gateview Avenue. Ms. Harvey said these locations seem close to the USS Pandemonium Site I location and asked if there is a connection. Mr. Clark said the benzene is related to petroleum that is in the area. There were historical refueling stations in the area, so they are the likely source of the petroleum, but it cannot be known for certain. The arsenic is naturally occurring. Mr. Clark indicated on the map the location of the refueling stations and the USS Pandemonium Site I area, and Mr. Forman said it is not close to the benzene and arsenic areas Ms. Harvey is questioning. He added that the USS Pandemonium Site I area, the TPH site, and the two benzene detections are in no way related to one another.

Mr. Lundgren said he has a friend who works for Recology. The friend said his company was responsible for removing soil from TI, and Mr. Lundgren is concerned that it was possibly contaminated with asbestos. He asked if Recology and its workers were made aware of the contamination. Mr. Forman said he is not familiar with Recology. It was clarified that Recology is a garbage contractor to the City. Mr. Clark and Mr. Forman said they are not aware of any project in which the Navy would have used Recology to remove any soil.

New Business – Document Tracking Sheet and Field Schedule

Mr. Clark presented the Document Tracking Sheet (DTS) (Attachment C) and the Field Schedule (Attachment D). He focused on the numerous documents related to Site 12, listed as items 4 through 8 on the DTS. Mr. Clark noted that the PP for Site 24 will be issued on February 20, 2015, and a public meeting will be held on March 11, 2015. Mr. Clark moved on to the field schedule. Buildings have been demolished as part of the Phase III non-time critical removal action (NTCRA). Excavation will begin during spring 2015, and residents will be notified.

Ms. Harvey said there was a building in the housing area where the Navy removed siding and was going to give it to housing providers. She asked for the number of that building and if it is still standing. Mr. Forman said it was Building 1231, and the building has been demolished, but the foundation remains for now.

New Business – Co-Chair Announcements and Future Agenda Items

Ms. Pilram said there is a community meeting tomorrow night, February 18, 2015, at the Ship Shape Community Center on TI. Mr. Forman said he will be there, along with TIDA consultant Chris Glenn from Langan Treadwell Rollo. They are not making a formal presentation, but will be present to answer questions about the environmental program.

Mr. Forman reiterated that the Site 24 PP public meeting, required by federal statute, will be held at the Casa de la Vista on Tuesday, March 11, 2015, from 6:30 p.m. to 8:00 p.m. The Navy will present posters about the project at the beginning of the meeting, and the Navy project manager, along with regulatory agency representatives, will be present to discuss the PP.

Mr. Forman announced that the completion report (a RACR) for Site 27 has been finished and signed. The RACR for Site 31 also has been finished and is pending Water Board signature. The RACR is a milestone for the environmental program because it closes out the environmental site. In addition, reaching this milestone will give Navy and regulatory agency staff the opportunity to focus more attention on the top priority site, which is Site 12. Mr. Forman said 2015 will be an active year for cleanup at Site 12, with extensive field work beginning in April. Mr. Forman thanked the community members for their patience with the cleanup process. He said the Navy will do its best to complete the job of environmental cleanup while being mindful that it is in a neighborhood and needs to keep disruption limited.

Closing Remarks

Mr. Forman thanked everyone for attending. The Next RAB meeting will be Tuesday, April 21, 2015. The meeting was adjourned at 8:39 p.m.

Action Items

#	Action Item	Due Date	Status
	None outstanding		

17 February 2015 RAB Meeting Handouts

- Attachment A: NAVSTA TI RAB Meeting No. 175 Agenda
- Attachment B: Site 12 Data Gaps Investigation Results
- Attachment C: Document Tracking Sheet
- Attachment D: Field Schedule

AGENDA
NAVAL STATION TREASURE ISLAND
ENVIRONMENTAL RESTORATION ADVISORY BOARD MEETING
Tuesday, 17 February 2015
Casa de la Vista Building 271, Treasure Island
MEETING NO. 175

I. WELCOME REMARKS AND AGENDA REVIEW

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

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

II. OLD BUSINESS

7:10 -7:30 RAB meeting Minutes Approval
Lead: Keith Forman, Navy Co-Chair

7:30 – 7:40 BRAC Cleanup Team Update
Leads: DTSC and Water Board

III. NEW BUSINESS

7:40 – 8:25 The Next Removal Actions at Site 12
Lead : Bryce Bartelma, Navy
Presentation Q&A : RAB
Presentation Q&A : Community

8:25– 8:35 Document Tracking Sheet and Field Schedule
Lead: Dave Clark, Navy

8:35 – 8:45 Co-Chair Announcements and Future Agenda Items
Lead: Alice Pilram, Community Co-Chair

IV. COMMENTS ON NON-AGENDA ITEMS

8:45 – 9:00 Community Question and Answer Period
Lead: Keith Forman, Navy Co-Chair

9:00 Closing Remarks
Lead: Co-Chairs

Next Regular Meeting: No March 2015 Meeting

7:00 pm Tuesday, 21 April 2015
Casa de la Vista, Treasure Island

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

Next Interim RAB Community Member Conference Call:

7:00 pm. Tuesday, 31 March 2015
Call-In Number: 1- 866-738-8583
Participant Code: 6153166

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

Navy San Diego Office Address:

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

Site 12 Data Gaps Investigation Results and the Next Removal Actions

Naval Station Treasure Island

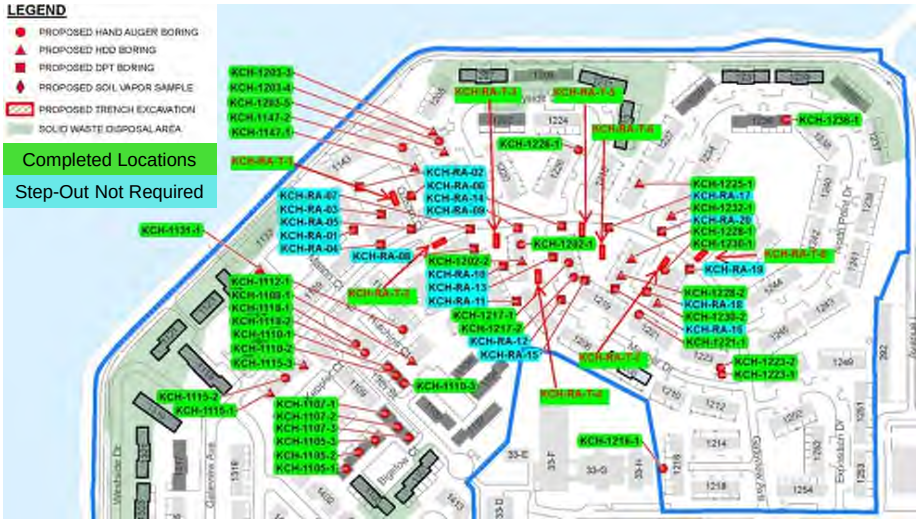
February 17, 2015 RAB Meeting

Bryce Bartelma, Remedial Project Manager

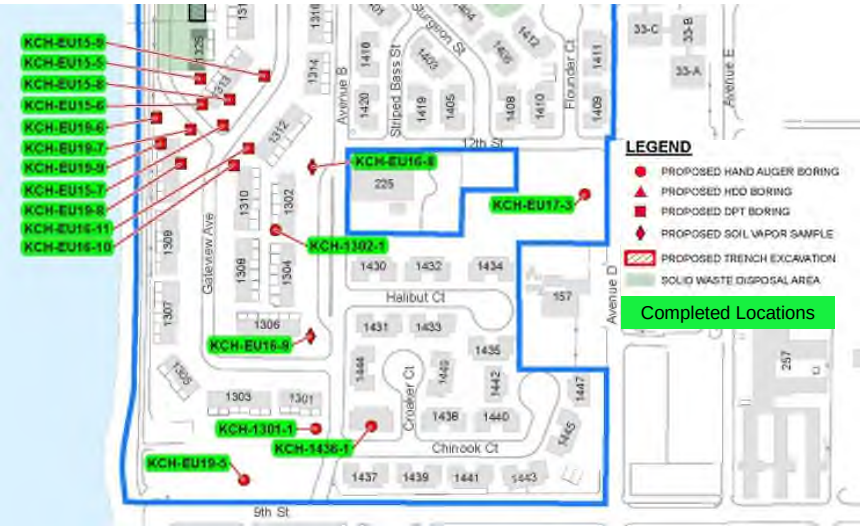
OBJECTIVES OF DATA GAP INVESTIGATION

1. Delineate Underground Chemicals of Concern (COCs) Adjacent to Buildings
   - Sample Near/Under Buildings
2. Investigate Suspect Underground Rubbish Area
   - Test Pits and Sample Soil for COCs (including Radium-226)
3. Resolve Discrepancies in Historical Data
   - Confirm/Deny Historical Data
4. Delineate Gateview Underground Arsenic/Petroleum Area
   - Obtain Data for Groundwater Removal Action
5. Investigate Possible Benzene near Avenue B
   - Confirm Whether any Further Work Needs to be Done

SAMPLE LOCATIONS – NORTH SITE 12



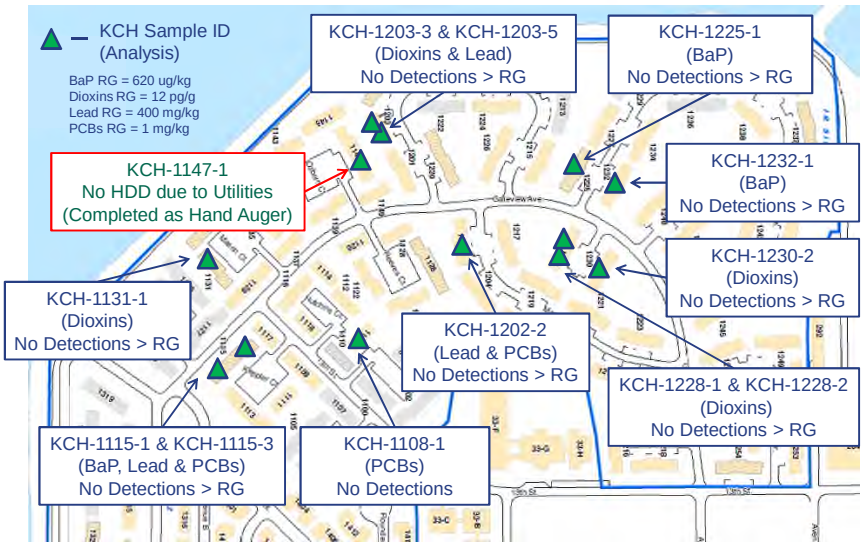
SAMPLE LOCATIONS – SOUTH SITE 12



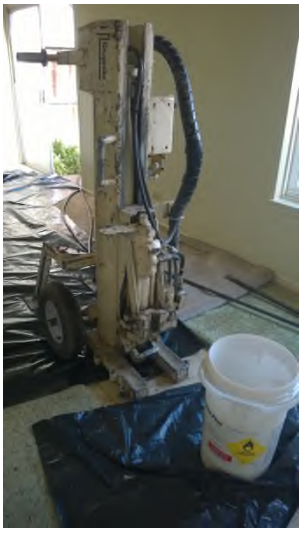
HORIZONTAL DRILLING SETUP

HORIZONTAL DRILLING SAMPLER

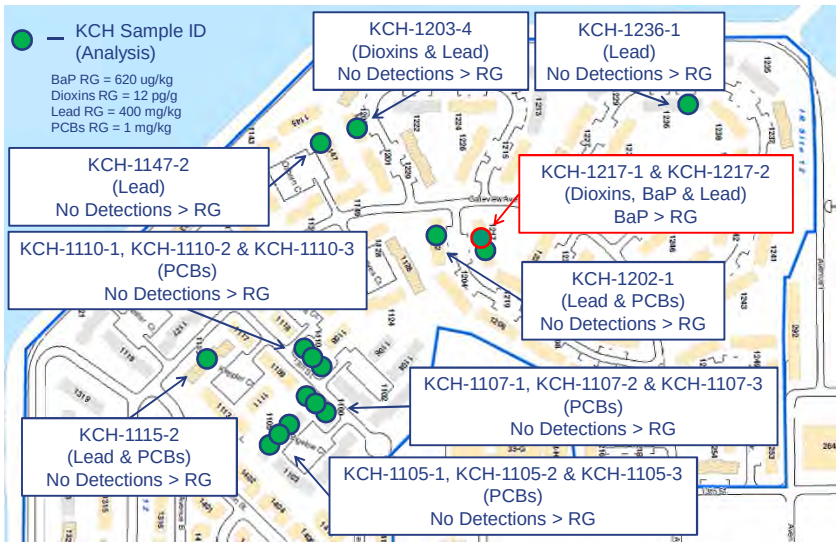
HORIZONTAL DIRECTIONAL DRILLING LOCATIONS



CONCRETE CORING, DRILLING AND SAMPLING UNDER VACANT UNITS AND BACKYARDS



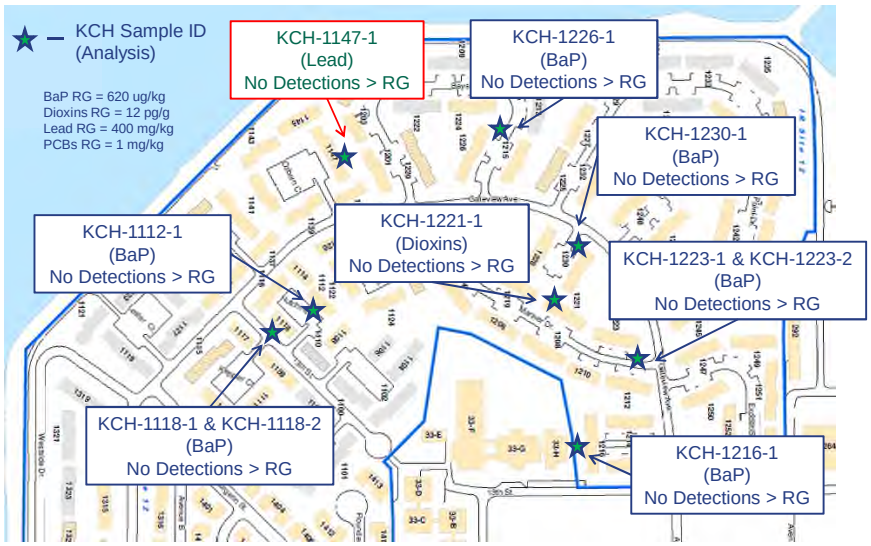
UNOCCUPIED BUILDINGS AND VACANT UNITS CONCRETE CORING AND HAND AUGER LOCATIONS



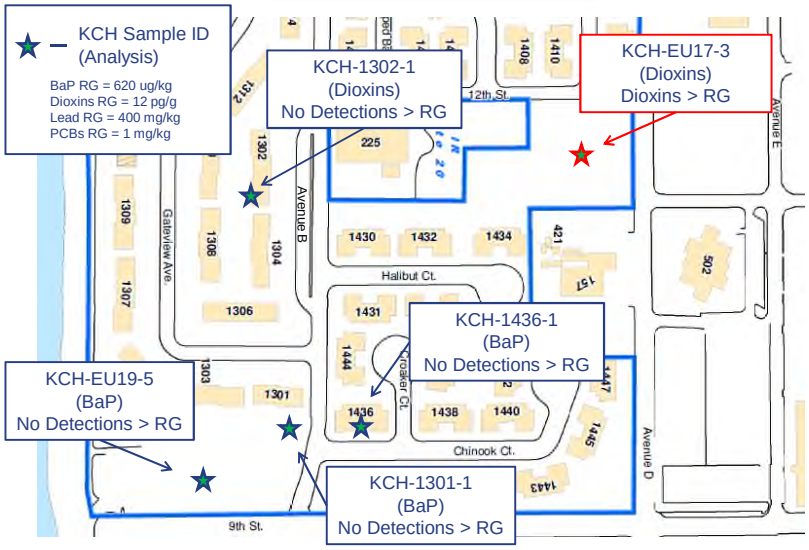
HAND AUGER & RADIOLOGICAL SCREENING

- No elevated radiological readings throughout Data Gap Investigation

OCCUPIED BUILDINGS – NORTH SITE 12
FRONT AND BACKYARD HAND AUGER LOCATIONS



OCCUPIED BUILDINGS – SOUTH SITE 12
FRONT AND BACKYARD HAND AUGER LOCATIONS

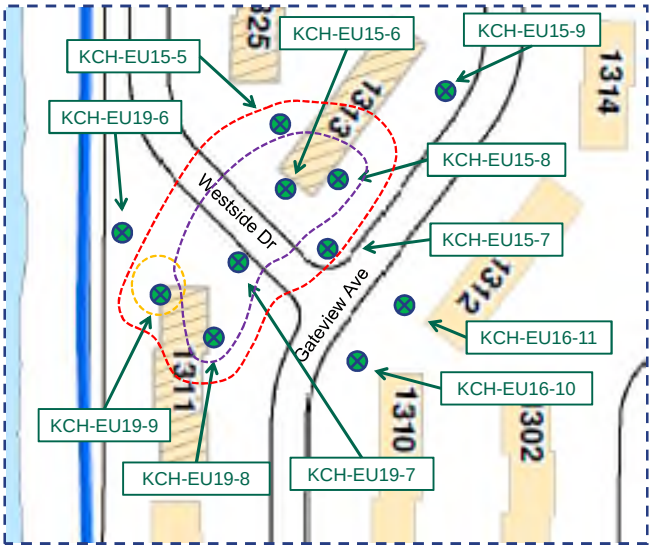


GATEVIEW ARSENIC/PETROLEUM STUDY AREA DATA COLLECTED

KCH Sample ID (All soil borings analyzed for petroleum as gasoline, diesel and motor oil)

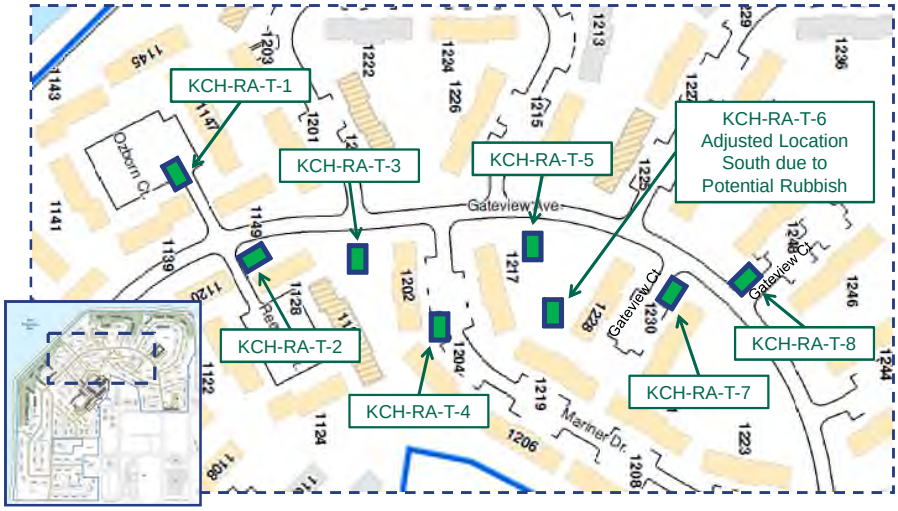
PROJECT ACTION LEVELS

- TPH-g = 1,030 mg/kg
- TPH-d = 1,380 mg/kg
- TPH-o = 1,900 mg/kg



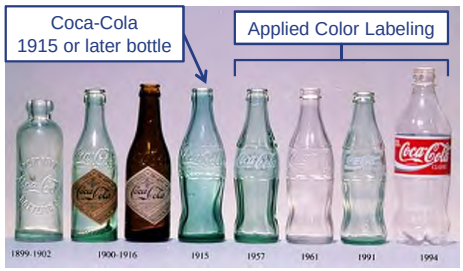
SOIL TRENCH LOCATIONS IN RUBBISH AREA

Soil Trench Locations



SOIL TRENCH LOCATIONS WITH RUBBISH

DETERMINING AGE OF RUBBISH



Mennen Ad 1952

White Rock ~1950s bottles

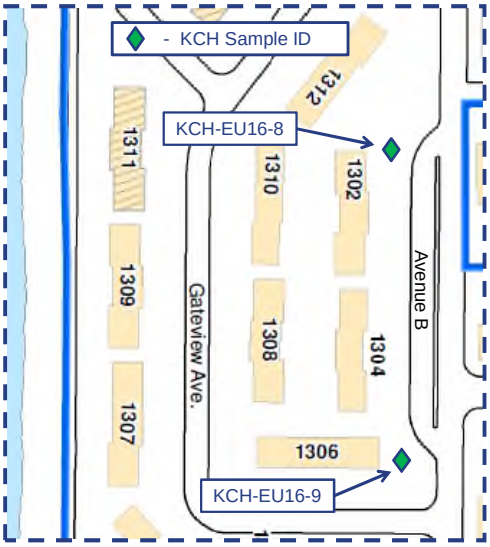
RUBBISH AREA RESULTS

1. Chemicals of Potential Concern in Underground Soil
   - Dioxins – All results < RG of 12 pg/g
   - Lead – All results < RG of 400 mg/kg
   - PAHs – All results < RG of 620 ug/kg
   - Pesticides – No detections of concern
   - PCBs – All results < RG of 1 mg/kg
   - Radium-226 – No detections of concern
   - Petroleum – All results < Project Action Levels
2. Radiological Screening of all Soil, Open Trench & Equipment
   - No elevated readings
3. Rubbish Identified in Two out of Eight Trenches at 4 feet bgs
   - KCH-RA-T-6
   - KCH-RA-T-7

SOIL VAPOR SAMPLING

- All results < Remedial Investigation Risk Based Screening Concentrations

(for Benzene, this level is 66 ug/m^3)



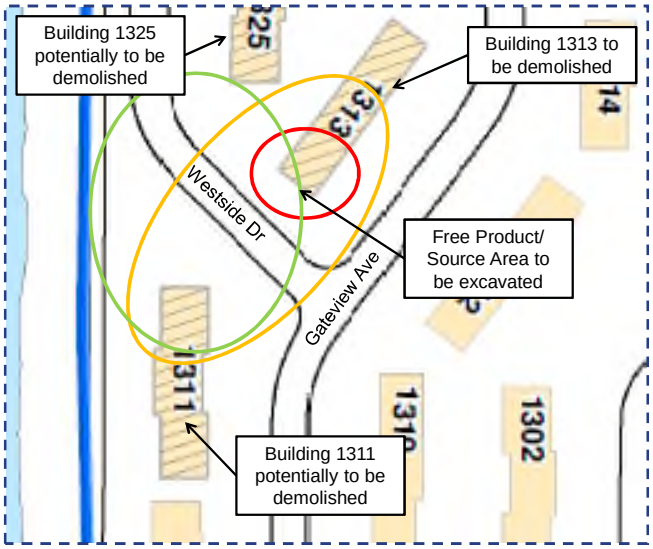
CONCLUSIONS OF THE DATA GAP INVESTIGATIONS

1. Chemicals of Concern (COCs) Adjacent/Under Buildings
   - No COCs under 14 of 15 buildings investigated; only Building 1217 has PAHs under it.
   - No COCs adjacent to buildings; Reduce ~9 target excavation areas
2. Investigate Suspect Rubbish Area
   - Low density rubbish in only 2 of 8 trenches; No COCs or Radium-226
3. Resolve Discrepancies in Historical Data
   - 4 of 5 historical data discrepancies resolved; Eliminate 4 excavation areas
4. Delineate Gateview Arsenic/Petroleum Area
   - Confirmed need for removal action at Buildings 1311 and 1313 area
5. Historical Benzene Detections near Avenue B
   - Confirmed soil gas levels are not above screening criteria

THE NEXT STEP: SOIL AND GROUNDWATER REMOVAL ACTION IN 2015

- **Navy will develop an Action Memorandum and then a Work Plan**
  - **Groundwater in Gateview Arsenic/Petroleum Area**
  - **Soil in Southern Portion of Site 12**

GATEVIEW ARSENIC/PETROLEUM AREA GROUNDWATER REMOVAL ACTION

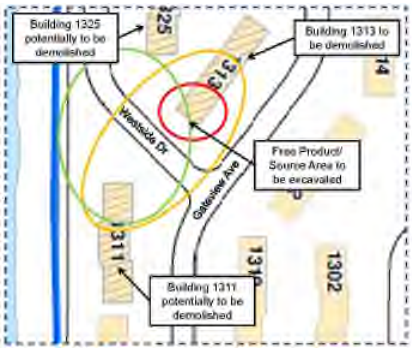


- Approximate High Concentration Area
- Approximate Smear Zone of Petroleum
- Approximate Area of Elevated Arsenic in Groundwater

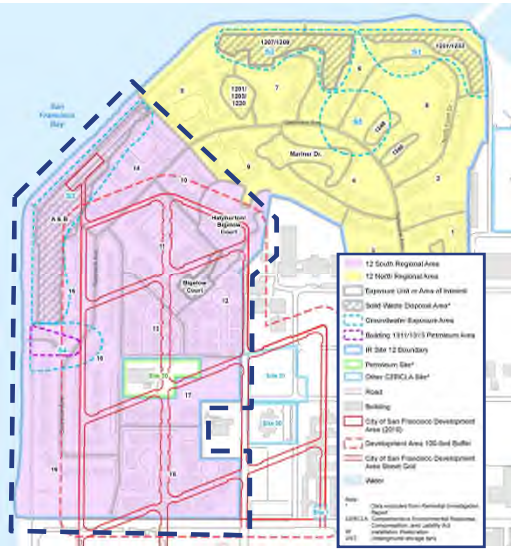
WHY IS THE NAVY DOING A GROUNDWATER REMOVAL ACTION?

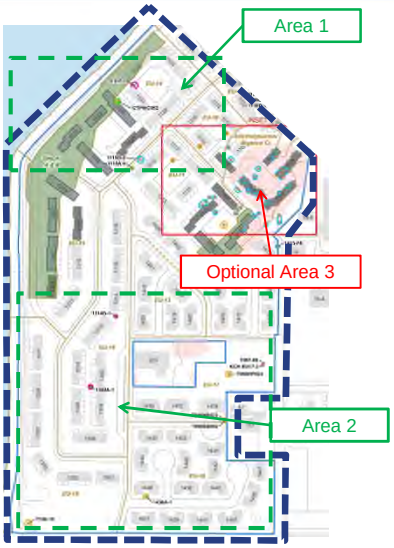
- Potential for dissolved arsenic in groundwater to reach the SF Bay
- Arsenic concentrations not significantly decreasing due to petroleum
- Concentrations of petroleum have not significantly decreased over the past 10 years
- Removing the petroleum source area will improve all subsurface conditions
- Accelerate schedule for ultimate reuse as open space

- Approximate High Concentration Area of Petroleum
- Approximate Smear Zone of Petroleum
- Approximate Area of Elevated Arsenic in Groundwater



SOUTHERN PORTION OF SITE 12 SOIL REMOVAL ACTION



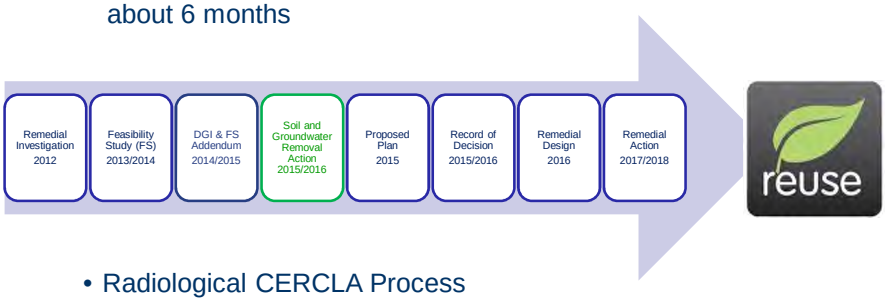


WHY IS THE NAVY DOING A SOIL REMOVAL ACTION?

- Efficiencies in combining with groundwater action
- Small areas with limited disruption to overall neighborhood
- Permanently eliminate underground chemical hazards
- Accelerate schedule for ultimate reuse as open space and residential housing

NEXT STEPS

- Draft Action Memorandum for Soil and Groundwater Removal Action – March 2015
- Anticipate Fieldwork to Begin in Fall 2015 and last about 6 months



- Radiological CERCLA Process
  - Independent & Parallel Path with Feasibility Study, Proposed Plan and Record of Decision

Questions?

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

Item	Document Title & Information	CTO/DO	DRAFT: Draft to Agencies		DRAFT: Agency Comments: Date Due	DTSC	WATER BOARD	TIDA/TICD	RAB	OTHER	Priority Review	RTC: Preliminary RTCs to Agencies		RTC: Resolve and Concur on RTCs		FINAL: Final to Agencies		Comments
	Site 6																	
	ROD/RAP RPM: Bryce Bartelma PM: Dennis Kelly, TriEco-Tt	0038	07/23/14	✓	08/21/14	✓	✓	✓	✓			10/31/14	✓	11/26/14	✓	12/31/14	✓	Final signature on ROD on 12/24/14
1	**Pre-Remedial Design Data Gaps SAP** RPM: Bryce Bartelma PM: Dan Carroll, CE2 Kleinfelder	⋮	01/15/15	✓	02/13/15							03/13/15		03/20/15		03/23/15		
2	**FSS Report** RPM: Louie Cardinale PM: Shanti Montgomery, TtEC	⋮	08/31/15		10/06/15							10/14/15		10/28/15		11/18/15		
3	**RD/RAWP** RPM: Bryce Bartelma PM: Dan Carroll, CE2 Kleinfelder	⋮	07/17/15		08/18/15							09/17/15		10/17/15		11/09/15		
	Site 12																	
4	**Phase III NTCRA Work Plan** RPM: Chris Yantos PM: Ulrika Messer, CB&I	⋮	03/02/15		03/30/15							04/13/15		04/27/15		05/04/15		
5	**Feasibility Study Addendum, Non-SWDA** RPM: Bryce Bartelma PM: Doug Gilkey, KCH	0039	01/29/15	✓	02/27/15							03/19/15		03/27/15		04/20/15		
6	**Action Memo for Removal Actions at Site 12** RPM: Bryce Bartelma PM: Cheryl Martin, TriEco-Tt	0058	03/11/15		04/10/15							05/10/15		06/01/15		07/02/15		
7	**SWDA Bigelow Court FSS Report** RPM: Tony Konzen PM: Ulrika Messer, CB&I	0010	11/11/14	✓	12/19/14	✓	X	✓	✓			02/06/15	✓	02/20/15		02/27/15		
8	**SWDA Bigelow Court PCSR Report** RPM: Tony Konzen PM: Ulrika Messer, CB&I	0010	03/31/15		04/27/15							05/07/15		05/14/15		05/20/15		
	Radiological Housing Scan Completion Report RPM: Chris Yantos PM: Ulrika Messer, CB&I	⋮	11/19/14	✓	12/22/14	✓	X	✓	✓			01/23/15	✓	01/30/15	✓	02/02/15	✓	
	Site 21																	
9	**RACR** RPM: Danielle Janda PM: Kent Huth, TriEco-Tt	0038	09/03/14	✓	10/06/14	✓	✓	✓				11/25/14	✓	01/27/15	✓	02/24/15		Pending Water Board signature
	Site 24																	
10	**PP/Draft RAP** RPM: Danielle Janda PM: Jean Michaels, TriEco-Tt	0038	12/19/14	✓	01/28/15	✓	✓	✓				02/05/15	✓	02/10/15	✓	02/20/15		Public meeting will be on March 11, 2015.
11	**Soil Gas Data Gaps Sampling WP** RPM: Danielle Janda PM: Patrick Hamner, Trevet	⋮	03/16/15		04/15/15							05/15/15		05/29/15		07/10/15		
12	**ROD/RAP** RPM: Danielle Janda PM: Jean Michaels, TriEco-Tt	⋮	05/06/15		06/05/15							07/05/15		08/04/15		09/03/15		
	Site 27																	
	RACR RPM: Bryce Bartelma PM: Hedy Abedy, TtEC	0003	08/01/14	✓	08/29/14	✓	✓	✓	X			11/07/14	✓	11/24/14	✓	12/12/14	✓	
13	**LUC RD Addendum** RPM: Bryce Bartelma PM: Tony Guiang, MMEC	⋮	11/21/14	✓	12/31/14	✓	✓	✓				02/13/15		02/20/15		03/23/15		WB comments received on 2/4/15
	Site 31																	
14	**RACR** RPM: Louie Cardinale PM: John Baur, Gilbane	⋮	03/13/15		04/17/15							05/22/15		06/19/15		07/03/15		
15	**FSS Report** RPM: Louie Cardinale PM: John Baur, Gilbane	⋮	03/20/15		04/20/15							05/20/15		06/17/15		07/01/15		

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

Item	Document Title & Information	CTO/DO	DRAFT: Draft to Agencies		DRAFT: Agency Comments: Date Due	DTSC	WATER BOARD	TIDA/TICD	RAB	OTHER	Priority Review	RTC: Preliminary RTCs to Agencies		RTC: Resolve and Concur on RTCs		FINAL: Final to Agencies		Comments
	YF3																	
16	**SLERA** RPM: Louie Cardinale PM: Katie Henry, TriEco-Tt	0038	07/18/14	✓	08/18/14	✓	✓	✓	✓			12/19/14	✓	02/12/15	✓	03/04/15		
	Groundwater Monitoring																	
	2013 Sites 6, 12, 21, 24 Groundwater Report RPM: Louie Cardinale PM: Greg Alyanakian, Trevet		08/15/14	✓	09/15/14	✓		✓				12/19/14	✓	01/16/15	✓	01/23/15	✓	
17	**2014 Sites 6, 12, 21, 24 Groundwater Report** RPM: Louie Cardinale PM: Greg Alyanakian, Trevet		03/25/15		04/28/15							05/28/15		06/24/15		07/15/15		
	Radiological Reports																	
18	**Radiological Work Plan, Project Areas 1-6 Radiological Surveys (Phase II)** RPM: Danielle Janda PM: Lisa Bercik, CB&I	0012	12/24/14	✓	02/18/15	✓		✓		?		03/05/15		03/18/15		03/26/15		CDPH cmts submitted 2/3/15, however CDPH indicated add'l cmts would be submitted during mtg on 2/11/15.
19	**Site 12 and Selected Roadways Scoping Survey Report** RPM: Danielle Janda PM: John Baur, Gilbane	0006	12/16/14	✓	01/23/15	✓	X	✓				02/20/15		02/27/15		03/13/15		
20	**Radiological Survey Report for Site 32, Bldg 3, and Selected Storm and Wastewater Lines** RPM: Danielle Janda PM: John Baur, Gilbane	0006	03/23/15		04/22/15							05/19/15		06/08/15		06/22/15		Report will be broken into separate reports, pending contract action
21	**1400 Series Radiological Sampling Report** RPM: Danielle Janda PM: Ulrika Messer, CB&I	0012	11/05/14	✓	12/08/14	✓	X	✓				02/09/15		02/24/15		03/03/15		
	Other Reports																	
	2014 Site Management Plan RPM: Dave Clark PM: Marcie Rash, TriEco-Tt	0038	09/24/14	✓	11/18/14	✓	✓	✓				11/25/14	✓	12/09/14	✓	12/23/14	✓	
	First Basewide Five-Year Review RPM: Danielle Janda PM: Tim Mower, TriEco-Tt	0058	10/07/14	✓	11/07/14	✓	X	X	✓			12/02/14	✓	12/08/14	✓	12/15/14	✓	
22	**2014 Finding of Suitability to Lease (FOSL)** RPM: Derek Robinson PM: Dennis Kelly, TriEco-Tt	0058	TBD		TBD							TBD		TBD		TBD		
23	**Sites 21, 27, & 30 LUC Inspection Report** RPM: Danielle Janda PM: Marcie Rash, TriEco-Tt	0058	03/13/15		04/13/15							05/11/15		05/18/15		06/01/15		

✓ Production or review of document is complete.

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

Grey shading indicates the document is finalized.

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

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

Abbreviations:

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

Naval Station Treasure Island
Navy Field Schedule
February - July 2015

Item	Activity and Investigation Area	Field Dates	Navy RPM (Contractor)	Complete
	Site 6			
1	Final Status Survey	Start: 09/29/14 Finish: 05/29/15	Louie Cardinale (Tetra Tech)	
2	Pre-Remedial Design Data Gaps Sampling	Start: 03/13/15 Finish: 03/25/15	Bryce Bartelma (CE2 Kleinfelder)	
	Site 12			
3	Bigelow Court Non-Time Critical Removal Action	Start: 04/07/14 Finish: 10/29/14	Tony Konzen (CB&I)	Completed except for backfill
4	Phase III Non-Time Critical Removal Action	Start: 04/10/14 Finish: 09/09/16	Chris Yantos (CB&I)	
	Site 24			
5	Data Gaps Investigation	Start: 07/13/15 Finish: 07/12/16	Danielle Janda (Trevet)	
	Other			
6	Radiological Surveys of Various Areas Project Areas 1-6 (Phase II)	Start: 03/27/15 Finish: 06/09/15	Danielle Janda (CB&I)	

Abbreviations:

✔	Field work is complete.
RPM	Remedial project manager
SWDA	Solid waste disposal area
TBD	To be determined

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

Grey shading indicates field activities are complete.