



TETRA TECH INC.

July 26, 2016

Dear RAB Members,

On behalf of the Navy, enclosed please find the October 21, 2015 final RAB meeting minutes for your information and records.

If there are any questions regarding the enclosed minutes, please contact Carolyn Hunter at (916) 853-4556 or [Carolyn.hunter@tetrattech.com](mailto:Carolyn.hunter@tetrattech.com).

Sincerely,

Carolyn Hunter  
Community Relations Specialist  
Tetra Tech Inc.

**FINAL**  
**MEETING MINUTES**  
**RESTORATION ADVISORY BOARD**  
**INLAND AREA ENVIRONMENTAL RESTORATION PROGRAM**  
**FORMER NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD**  
**CONCORD, CALIFORNIA**  
**OCTOBER 21, 2015**

These minutes reflect general issues raised, agreements reached, and action items identified at the Restoration Advisory Board (RAB) meeting for the Inland Area Environmental Restoration (ER) Program at the former Naval Weapons Station Seal Beach Detachment Concord (NWS Concord), California. The meeting was held from 6:00 p.m. to 7:30 p.m. on October 21, 2015, at the Clyde Clubhouse in Clyde, California. Agreements and action items are described by topic under Sections I through V and are summarized in Section VI. A list of participants and their affiliations is included as Attachment A, and the meeting agenda is included as Attachment B. Handouts from the meeting also are included as attachments to these minutes.

**I. WELCOME, INTRODUCTIONS, PUBLIC COMMENTS, AND AGENDA APPROVAL**

**Welcome and Introductions**

Shon Wolf (Interim Community RAB Co-Chair) called the RAB meeting to order at 6:00 p.m. and initiated introductions for all attendees. Mr. Wolf reviewed the meeting agenda and asked if there were any changes. No changes to the RAB agenda were provided.

**Public Comments**

Mr. Wolf opened the floor to public comments. No public comments were offered.

**RAB Meeting Minutes**

Scott Anderson (Navy RAB Co-chair) reviewed the action items from the meeting on April 1, 2015:

**Mr. Anderson will make sure future information for the RAB meetings is current on both the Navy and City of Concord websites:** Mr. Anderson said there have been technical difficulties with the Navy's website recently so he was not able to post the information for the October 21, 2015 RAB meeting. This action item is ongoing and Mr. Anderson will make sure former NWS Concord RAB meeting information is added to both the Navy and City of Concord websites in the future.

**Edi Birsan (Concord resident) will send a request to Mr. Anderson for Navy approval to use a drone to take aerial photographs of the base:** Mr. Anderson said he did not receive a request from Mr. Birsan after the April 1, 2015 RAB meeting. If Mr. Birsan sends a request, Mr. Anderson will work to accommodate his needs.

**The Navy will finalize the July 9, 2014, RAB meeting minutes:** Mr. Anderson confirmed this action item was completed.

Mr. Anderson said the April 1, 2015, RAB meeting minutes have been submitted for review and asked if there are any comments. The RAB agreed to finalize the draft April 1, 2015, meeting minutes. Mr. Anderson said the Navy will finalize the minutes for the meeting on April 1, 2015.

### **Action Items**

1. Mr. Anderson will make sure future information for the RAB meetings is current on both the Navy and City of Concord websites.
2. The Navy will finalize the April 1, 2015, RAB meeting minutes.

## **II. ANNOUNCEMENTS**

### **RAB Announcements/Comments**

Mr. Wolf asked if there were any RAB announcements or comments. No RAB announcements or comments were provided.

## **III. REMEDIAL PROJECT MANAGERS (RPM) UPDATE**

### **Navy Update**

The Navy's RPM update handout is included as Attachment C. Mr. Anderson announced that Valerie Harris (Navy RPM) was promoted to a Lead RPM for another BRAC Program Management Office (PMO) West team and will be leaving the former NWS Concord team. Mr. Anderson introduced Kyle Olewnik (Navy RPM) and said she will be taking on Sites 22 and 22A since Ms. Harris is transitioning off of former NWS Concord.

Mr. Anderson said the Navy issued two feasibility studies, for the Former Inland Burn Area and the Bermed Area, which are in regulatory agency review.

Mr. Anderson announced the Site 22A Record of Decision (ROD) was finalized and signed by the regulatory agencies. The next step for Site 22A will be to draft the land use control (LUC) remedial design in preparation for the first phase of property transfer. Mr. Anderson said the proposed LUCs for Magazine Groups 3 and 5 at Site 22A will be acceptable for the future reuse of open space. Mr. Wolf asked if East Bay Regional Park (EBRP) had comments on the Site 22A ROD and proposed LUCs. Mr. Anderson said EBRP has reviewed all of the Navy's reports for the property and have been part of the discussions with the regulatory agencies. Guy Bjerke (City of Concord) said the redevelopment plans for former NWS Concord show the area as open space which will be parkland indefinitely. Mr. Bjerke said there will be a master planning meeting on November 19, 2015 with the City of Concord, the Navy, and the Department of Interior to discuss the EBRP parcel which is slated for transfer in January 2017. Mr. Wolf asked if there can be tree planting prior to the official transfer of the EBRP parcel to get a head start on the park development. Mr. Anderson said that until the property is officially transferred, no redevelopment activities including planting trees can be done.

Mr. Anderson said the biological trapping season for California Tiger Salamander (CTS) is coming up during wet weather. During storm events, the traps are checked daily and any CTS that are found are relocated into areas where there is no field work being conducted.

#### **Department of Toxic Substances Control (DTSC) Update**

Jim Pinasco (DTSC) said he has been reviewing all of the documents the Navy has issued. Mr. Pinasco has been attending all of the project meetings with the Navy and the regulatory agencies to move all of the site work along.

#### **IV. CITY OF CONCORD REDEVELOPMENT UPDATE**

Mr. Bjerke thanked the RAB for their interest in the redevelopment of former NWS Concord. Mr. Bjerke said he will continue to provide updates to the RAB as the City of Concord moves forward in the redevelopment process. Mr. Bjerke said the City of Concord has delayed selecting the master developer for former NWS Concord until January 2016. There have been some unexpected delays the City of Concord needs to address prior to making the master developer selection. There have been allegations from the companies that are applying to be the master redeveloper of former NWS Concord that will require investigation prior to making a selection. Mr. Bjerke said the position of the City of Concord's attorney needs to be filled prior to an investigation being conducted. Mr. Bjerke said once the City of Concord determines an interim attorney who can conduct an investigation, a plan for selecting a master developer can be prepared. The earliest that these steps can be made is January 2016. Once the master developer is brought on board, the City of Concord and the Navy can solidify the transfer schedule.

Mr. Bjerke said there are portions of the base that have been selected for public conveyance including the park and areas for the Contra Costa County sheriff and fire departments for training purposes. Mr. Bjerke said there are also areas within the administrative area of the base that will be temporarily leased to manufacturers including Honda to test autonomous (self-driving) cars. The City of Concord will be making improvements to the Willow Pass Road access gate to former NWS Concord to assist with ease of property access which will not impact the U.S. Army's portion of the base. Mr. Bjerke said the City of Concord is working with the Army to determine what is best for access to the former NWS Concord portion of the base.

Hope Johnson (Concord resident) asked who is responsible for paying the costs for the Willow Pass access gate modifications. Mr. Bjerke said for the interim the gate modifications will be paid for by the Land Reuse Authority (LRA), the master developer, and Honda. Mr. Bjerke said that since the testing lease Honda has is short term, the LRA cannot hold them responsible to pay for all of the Willow Pass Road gate modification costs. Once the City of Concord owns the former NWS Concord property, the cost responsibilities may be modified. Mr. Anderson said the Navy provided some short leases through February 2016 to the Contra Costa County Sheriff's Department for training purposes prior to the transfer of property.

Suzanne Delbou (Concord resident) asked when the City of Concord plans to have all of the investigation of the master developer allegations completed. Mr. Bjerke said the Concord City Council will need to hire an attorney prior to conducting the investigation into the allegations

which most likely will delay the project until January 2016 at the earliest. The investigation report will be issued to the City Council and then out for public comment prior to anything moving forward in the selection of a master developer. Mr. Bjerke said he will provide information to the RAB as things develop.

Cindy Welles (Clyde resident) asked if the former U.S. Coast Guard (USCG) housing area could be considered for future use to house homeless veterans. Mr. Bjerke said the housing is inhabitable and there are considerations being made by the USCG to surplus the property.

Mr. Bjerke said the RAB can contact him at [Guy.Bjerke@cityofconcord.org](mailto:Guy.Bjerke@cityofconcord.org) or (925) 671-3076 if they have questions on the progress of redevelopment of former NWS Concord.

## **V. GUAM WAY UPDATE**

Dave Darrow (Navy RPM) provided an update on Guam Way. The presentation slides are included as Attachment D.

Rod Schuman (Clyde resident) asked how long the microbes injected into the groundwater will last. Mr. Darrow said the microbes are naturally occurring but injected at high volumes to consume the tetrachloroethene (PCE). Once the food source is gone, the microbes will die.

Ms. Welles asked if this is the same material being injected at Site 29. Ms. Harris said the microbes are different at Site 29 because they are addressing trichloroethene (TCE) instead of PCE. Ms. Johnson asked if there is heat being applied at Guam Way during the injection of microbes. Ms. Harris said the heat is used at Site 29 due to the soil being dry. Guam Way does not need a heat element to get the microbes injected.

Beth Byrne (Concord resident) asked if the Guam Way groundwater plume is from the dump site. Mr. Darrow confirmed the groundwater plume is from the dump site. Ms. Byrne asked if there is concern that the groundwater plume is going into the creek. Mr. Darrow said the creek is a good distance from Guam Way and is not impacted by groundwater contamination.

## **VI. OTHER TOPICS, NEXT MEETING, AND ACTION ITEMS**

Ms. Delbou asked who is responsible if after the property is transferred to the City of Concord, contamination from past Navy use is found. Mr. Anderson said the Navy is responsible to come back and address any contamination found in the future that is from their historic use of the property. The regulatory agencies will continue to be involved in the project after transfer and will ensure everything is addressed correctly. Mr. Anderson said the Navy is responsible for conducting a five-year review on every property that has LUCs or a remedy in place after the property is transferred which will make sure that it is protective. Mr. Pinasco said the regulatory agencies are involved and provide input to the LRA on the redevelopment plans to ensure they are consistent with the cleanup levels the Navy has used.

Ms. Delbou asked for a status of the response to comments (RTC) from the October 2014 Environmental Impact Study (EIS) public meeting the Navy hosted. Mr. Anderson said he will

find out the status of the RTC on the EIS and provide the RAB an update. Mr. Bjerke said there has been a delay on the RTC due to input needed from various agencies on the EIS.

**Action Item**

3. Mr. Anderson will find out the status of the RTC on the EIS and provide the RAB an update.

Mr. Anderson said the next RAB meeting for NWS Concord is tentatively scheduled for Wednesday, January 6, 2016. Mr. Anderson thanked everyone for their attendance and concluded the RAB meeting. This list of action items was established at the October 21, 2015, RAB meeting:

<b>No.</b>	<b>Action Item</b>	<b>Responsible Person</b>	<b>Target Date for Completion</b>	<b>Completion Date (or Status)</b>
1.	Mr. Anderson will make sure future information for the RAB meetings is current on both the Navy and City of Concord websites.	S. Anderson	Ongoing	An update will be provided at the next RAB meeting.
2.	The Navy will finalize the April 1, 2015, RAB meeting minutes.	C. Hunter	10/30/15	This action item was completed.
3.	Mr. Anderson will find out the status of the RTC on the EIS and provide the RAB an update.	S. Anderson	1/6/16	An update will be provided at the next RAB meeting.

**ATTACHMENT A**  
**ATTENDEES AND AFFILIATIONS**  
**RESTORATION ADVISORY BOARD MEETING**  
**FORMER NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD**

**OCTOBER 21, 2015**

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**ATTACHMENT B**

**AGENDA  
RESTORATION ADVISORY BOARD MEETING  
FORMER NAVAL WEAPONS STATION SEAL BEACH  
DETACHMENT CONCORD, CALIFORNIA**

**OCTOBER 21, 2015**

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INLAND AREA AGENDA  
FORMER NAVAL WEAPONS STATION SEAL BEACH  
DETACHMENT CONCORD INLAND AREA  
RESTORATION ADVISORY BOARD (RAB) MEETING

Wednesday, October 21, 2015

6:00 p.m. – 8:00 p.m.

Location: Clyde Clubhouse

109 Wellington Avenue

Clyde, CA 94520

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- 6:00 – 6:10 Call to Order
- Welcome
  - Introductions/Agenda Review
  - Public Comment Period
- Lead: Community Co-chair
- 6:10 – 6:20 Announcements
- Review of Action Items from April 2015 RAB meeting and approve the minutes.
- Lead: Navy Co-chair
- 6:20 – 6:35 Committee Reports/Announcements
- RAB Announcements, Reports or other business (Community Co-chair)
  - RAB Open Comment Period
  - Remedial Project Managers' (RPM) Update (Navy/EPA/DTSC/WB)
- 6:35 – 7:25 City of Concord Update  
City Manager: Michael Wright
- 7:25 – 7:55 Guam Way Groundwater Treatability Study Update  
Navy RPM: Dave Darrow
- 7:55 – 8:00 Meeting Evaluation and Topic Suggestions of Future 2016 Meetings

**2016 Tentative RAB Meeting Dates**

- Wednesday, January 6, 2016
- Wednesday, April 6, 2016
- Wednesday, July 6, 2016
- Wednesday, October 5, 2016

8:00 Adjourn

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*NAVWNPSTA CONCORD RAB Meetings are held the first Wednesday of the month on a quarterly basis, unless changed.*

*Information regarding the Environmental Restoration program at Former Naval Weapons Station Seal Beach Detachment Concord Inland Area can be found at:*

[http://www.bracpmo.navy.mil/brac\\_bases/california/nws\\_seal\\_beach\\_concord.html](http://www.bracpmo.navy.mil/brac_bases/california/nws_seal_beach_concord.html)

*Navy RAB Co-Chair: Mr. Scott Anderson (619) 524-5808 or [scott.d.anderson@navy.mil](mailto:scott.d.anderson@navy.mil)*

*Community RAB Co-Chair: Ms. Mary Lou Williams, (925) 685-1415*

**ATTACHMENT C  
NAVY REMEDIAL PROJECT MANAGERS' UPDATE  
RESTORATION ADVISORY BOARD MEETING  
FORMER NAVAL WEAPONS STATION SEAL BEACH  
DETACHMENT CONCORD, CALIFORNIA**

**OCTOBER 21, 2015**

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***Navy Remedial Project Manager (RPM) Update for October 21, 2015  
Former Naval Weapons Station Seal Beach Detachment Concord***

Summary of Navy Base Realignment and Closure (BRAC)

Inland Area RPM activities since the last RAB update on

Wednesday, April 1, 2015

**Installation Restoration and Munitions Response Programs Sites**

- April 13, 2015 – The Draft Technical Memorandum for Supplemental Groundwater Investigation at Eagles Nest EOD was issued.
- May 28, 2015 – The Navy held an RPM meeting to discuss agency comments on the Draft Preliminary Assessment/Reverification Investigation report.
- June 2015 – The Navy performed post-injection groundwater sampling at Guam Way and installed an additional groundwater well.
- June 9, 2015 – The Navy held an RPM meeting to discuss Site 29.
- June 25, 2015 – The RPMs held a meeting to discuss Site 41.
- June 10, 2015 – The RPMs held an update meeting.
- July 2015 – The Navy performed groundwater monitoring at Site 29 and SWMUs 2, 5, 7, and 18.
- July 8, 2015 – The RPMs held a site-wide update meeting via teleconference.
- July 17, 2015 – The Navy issued the Draft Work Plan for Remedial Investigation at Site 42.
- August 5, 2015 – The Navy issued a Draft Work Plan for the Runway Debris Area.
- August 7, 2015 – The Draft Feasibility Study (FS) for the Former Inland Burn Area (FIB) was issued.
- August 27, 2015 – The Draft FS for the Bermed Area was issued.
- September 15, 2015 – The RPMs held an update meeting to discuss Site 29.
- September 16, 2015 - The RPMs held an update teleconference.
- September 22, 2015 – The RPMs held a site tour and discussion of the Feasibility Studies at the Bermed Area and Former Inland Berm Area.
- September 23, 2015 – The RPMs held a meeting to discuss the Guam Way site.
- October 8, 2015 – The Final Record of Decision for Site 22A was issued.
- October 5, 2015 – The Navy mobilized to the field for additional Non Time Critical Removal Actions for Site 24A.

- October 15, 2015 – The Navy initiated trapping activities for the California Tiger Salamander and Red-legged frog at Eagle’s Nest, Rocket Practice Area, IA-100 North, IA-100 West and Site 24A. Trapping will continue on rainy days through March 2016.
- October 20, 2015 – Navy turned off the Soil Vapor Extraction system at Site 29.
- October 21, 2015 – The RPMs held an update meeting at former NWS Concord.

**Acronyms**

BRAC – Base Realignment and Closure Commission

EOD – Explosive Ordnance Disposal

FS – Feasibility Study

RAB – Restoration Advisory Board

RPM – Remedial Project Managers

ROD – Record of Decision

**ATTACHMENT D**

**GUAM WAY UPDATE  
RESTORATION ADVISORY BOARD MEETING  
FORMER NAVAL WEAPONS STATION SEAL BEACH  
DETACHMENT CONCORD, CALIFORNIA**

**OCTOBER 21, 2015**

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## Guam Way (UXO 11)



### Guam Way (UXO 11) Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California



Former NWS Seal Beach Detachment Concord

October 21, 2015

## Site Location



- **Guam Way (UXO 11) is located within the Inland Area of former Naval Weapons Station Seal Beach Detachment Concord, Concord, California.**



- **The site is located approximately 600 feet southeast of the intersection of Guam Way Road and Tarawa Way.**

Former NWS Seal Beach Detachment Concord

October 21, 2015

## Background and History



- The site was identified through the review of historical aerial photographs.
- An area of disturbed soil is evident in historical photographs, with an apparent graded access drive in the center of the area.
- It appeared that the area was used for disposal activities from at least 1946 to 1948 (disturbed area no longer visible in 1949 photograph).



Former NWS Seal Beach Detachment Concord

October 21, 2015

## Investigation History



### 2010 – Preliminary Assessment (PA) / Site Inspection (SI) Work Plan:

Based on the soil berms and the central drive (access road) visible in historical photos, it appeared that the Guam Way site may have been used for storage and/or disposal activities. If the site was used for these types of activities, potential contaminants may have been released and may have impacted soil and/or groundwater at the site.

### 2010 - 2011 – Site Inspection:

SI field activities, including the collection of soil, soil gas, and groundwater samples, were conducted to evaluate if material potentially presenting an explosive hazard (MPPEH) was buried at the site or if a chemical release had impacted soil, soil gas, and/or groundwater.

Buried debris, including munitions, was encountered at the site during trenching and sampling activities and confirmed the presumed use as a disposal site. In addition, volatile organic compounds (VOCs) in groundwater exceeding screening levels were identified.

Former NWS Seal Beach Detachment Concord

October 21, 2015

## Investigation History



### **2012 - 2013 – Time Critical Removal Action (TCRA):**

The TCRA was conducted to excavate the subsurface debris to remove the potential for contamination to surrounding soil, soil gas, or groundwater from the buried debris.

### **2013 - 2014 – Remedial Investigation (RI):**

The objective of the RI was to determine the nature and extent of chemicals of concern (COCs) in soil, soil gas, and groundwater at and in the vicinity of the site associated with the former disposal activity and the associated presence of buried debris and waste.

The RI field activities included:

1. Soil investigation (32 locations)
2. Grab groundwater sample collection (20 locations using a CPT rig)
3. Monitoring well installation and groundwater sampling (11 wells)
4. Soil gas investigation (16 locations)

Former NWS Seal Beach Detachment Concord

October 21, 2015

## Results of the Remedial Investigation



VOCs, primarily chlorinated ethenes (CEs), were detected in soil, soil gas, and groundwater during the RI.

- The highest concentrations of CEs detected in soil were PCE, TCE, and cis-1,2-DCE at three adjacent sampling locations at depths between 7 and 20 feet. The pattern of detection indicates that VOCs in soil are localized.
- Concentrations of CEs in soil gas, generally coincide with the impacts identified in soil and groundwater during the RI.
- Elevated concentrations of CEs, primarily PCE, TCE, and cis-1,2-DCE, were identified in groundwater beneath the site.
- CEs have migrated with groundwater flow to the north-northwest, approximately 250 feet downgradient of the localized CE impacts to the vadose zone soils.

Former NWS Seal Beach Detachment Concord

October 21, 2015

# Treatability Study



## Overview

The treatability study is being conducted to assess the viability of Enhanced In Situ Bioremediation (EISB) as an in situ treatment option for remediating PCE and daughter products (TCE, 1,2-DCE, and VC) in groundwater at the site.

In situ treatment is anticipated to degrade the CEs in groundwater at the site and reduce potential threats to human health and the environment.

The treatability study involves injection of an electron donor and bioaugmentation culture (collectively referred to as the “amendment”) into the groundwater. The amendment was injected via high-pressure direct push injection (HPDPI).

Former NWS Seal Beach Detachment Concord

October 21, 2015

# Treatability Study



## Objectives

The primary objectives of the treatability study are to obtain data to evaluate the implementability and effectiveness of reductive biotreatment for remediating PCE and daughter products in groundwater at the site.

Injectability and effectiveness evaluations are intended to yield the following information:

**Injectability Evaluation:** Obtain an understanding of the quantity of injectate (amendment and water) that can be introduced into the formation, and the time required to do so.

**Effectiveness Evaluation:** Assess the treatment process in terms of distribution (i.e., how far does the amendment travel and did the bioaugmentation culture survive?) and the ability to treat the chemicals of concern (i.e., are CE concentrations decreasing?).

Former NWS Seal Beach Detachment Concord

October 21, 2015

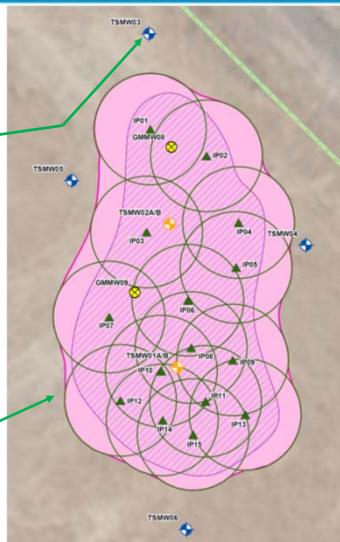
## Treatability Study Activities – April 2015



Installation of the performance monitoring well array used to assess the effectiveness of the EISB approach in reducing concentrations of CEs. Wells were installed (i) upgradient; (ii) downgradient; (iii) crossgradient; and (iv) within the treatment area.

**Injection activities:** Injection volumes ranged from 581 gallons to 1,000 gallons per well. In total, 12,970 gallons of injectate were injected at 15 locations.

The treatability study treatment area targeted the highest CE concentrations within the groundwater plume (covering an area of ~3,900 square-feet).



Former NWS Seal Beach Detachment Concord

October 21, 2015

## Performance Monitoring



Groundwater samples were collected from wells within the performance array:

- (1) Prior to amendment injection (April 2015, referred to as “baseline”);
- (2) Approximately 30 days following injections (June 2, 2015); and
- (3) Approximately 90 days following injections (July 30, 2015).

The post-injection performance monitoring data is used to evaluate the treatability study objectives in terms of primary, secondary, and tertiary criteria.

**Primary Evaluation Criteria:** Contaminant Assessment Results for PCE, TCE, cis-1,2-DCE and VC in groundwater provide the primary means to evaluate the effectiveness of treatment at the site and monitor potential contaminant migration.

**Secondary Evaluation Criteria:** The observed presence of the amendments in groundwater samples will provide the secondary means for evaluating treatment effectiveness: TOC, ferrous iron, Dhc, and VFAs. These will be used to assess the distance from an injection point to which amendment was delivered, and whether the bioaugmentation culture survived and the electron donor is being metabolized as expected.

Former NWS Seal Beach Detachment Concord

October 21, 2015

# Performance Monitoring Results



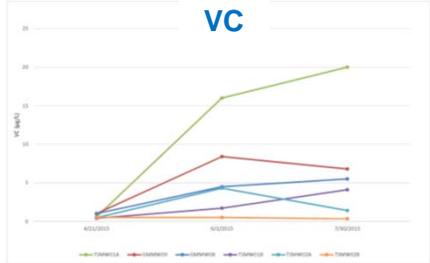
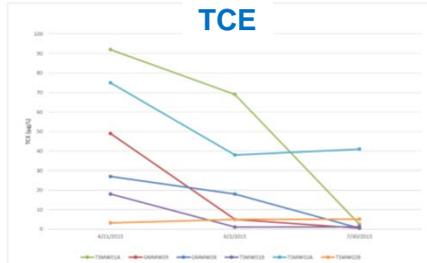
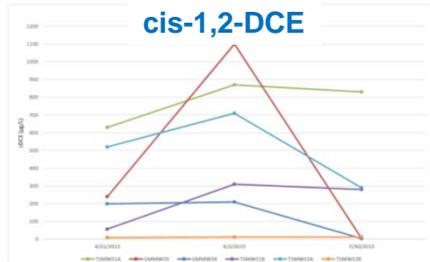
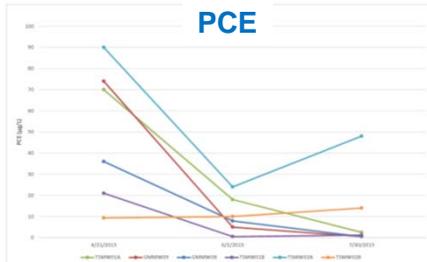
**PRIMARY EVALUATION CRITERIA:**

Decreases in PCE and TCE, coupled with an increase in cis-1,2-DCE and VC were observed at most locations. Both cis-1,2-DCE and VC are expected to initially increase, followed by a subsequent decrease. Some wells are already showing a decrease of cis-1,2-DCE and VC. Additionally, the data indicate that there is no contaminant migration, as there is no increase in COCs for downgradient wells.

Former NWS Seal Beach Detachment Concord

October 21, 2015

# Performance Monitoring Results



Former NWS Seal Beach Detachment Concord

October 21, 2015

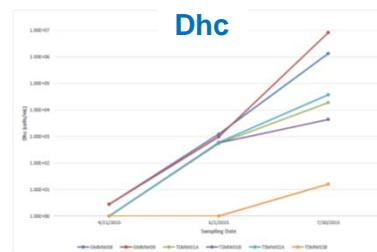
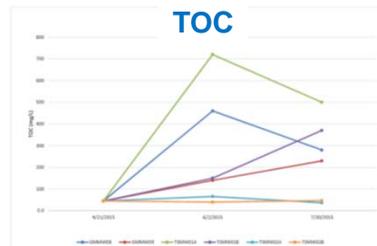
## Performance Monitoring Results



### SECONDARY EVALUATION CRITERIA:

Post-injection data indicate TOC and ferrous iron are present at elevated concentrations at the majority of monitoring locations within the treatment area. This indicates that the amendment has been adequately distributed throughout the injection area (ferrous iron is a component of the amendment).

In addition, Dhc counts in the monitoring wells located within the treatment area all show an increasing trend, and most exceed  $1.0E+04$  cells per milliliter. This indicates that the Dhc has been adequately distributed throughout the treatment area, and that the Dhc is thriving.



Former NWS Seal Beach Detachment Concord

April 27, 2012

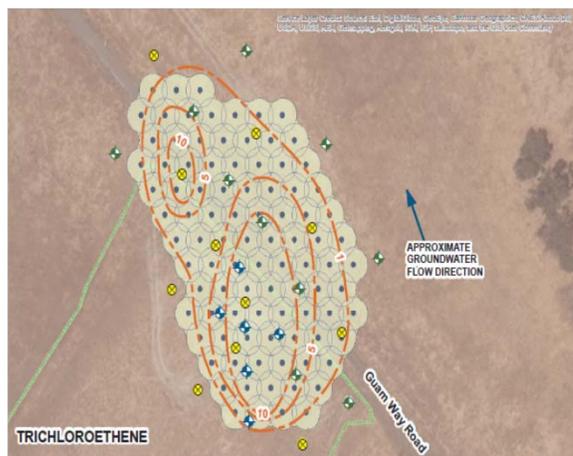
## Treatability Study Expansion



### Purpose and Objective of Treatability Study Expansion

The purpose of the Expanded Treatability Study is to increase the Treatability Study treatment area to encompass the entire area of groundwater with concentrations of CEs above cleanup goals.

The primary objective of the TS expansion is to evaluate the effectiveness of EISB over the larger area of groundwater impact, and in areas of lower total contaminant levels.



Former NWS Seal Beach Detachment Concord

October 21, 2015

## Schedule



<b>Well Installation</b>	<b>October 2015</b>
<b>Baseline Sampling</b>	<b>October 2015</b>
<b>Injection Activities</b>	<b>November 2015</b>
<b>Progress Monitoring</b>	<b>December 2015 – March 2017</b>
<b>Draft Technical Memorandum</b>	<b>June 2017</b>

## Conclusion



**QUESTIONS?**