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NCBC DAVISVILLE
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85TH RESTORATION ADVISORY BOARD MEETING HELD ON 19 MARCH 2015 AT THE
QUONSET DEVELOPMENT CORPORATION CONFERENCE CENTER NCBC DAVISVILLE
RI (PUBLIC DOCUMENT)
03/19/2015
RESOLUTION CONSULTANTS

85th RESTORATION ADVISORY BOARD MEETING
FORMER NAVAL CONSTRUCTION BATTALION CENTER DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND
NOTES FROM THE 19 MARCH 2015 MEETING

The 85th Restoration Advisory Board (RAB) meeting was held at the Quonset Development Corporation (QDC) Conference Center at 95 Cripe Street in North Kingstown, Rhode Island. The meeting agenda for the 85th RAB is included as [Attachment A](#). The attendance list for the 85th RAB is included as [Attachment B](#). D. Barney, the Navy's BRAC Environmental Coordinator, convened the meeting at approximately 7:15 PM on 19 March 2015.

NEXT RESTORATION ADVISORY BOARD MEETING

The next RAB meeting will be held on 17 September 2015 at 3:30 PM at the QDC Conference Center. The Navy will send out postcards prior to the next RAB meeting reminding the public of the date, time, and location of the next meeting.

LONG-TERM MONITORING UPDATES

Robert Shoemaker (Resolution Consultants) gave a brief update regarding the long-term monitoring program (LTMP) for the NCBC Davisville sites:

- Field work for Allen Harbor Landfill (Site 09) monitoring event (ME) 43 and Calf Pasture Point (Site 07) ME 18 was completed in the fall of 2014.
- The data have been received and validated. A summary report for each site is in progress. The draft report for Site 07 ME 18 is due to the agencies on April 15, 2015, the draft data report for Site 09 ME 43 is due to the agencies on May 15, 2015.
- Based on the field event and analytical data available to date, no significant changes were observed or detected during ME 43/18. It is anticipated that the summary reports will be published in late summer/fall 2015.
- The next MEs for Sites 07/09 are scheduled for the fall of 2015.

CED AREA UPDATE

D. Barney gave a slide presentation on the CED Area Fall 2014 field investigation that covered ([please see slides presented in Attachment C](#)):

- Updates on the data validation and reporting activities since the completion of the Fall 2014 field investigation
- Next steps for the CED Area.

RIDEM does not believe the TPH will be a problem at the CED area, but stated they wished the investigation had included sampling for lead. A draft Technical Memorandum (TM) for the Fall 2014 investigation is being reviewed by the Navy. Once final, the TM will be a supplement to the overall risk assessment. The Focused Feasibility Study (FFS) is delayed due to the disagreement over the need and approach to further investigate the geophysical anomalies identified in the drum removal area. S. King asked when the work will be complete. D. Barney explained the Navy is hoping that the investigation of the geophysical anomalies can occur in parallel to finalizing the FFS. R. Gottlieb asked what will happen if something is identified during the geophysical investigation? D. Barney explained that this is the risk with the proposed approach. S. King asked what the impact of an alternate approach would be on the overall schedule. D. Barney explained that the Navy would need to get one of their contractors under contract to perform additional investigation, and then the contractor would need to draft a work plan and implement the field investigation.

NAVY PRESENTATION: ENVIRONMENTAL REMEDIATION AT SITE 16

Derek Pinkham, Tetra Tech EC, provided an overview of the remediation currently being completed at Site 16 that covered ([please see slides presented in Attachment D](#)):

- Site 16 Overview
- Record of Decision (ROD) Summary
- Public Involvement
- Land Use Controls
- Soil Removal Action
- Groundwater Remedial Action
- Monitored Natural Attenuation
- 5 Year Reviews
- Green Remediation

S. King requested that the temporary fencing be used to delineate the removal and ISCO work areas and informed the participants that the Navy Air Show in will take place on May 30 and 31, with practice on May 29.

D. Barney and S. King discussed the need to do a presentation at the Allen Harbor Boating Association that covers the scope, schedule, and logistics of the upcoming clearing/grubbing and soil removal work prior to the start of work.

Tonight's meeting concluded at approximately 8:15 PM.

ATTACHMENT A

MARCH 19, 2015 RAB AGENDA



AGENDA

FORMER NCBC DAVISVILLE

85th Restoration Advisory Board (RAB) Meeting

Date: March 19, 2015

Time: 7:00 P.M.

Location: 95 Cripe Street, North Kingstown, Rhode Island

RAB Meetings – Next Meeting Date

Long-Term Monitoring Program Updates

- Site 09: Allen Harbor Landfill
- Site 07: Calf Pasture Point

CED Area Update

Navy Presentation: Environmental Remediation at Site 16

ATTACHMENT B

SIGN IN SHEET

ATTACHMENT C

CED AREA UPDATE, MARCH 19, 2015



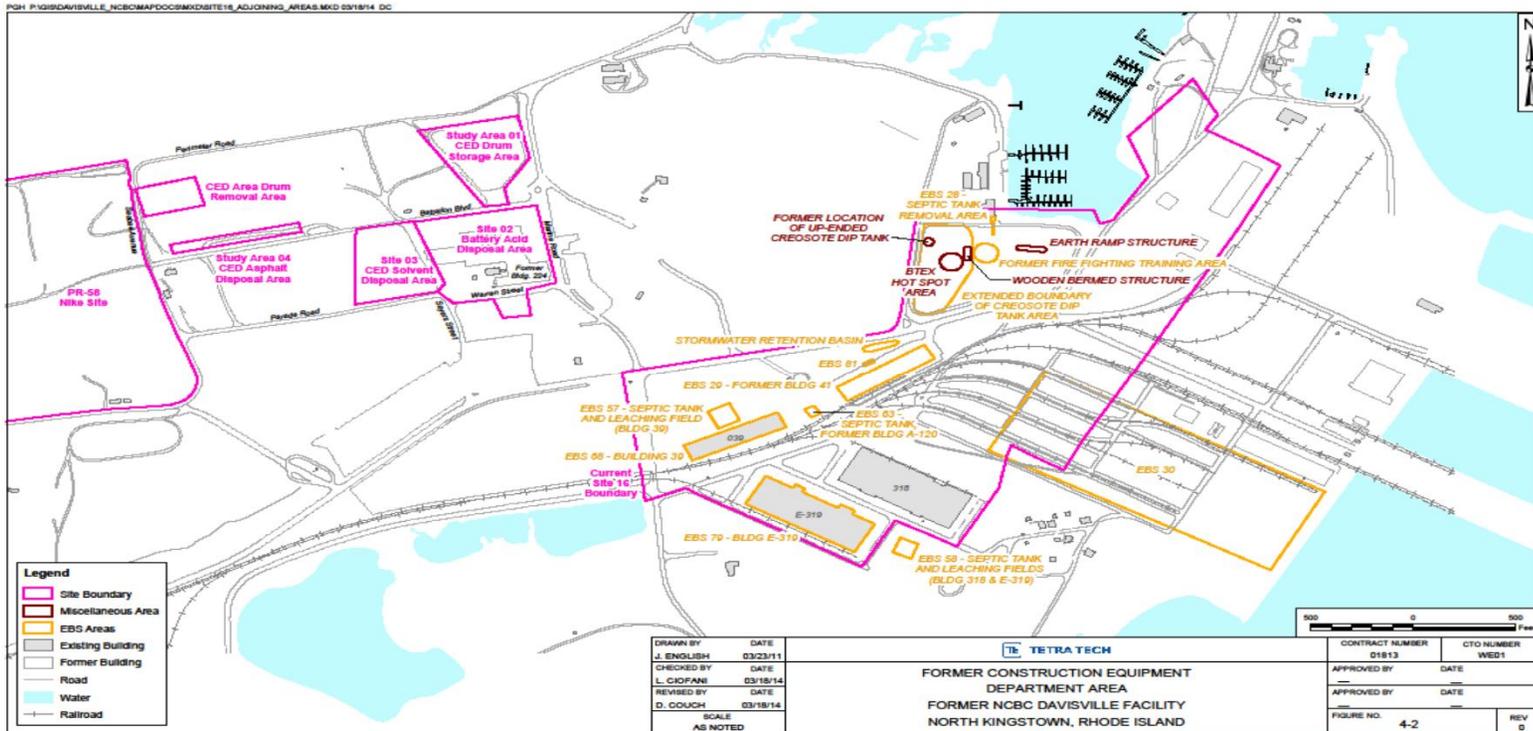
UPDATE FOR FORMER CONSTRUCTION EQUIPMENT DEPARTMENT (CED) AREA

RESTORATION ADVISORY BOARD MEETING:
MARCH 19, 2015

Former NCBC Davisville
North Kingstown, Rhode Island



Former CED Area Location





UPDATE



- *Data gathered during Fall 2014 field investigation has been validated (i.e., data quality review performed).*
- *Draft Technical Memorandum (TM) prepared providing results (including risk assessment [RA] of all data collected.)*
- *Draft Focused Feasibility Study (FFS) prepared for all 5 CED sub-areas.*
- *Navy is currently reviewing TM, RA, and FFS.*



Next Steps for CED Area



- *Navy/EPA/RIDEM reviews of Draft Technical Memorandum, Risk Assessments and Focused Feasibility Study.*
- *Resolution of any outstanding comments/issues.*
- *Preparation of Proposed Plan/Record of Decision for the CED Area sites.*

ATTACHMENT D

SITE 16 REMEDIAL ACTION UPDATE



TETRA TECH EC, INC

Site 16 Remedial Actions

**85th Restoration Advisory Board
(RAB) Meeting**

March 19, 2015

Presented by:

Derek Pinkham

Tetra Tech EC, Inc.

SITE 16 OVERVIEW

- Site 16, the Creosote Dip Tank, Fire-Fighting Training Area (FFTA) and Former Building 41, also known as Operable Unit (OU) 9.
- Elevated levels of PAHs, dioxins/furans, arsenic and lead in the soil.
- Elevated concentrations of VOCs, naphthalene and metals in groundwater.

RECORD OF DECISION (ROD) SUMMARY

- Signed by the Navy on June 11, 2014.
- Presented the selected remedy for Site 16.
 - Excavation and off-site disposal of soil in the North Central Area and adjacent to the marina building.
 - Focused in-situ treatment of groundwater at the eastern edge of former Building 41.
 - Monitored Natural Attenuation (MNA) of residual groundwater plume and long term monitoring of groundwater until Remedial Goals are achieved.
 - Implementation of Land Use Controls (LUCs).

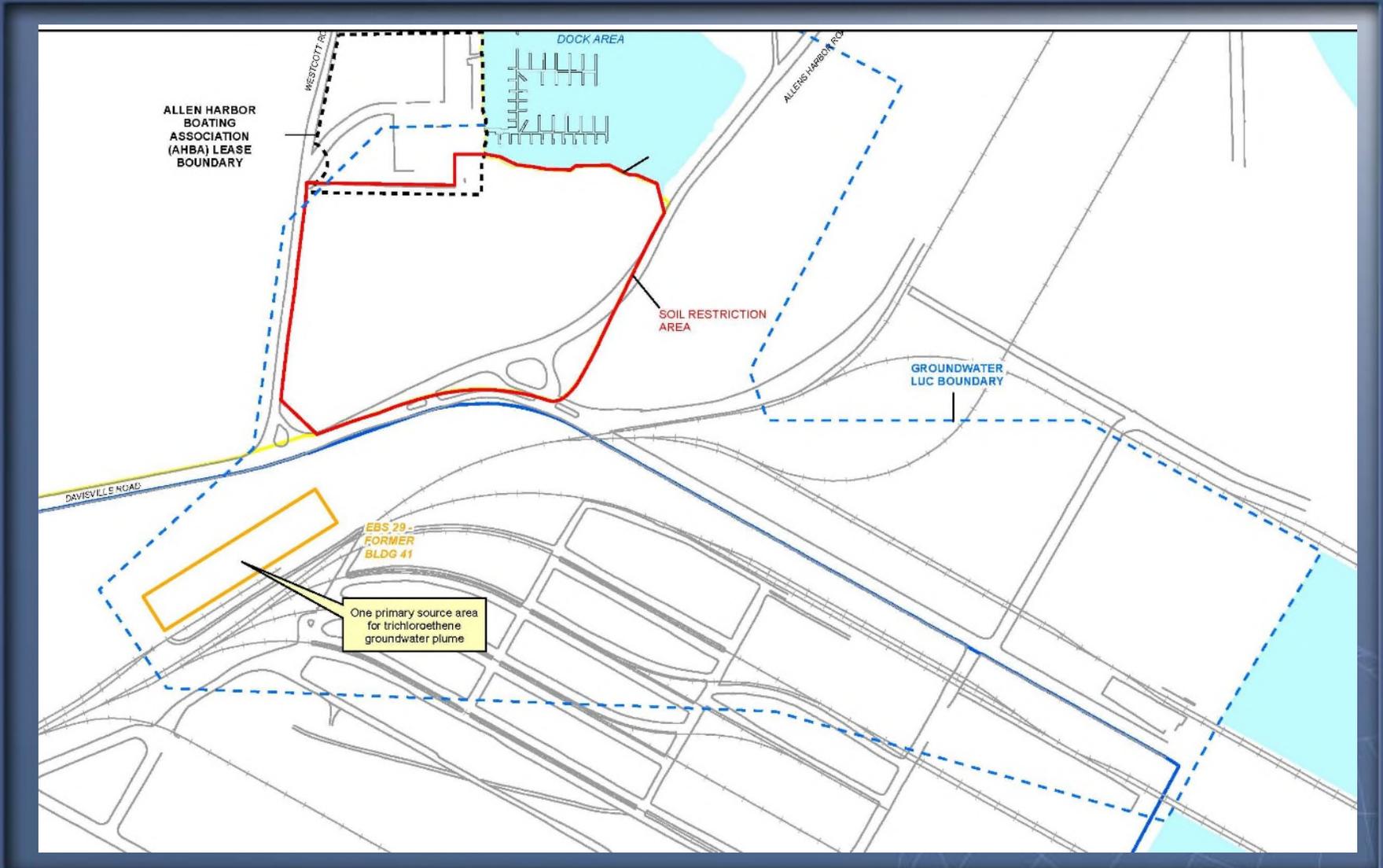
PUBLIC INVOLVEMENT

- Proposed Plan published in October 2013 stating the intentions of the Navy with regards to the remediation at Site 16.
- No comments on the Proposed Plan were received from the public.
- Public meeting held on October 24, 2013.
- ROD was signed by the Navy and EPA in June 2014.
- RIDEM issues ROD concurrence letter on June 19, 2014.
- Notice of ROD availability published on July 24, 2014.
- No comments received during ROD public comment period.

LAND USE CONTROLS

- Ensures that future use of property is limited to non-residential activities
- Prohibits disturbance of soil covers
- Ensures that soil covers are inspected and maintained
- Prohibits disturbance of subsurface soil without authorization
- Prohibits use of groundwater (with the exception of groundwater sampling)
- Ensures buildings are designed and constructed to minimize the potential for vapor intrusion
- Annual certifications are provided by the Navy stating site conditions

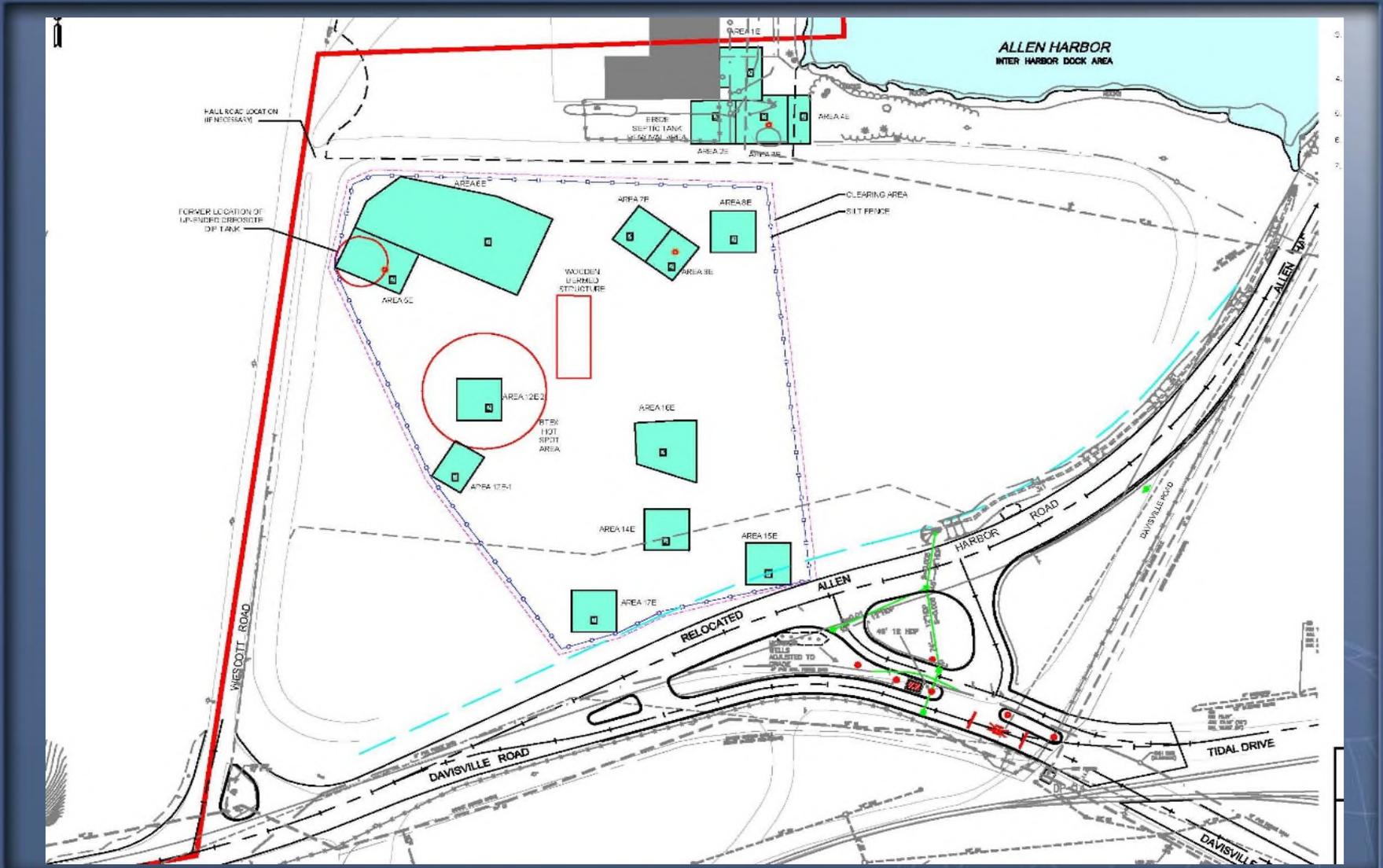
LAND USE CONTROL BOUNDARY



SOIL REMOVAL ACTION

- Provides for the excavation and off-site disposal of surface soil (two feet below grade) in the North Central Area of Site 16 and adjacent to the marina. Excavations will be backfilled with certified Clean Fill after excavations are complete.
- Draft Work Plan submitted in November 2014. Comments from EPA and RIDEM have been received and are being addressed by the Navy.
- Work is anticipated to be performed during 2015 and is expected to last for two months. Schedule to minimize impact to tenants.
- Excavation will require vegetation clearing of a portion of the North Central Area.
- Heavy equipment will be operated during the period of performance. Additional truck traffic (400 truck loads) will be present during the operations.

NORTH CENTRAL AREA EXCAVATION AREAS



GROUNDWATER REMEDIAL ACTION

- Focused in-situ treatment of groundwater at the eastern edge of former Building 41.
- Proposed chemical injection that would oxidize the chlorinated solvents present in the groundwater.
- Limited disturbance to surface activities.
- Injection event to be performed over a two to three week period. Timing of this event will be coordinated with QDC and their tenants to limit disruption.
- Draft Work Plan submitted by Navy on January 30, 2015. Comments received from EPA and RIDEM.

SITE 16 GROUNDWATER REMEDIATION



MONITORED NATURAL ATTENUATION

- Monitored Natural Attenuation of the residual groundwater plume and long-term monitoring of groundwater after active groundwater treatment.
- To be performed until contamination concentrations of the groundwater are below remedial goals.
- Groundwater sampling events to be performed until remedial goals are reached.
- Each event is expected to last several weeks.
- Minimal disturbance at each well location for a few hours per event.
- No plans have been written for this portion of the work to date.

FIVE YEAR REVIEWS

- As long as contamination remains above unrestricted use criteria, Five Year Reviews will be completed as part of the overall site review process.
- Next Basewide Five Year Review will be completed in 2018.
- Five Year Reviews will include a summary of the events of the past five years, including groundwater sampling events and land use control inspections.
- Provide assurance that the selected remedy remains protective of human health and the environment.

GREEN REMEDIATION

- As part of the Feasibility Study Addendum (2013), an Environmental Footprint Evaluation was performed.
- This evaluation was done to assess the environmental impacts of the remedial alternatives using the metrics of greenhouse gas and criteria pollutant emissions, energy use, water consumption, and worker safety.
- The results provided additional information for consideration during remedy selection and design.
- Evaluation performed based on NAVFAC policy requiring use of SiteWise™ to perform reviews as part of Feasibility Study.
- Work will be planned using EPA's Green Remediation Guidance.