

N62661.PF.003385
NS NEWPORT
5090.3b

MEETING MINUTES REGARDING THE RESTORATION ADVISORY BOARD (RAB) MEETING
HELD ON 20 MAY 2015 AT THE COURTYARD MARRIOTT MIDDLETOWN NS NEWPORT RI
05/20/2015
DEPARTMENT OF THE NAVY



Meeting Minutes
Restoration Advisory Board (RAB)
Naval Station (NAVSTA) Newport, Rhode Island

May 20, 2015, 6:30 PM- 8:00 PM
Courtyard Marriot, Middletown, Rhode Island

Call to Order and Approval of Previous Minutes

David Dorocz (RAB Co-Chair) called the meeting to order. Margaret Kirschner (RAB Co-Chair) acknowledged several new or returning RAB attendees (Allen Shire, Connie Harding, Harold Roode, and John Vitkevich). Mr. Dorocz also announced the presence of Shannon Kam (NAVSTA Newport), as well as Nicole Cowand (new Navy RPM) and Desiree Moyer (new EPA RPM). The RAB members welcomed the new attendees and accepted the minutes from the March 18th meeting.

Site Progress Update

Mark Kauffman (Resolution Consultants) presented the site progress milestone handout and pointed out the specific sites which had new points of contact for EPA and the Navy. Mr. Kauffman additionally reviewed the site progress milestones handout. In the interest of time, specific project-related milestones were not reviewed. David Brown (RAB Member) asked for clarification of the "Cat 2" designations on the site progress milestones. Mr. Dorocz explained that the "Cat 2" designations are related to non-CERCLA petroleum-related sites at the tank farms that are regulated by RIDEM rather than EPA.

Kathy Abbass (RAB Member) thanked Jim Gravette (Navy) for his outreach with a local community member regarding potential disposal areas at Derektor On-shore. Ms. Abbass and Mr. Gravette also concurred and appreciated that the areas in question were included in the sediment investigation completed during the CERCLA process.

Technical Presentation – Tank Farms 4 and 5

Mr. Gravette presented a status update on Tank Farms 4 and 5. Mr. Gravette outlined the current status of each site and future work at both tank farms, specifically the current remedial design/action phase. Ms. Kirschner asked if the LTM sampling, as written in the proposed plan, had started. Mr. Gravette explained that additional samples were collected during the design phase to better define the area requiring remedial action. Ms. Claudette Weissinger (RAB Member) asked what the average detected soil concentration of arsenic was in soil at Tank Farm 5. Mr. Kauffman indicated concentrations ranged from 10 to 30 ppm, with a few higher locations in the 400 ppm range. Mr. Thurston Gray (RAB Member) asked about tank farm demolition and whether the tanks were filled in-place. Ms. Deb Moore (NASTA Newport) answered that they were demolished and filled in-place. Sections of the sides and top may still be in the ground, but they are inert.

Technical Presentation – Photovoltaic Array



Following the Tank Farm presentation, Mr. Dave Dorocz (RAB Co-Chair) presented the Navy's proposal for a photovoltaic array at Tank Farm 4, Tank Farm 5, and/or the McAllister Point Landfill.

Ms. Abbass asked how the land would be managed for weed and overgrowth control. Mr. Dorocz did not know exactly since the solar array was still in the proposal stage and maintenance would be addressed in the Power Purchase Agreement (PPA) and, later, in the design. Mr. Brown asked how the power would be conveyed across the base. Mr. Dorocz indicated the power would be used by the Navy and connected to their electrical grid. Ms. Abbass asked if the design and planning considered responsibility for long-term operation and maintenance (O&M) of the solar array. Ms. Kam indicated it would be the responsibility of the private operator to design the O&M plan, but would meet NAVSTA Newport requirements as well as State, and Federal laws and regulations. Additionally, the Request for Proposal (RFP) has restrictions to be considered during the design phase of the project.

Mr. David Brown asked if the 30-year contract allowed for upgrades to accommodate future technological advances in solar arrays. Mr. Dorocz indicated that the contractor would most likely make upgrades if it increased their profit. Mr. Allen Shire (RAB Member) asked if the design could be modified to account for wetlands or Superfund areas. Mr. Dorocz indicated that regulated or restricted areas would not be permissible locations for solar arrays and that these areas would be restricted from use in the RFP and PPA.

Ms. Kirschner asked if the solar array would disrupt the LTM monitoring or ongoing CERCLA work. Mr. Dorocz indicated that the contractor would not be able to interfere with ongoing remedial activities. Furthermore, the Navy would have oversight during all phases of planning, building, and maintenance to ensure this did not occur.

Ms. Abbass asked if there would be penalties for not meeting performance or operation goals. Mr. Dorocz indicated that specific contract information was not available at the time, but he was certain the PPA would specify performance standards. Mr. Brown asked if there had been other naval facilities or CERCLA sites who have implemented a similar solar array. Ms. Jane Dolan (EPA) indicated similar solar arrays had been placed at other CERCLA sites and she would provide information to the RAB from the lead EPA project managers of those sites if that was requested.



Ms. Connie Harding (RAB Member) asked what assurances the Navy could provide to the community given the past issues with renewable energy. Additionally, Ms. Harding asked if this proposal indicated a reinvestment in NAVSTA Newport. Ms. Kam stated that the Navy chose Newport given the energy costs necessary to run the facility as the main reason for its selection.

Ms. Weissinger asked who managed the project. Ms. Kam indicated it was the Navy's Renewable Energy Project Office. Ms. Kirschner informed the RAB that wetland areas were forming on top of the old tanks and asked if they were managed as natural wetlands. Ms. Kam and Mr. Dorocz indicated that the wetlands are actually vernal pools formed by settling of the tanks; however, they were still managed as wetland areas.

Mr. Brown asked if there would be any additional publicity related to the solar array. Mr. Dorocz indicated an Environmental Assessment (EA), under the National Environmental Policy Act, is underway and the results will be made announced in a Notice of Availability, which will be published in a local newspaper. Ms. Kirschner asked if there would be solar array panels in the decisions units or archeological areas. Mr. Dorocz indicated these areas would be restricted from use in the RFP and PPA.

Community Update

Margaret Kirschner (RAB Co-Chair) indicated that the 20th anniversary of the NAVSTA Newport RAB is actually in November 2015. Ms. Abbass again suggested celebrating the 20th anniversary of the RAB with local and state legislatures as a thank you for the initial funding and support of the RAB. The RAB generally thought that the anniversary was an opportunity to recognize the involvement of community members from Newport, Middletown, Jamestown, and Portsmouth. Additionally, it should be an opportunity to thank the NAVSTA Newport team, regulatory agencies, and other who worked for towards the environmental restoration of the base. The RAB suggested involving Lisa Rama (NAVSTA Newport) to increase the publicity and mark the occasion. Mr. Brown offered to review the records for a list of the original RAB members.

Ms. Kirschner met the new Newport Library Director and learned of their new referencing system. Mr. Kauffman and Mr. Gravette informed the RAB that the Community Involvement Plan (CIP) is in the process of being updated. As a result, surveys will be mailed out to increase awareness, and posters are being considered for the four repositories to indicate the location of the Administrative Record and points of contact. Ms. Kirschner suggested the posters be similar to what was made for public meetings explaining the purpose of the Administrative Record and other important information.

Ms. Harding suggested providing general information about the RAB and posting the date for the next meeting. Ms. Kirschner supported the idea of having the posters at the library and town hall. The Navy will provide a draft version of the poster at the next meeting for comment.



Regulatory Update

No RIDEM or EPA updates were presented.

Adjournment

The RAB meeting adjourned at 8:00pm. Topics for the next RAB meeting on July 15th included the approach for the Community Involvement Plan (CIP) or results from the Tank Farm 3 Remedial Investigation (RI).

/S/
D. D. Dorocz

Enclosures:

- (1) Meeting Agenda
- (2) Attendance Sheet
- (3) Site Status Summary and Path Forward
- (4) Site Progress Milestones
- (5) Tank Farm 4 and 5 Presentation
- (6) Solar Photovoltaic Array Presentation



MEETING AGENDA
RESTORATION ADVISORY BOARD (RAB)
Naval Station Newport, Rhode Island

Wednesday, May 20, 2015, 6:30 pm
Courtyard by Marriott – Newport Middletown
9 Commerce Drive, Middletown, RI 02842

- CALL TO ORDER
- APPROVAL OF PREVIOUS MINUTES – March 18, 2015
- SITE PROGRESS HANDOUTS
 - Site Progress Milestone Chart
 - Site Summary Status Table
- TECHNICAL PRESENTATION
 - Tank Farms 4 and 5 Site Progress
 - Navy's Proposal for Photovoltaic Arrays at Tank Farms 4 and 5 and McAllister Point Landfill
- Other Business
 - 20th Anniversary of RAB in November 2015
- COMMUNITY UPDATE
 - RAB Co-Chair Update from Margaret Kirschner
- REGULATORY UPDATE
 - EPA and RIDEM Updates
- NEXT MEETING
 - July 15, 2015
 - Upcoming Topics and Presentations
- ADJOURN



RESTORATION ADVISORY BOARD (RAB) SIGN-IN SHEET

Naval Station Newport, Rhode Island

Name (Printed)	Organization/Affiliation
1 Allen Shers	Portsmouth -
2 Andrew Bogler	Resolution
3 MANUEL MARQUES	Middletown Civ
4 Mark Kauffman	Resolution
5 THURSTON GRAY	PORTSMOUTH
6 Margaret Luschner	Newport
7 Holly Boat	OPAC Portsmouth
8 Kave Brown	Newport
9 Jane Wolar	U.S. EPA
10 Nicholas Noons	RIDEM
11 Desiree Moyer	EPA
12 Kaitlyn Abbas	RAMAP
13 Claudette Messenger	Portsmouth
14 Jim Gravelle	NAVFA
15 Nicole Coward	NAVFA
16 Conni Handley	Portsmouth conni@vgnason.com
17 Pamela Crump	RIDEM
18 Shannon Kam	Navy NPT
19	
20	
21	
22	
23	
24	
25	

NAVSTA Newport



Status of Tank Farms 4 and 5 (Sites 12 and 13)

Restoration Advisory Board Meeting
May 20, 2015



Tank Farms 4 and 5 NAVSTA Newport

Tank Farm 4

Tank Farm 5



Tank Farm 4 Setting

- 80 acres, located in Portsmouth
 - Constructed in 1940s and used between WWII and 1970
 - Twelve 60,000-barrel UST to store fuel
- Cleanup conducted under two programs
 - Petroleum contamination addressed un State program
 - Non-petroleum contamination (e.g., disposal of burned sludge) under CERCLA program
- Petroleum program
 - Tanks were emptied, cleaned, demolished in-place or removed, and backfilled; piping was flushed and adjacent soils were removed as-needed
 - The majority of former piping has been removed
- CERCLA investigation began in 2004
 - Refer to progress on next slide

Tank Farm 4 CERCLA Status

- 1 CERCLA cleanup area

- DU 4-1

- 2013: ROD for soil removal and GW monitoring
 - 2015: Final soil removal design completed
 - 2015: Expectation to complete soil removal
 - 2015: Expectation to initiate GW monitoring



Tank Farm 4 Site 12 OU 11

- Cat 1 AOC
- Cat 2 AOC
- Cat 3 AOC No Further Action
- Cat 3 AOC Investigation



Tank Farm 5 Setting

- 80 acres, located in Middletown
 - Constructed in 1940s and used between WWII and 1970
 - Eleven 60,000-barrel UST to store fuel
- Cleanup conducted under two programs
 - Petroleum contamination addressed un State program
 - Non-petroleum contamination (e.g., disposal of burned sludge) under CERCLA program
- Petroleum program
 - Tanks were emptied, cleaned, demolished in-place, and backfilled; piping was flushed and adjacent soils investigated and were removed as-needed
 - Approximately ½ of the former piping has been removed
- CERCLA investigation began in the 1990s
 - Refer to progress on next slide

Tank Farm 5 CERCLA Status

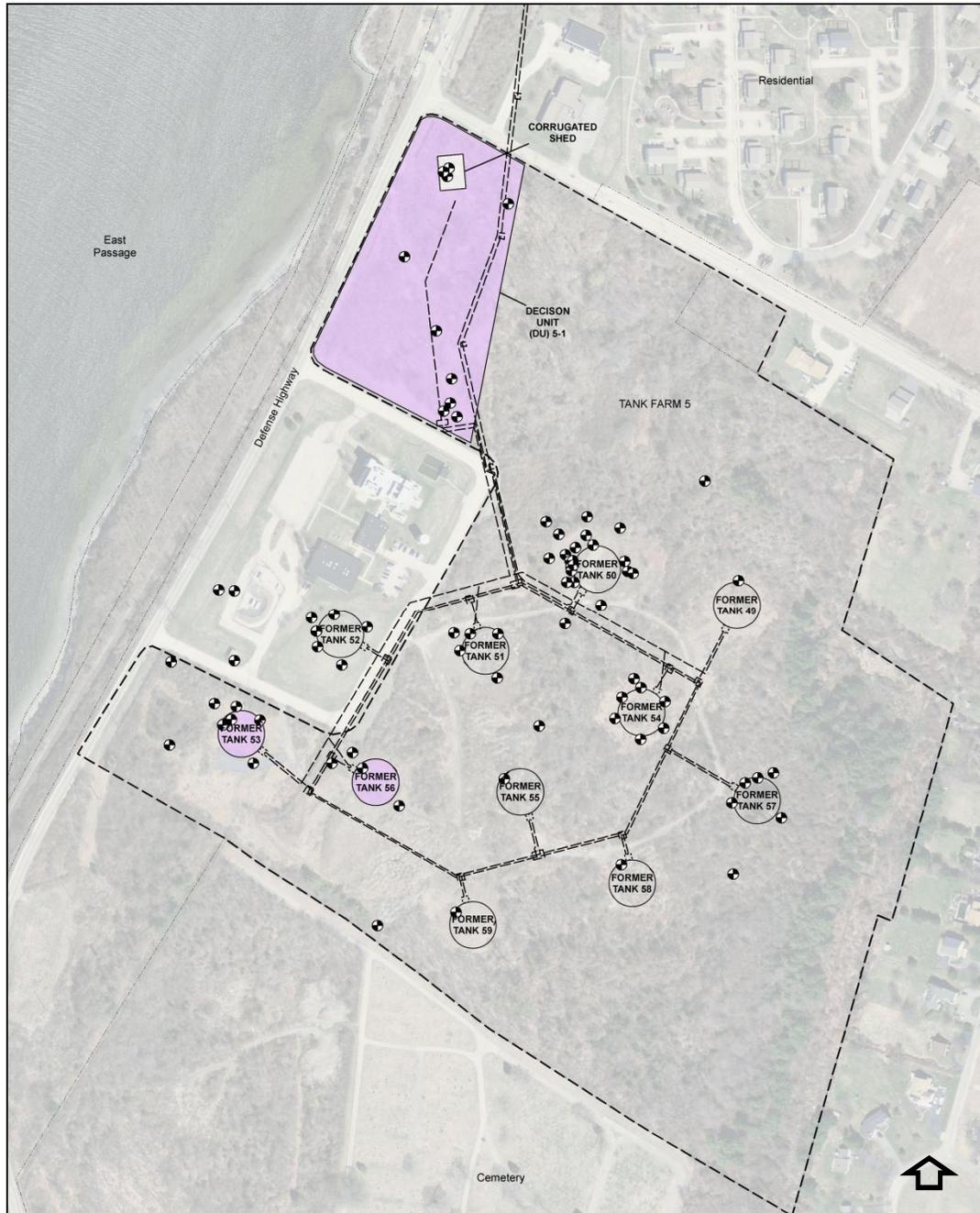
➤ 2 CERCLA cleanup areas

➤ Tanks 56 & 56

- 1992: Interim ROD for soil removal and GW treatment
- 1994-1996: Completed interim action for GW cleanup
- 2015: To complete No Further Action (NFA) Proposed Plan

➤ DU 5-1

- 2014: ROD for soil cover and GW monitoring
- 2015: Final soil removal design completed
- 2015: Expectation to complete soil removal
- 2015: Expectation to initiate GW monitoring



Tank Farm 5

Site 13

OU 2

- Cat 1 AOC
- Cat 2 AOC
- Cat 3 AOC No Further Action
- Cat 3 AOC Investigation



Proposed Photovoltaic Array

- Photovoltaic Array (Solar Array) is proposed
- Project planning phase is underway
- Refer to separate presentation for details

Questions or Comments?

Reference Documents are available at
<http://go.usa.gov/DyNw>

Naval Station Newport Contacts

Dave Dorocz

Deb Moore

Darlene Ward

Norfolk, Virginia Contact

Jim Gravette

Remedial Project Manager

757-341-2014

james.gravette@navy.mil

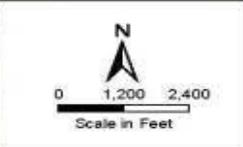
Installation Restoration Sites



IR/MRP Sites		
Site	Site Name	Operable Unit
Site 1	McAlester Point Landfill	OU 1, OU 4
Site 4	Coddington Cove Rubble Fill Area (CCRF)	TBD
Site 8	NUSC Disposal Area	OU 7
Site 9	Old Fire Fighting Training Area (OFFTA)	OU 3
Site 7	Tank Farm 1	OU13
Site 10	Tank Farm 2	OU14
Site 11	Tank Farm 3	OU15
Site 12	Tank Farm 4	OU 11
Site 13	Tank Farm 5	OU 2
Site 17	Gould Island	OU 6
Site 19	Derecitor Shipyard	OU 5, OU 12
IR Site 22	Carr Point Storage Area	OU 10
MRP Site 1	Carr Point Shooting Range	OU 9
Site 23	Coddington Point Buried Debris Sites	TBD

RESOLUTION CONSULTANTS

Drawn: JB 02/26/2015
 Approved: MK 02/26/2015
 Project #: 60268619



SITE MAP

SITES AND STUDY AREAS
NAVSTA NEWPORT, RHODE ISLAND

Tank Farm 4

Path: L:\Buffalo\NAVSTA Newport_Solar\maps\mxd\Bat_Habitat_Constraints\Figure_1_BatHabitat_TF4.mxd

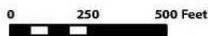


Draft Field Survey Data.

Do not cite or distribute without prior permission from Naval Facilities Engineering Command, Atlantic, Environmental Business Line



SCALE



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
© 2014 Ecology and Environment, Inc.

Legend

- Proposed Solar Site Boundary
- Estimated Solar Project Footprint (avoids wetlands, CERCLA decision unit, and footprint buffer)
- Planned 50-foot project footprint buffer (where project footprint meets a site boundary)
- Potentially Suitable Northern Long-eared Bat Summer Roosting Habitat
- Field Delineated Wetland (Dec 2014)
- Norman's Brook and Tributaries
- Rhode Island-Designated Wetland Buffer
- CERCLA Decision Unit

Figure 1
Northern Long-eared Bat
Summer Roosting Habitat
at Tank Farm 4
NAVSTA Newport
Newport County, Rhode Island

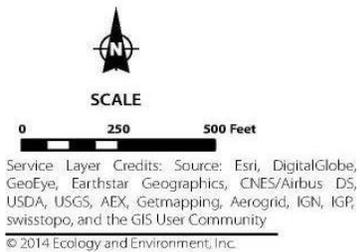
Tank Farm 5

Path: L:\Buffalo\NAVSTA Newport_Solar\maps\mxd\Bat_Habitat_Constraints\Figure_2_Bat-habitat_TF5.mxd



Draft Field Survey Data.

Do not cite or distribute without prior permission from Naval Facilities Engineering Command, Atlantic, Environmental Business Line



- Legend**
- Proposed Solar Site Boundary
 - Estimated Solar Project Footprint (avoids wetlands, CERCLA decision unit, archaeological site, and footprint buffer)
 - Planned 50-foot project footprint buffer (where project footprint meets a site boundary)
 - Potentially Suitable Northern Long-eared Bat Summer Roosting Habitat
 - Field Delineated Wetland (Dec 2014)
 - Gomes Brook and Tributaries
 - Rhode Island-Designated Wetland Buffer
 - CERCLA Decision Unit
 - Approximate Location of Archaeological Site

Figure 2
Northern Long-eared Bat
Summer Roosting Habitat
at Tank Farm 5
NAVSTA Newport
 Newport County, Rhode Island

McAllister Point Landfill

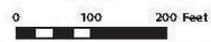
Path: \\Prtbhp1\qis\Buffalo\NAVSTA Newport_Solar\maps\mxd\Final_DOPAA\Figure_2-4_NS_Newport_McAll_Pt_LF.mxd



Total: 9,459 Panels



SCALE



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
 © 2014 Ecology and Environment, Inc.

Legend

- Military Installation Boundary
- Proposed Solar Site Boundary
- Estimated Solar Array Configuration
- Planned Buffer
- Conceptual Interconnection Area
- Navy Electrical Distribution Line

Figure 2-4
Proposed Solar Project Location:
McAllister Point Landfill
Naval Station Newport
 Newport County, Rhode Island



Solar Photovoltaic System

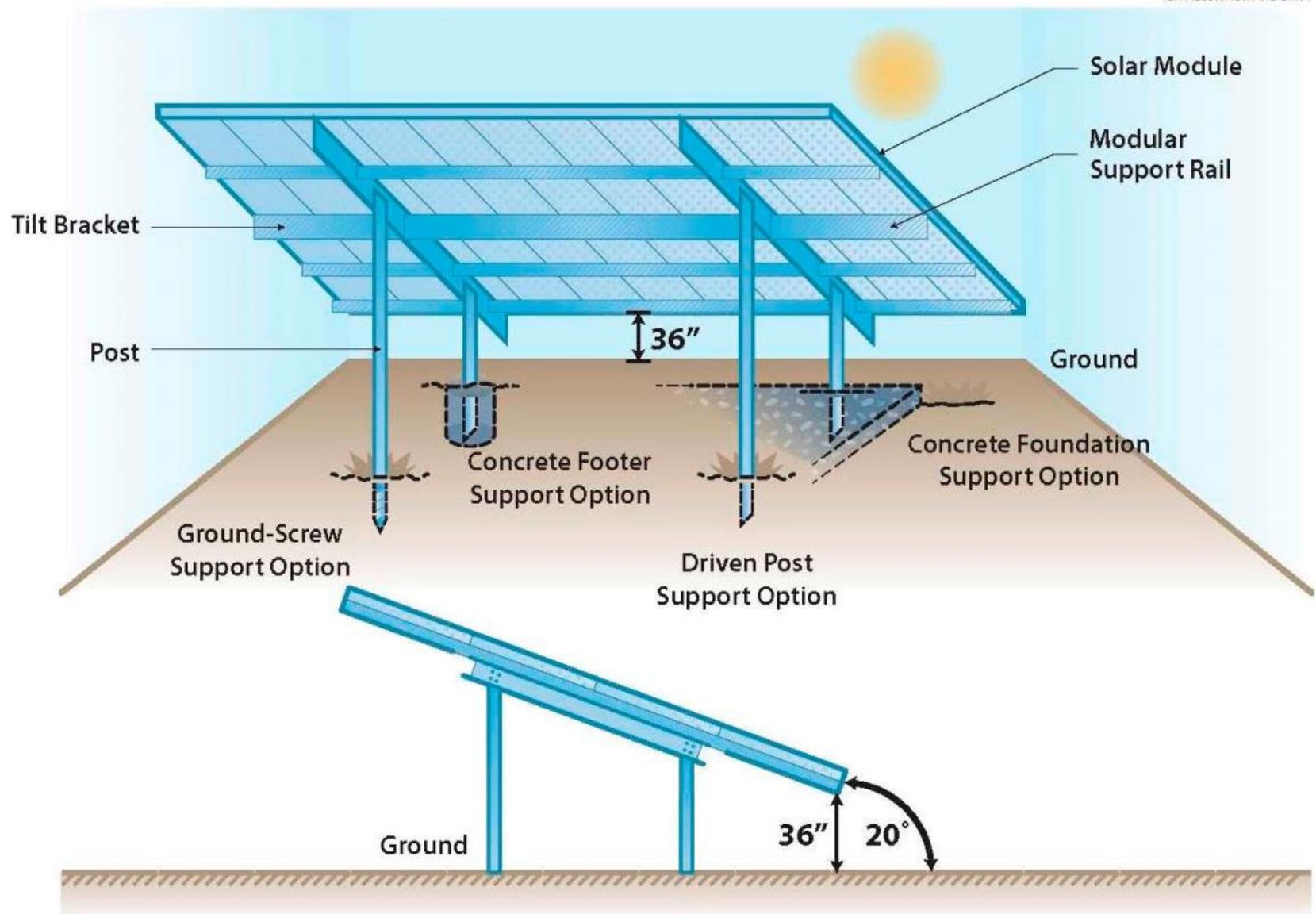
at

Naval Station Newport



Solar Photovoltaic Proposal

The Navy proposes to allow up to to 80 acres of Navy-owned property at Naval Station Newport to be developed by an independently operated commercial power utility for a solar photovoltaic (PV) system at Tank Farms 4 and 5, and McAllister Point Landfill. The proposed site is of adequate size to allow the construction and operation of up to 8 megawatts (MW) on Tank Farm 4, 7 MW on Tank Farm 5 and 2.8 MW on McAllister Point Landfill. The solar PV system would include multiple solar PV panels connected to a ground-mounted, fixed-tilt (stationary) structure. The generated electricity would provide power directly to Naval Station Newport.



Fixed-Tilt Ground-Mounted Solar PV Array



Purpose of the Project

The purpose of the proposed action is to increase Navy installation energy security, operational capability, strategic flexibility, and resource availability through the development of renewable energy generating assets. The proposed action is required to meet the renewable energy standards put forth by various federal initiatives, including the

- Energy Policy Act (EPAAct) of 2005 (10 U.S.C. 2911(e))
- 2013 presidential memorandum
- Secretary of the Navy's 1 GW Initiative to produce 50 percent of the Navy's shore-based energy requirements from alternative sources
 - 500 MW by December 2014
 - 500 MW by December 2015



Navy's Energy Strategy

The Navy's energy strategy is centered on energy security, efficiency, and sustainability while remaining the pre-eminent maritime power.

- Energy security is critical to mission success. Energy security safeguards the Navy's energy infrastructure and shields the Navy from a volatile energy supply.
- Efficiency increases mission effectiveness. Efficiency improvements minimize operational risks while saving time, money, and lives. Sustainable energy efforts protect mission capabilities. Investment in environmentally responsible technologies afloat and ashore reduces greenhouse gas (GHG) emissions and lessens dependence on fossil fuel.
- http://greenfleet.dodlive.mil/files/2013/01/DASN_EnergyStratPlan_Final_v3.pdf



Renewable Energy Goals

In October 2009, the Secretary of the Navy established renewable energy goals for the Navy's shore based installations to meet by 2020. These goals include the following:

- The Navy will produce or procure at least 50 percent of the total quantity of electric energy consumed by shore-based facilities and activities each fiscal year (FY) from alternative energy sources; and
- 50 percent of Navy installations will be net zero (*i.e.*, over the course of a FY, an installation matches or exceeds the electrical energy it consumes ashore with electrical energy generated from alternative energy sources).



Process for the Evaluation of the Solar Photovoltaic Proposal

- The Navy has initiated an Environmental Assessment in accordance with the National Environmental Policy Act.
- The Environmental Assessment will evaluate the suitability of placing solar photovoltaic arrays on Tank Farms 4 & 5 and McAllister Point Landfill.
- The Navy is coordinating with federal and state agencies.

Sites



Major Milestones

TASK	DATE
Request for Proposal	June 2015
Complete Environmental Assessment	August 2015



**For more information contact the Navy's
Renewable Energy Project Office**

Beth Pascual

beth.pascual@navy.mil

(757) 322-8443

Submit written comments to

Shannon Kam

Naval Station Newport

Environmental Office

1 Simonpietri Drive

Newport RI 02841



Questions??





Environmental Assessment for Construction and Operation of a Solar Photovoltaic System at Naval Station Newport

The Proposed Action

In accordance with the National Environmental Policy Act (NEPA), the Navy is preparing an environmental assessment (EA) for construction and operation of a solar photovoltaic (PV) system at Naval Station (NAVSTA) Newport.

The Navy proposes to allow up to 80 acres of land at NAVSTA Newport to be developed by an independently operated commercial power utility for a solar PV system. The generated electricity would provide power directly to NAVSTA Newport.

Purpose and Need for the Proposed Action

The purpose of the proposed action is to increase Navy installation energy security, strategic flexibility, and resource availability through the development of renewable-energy generating assets at NAVSTA Newport. The proposed action is needed to assist in meeting federal policies, goals, and standards for renewable energy.

Alternative Site Locations on Base

The power utility and/or solar PV developer would construct and operate solar facilities at one or more sites. The proposed project sites were formerly used for industrial activities and meet Navy criteria for development for renewable energy purposes.

Tank Farm 4: About 40 acres would be developed for an approximately 8-MW solar PV facility at this former tank farm.

Tank Farm 5: About 35 acres would be developed for an approximately 7-MW solar PV facility at this former tank farm.

McAllister Point Landfill: About 8 acres would be developed for an approximately 2.8-MW solar PV facility at this closed landfill. Special ballasted construction would be used to ensure that the landfill cover is not penetrated.

The proposed development areas at the sites have been selected to avoid wetlands, specific areas where hazardous materials cleanup is being finalized, and potential archaeological resources. Selective tree clearing and protective measures will be used to minimize potential impacts to sensitive species such as bats. As well, the Navy will use natural and manmade barriers to provide visual screening for off-base residents and recreationists.

Scope of the EA

The EA will present the existing conditions at the proposed project sites and evaluate the potential consequences of the proposed action on the natural and human environment. The EA will evaluate potential impacts of the proposed action on the following resource areas: land use, coastal zone management, visual resources, utilities and infrastructure, socioeconomic and environmental justice, cultural resources, air quality, biological resources, water resources, hazardous materials and waste, topography and soils, noise, traffic and transportation, and public safety.

The Navy is consulting on the proposed action with key agencies, including the U.S. Fish and Wildlife Service, Rhode Island Coastal Resources Management Council, and Rhode Island Historical Preservation & Heritage Commission.

Proposed Project Sites





Environmental Assessment for Construction and Operation of a Solar Photovoltaic System at Naval Station Newport

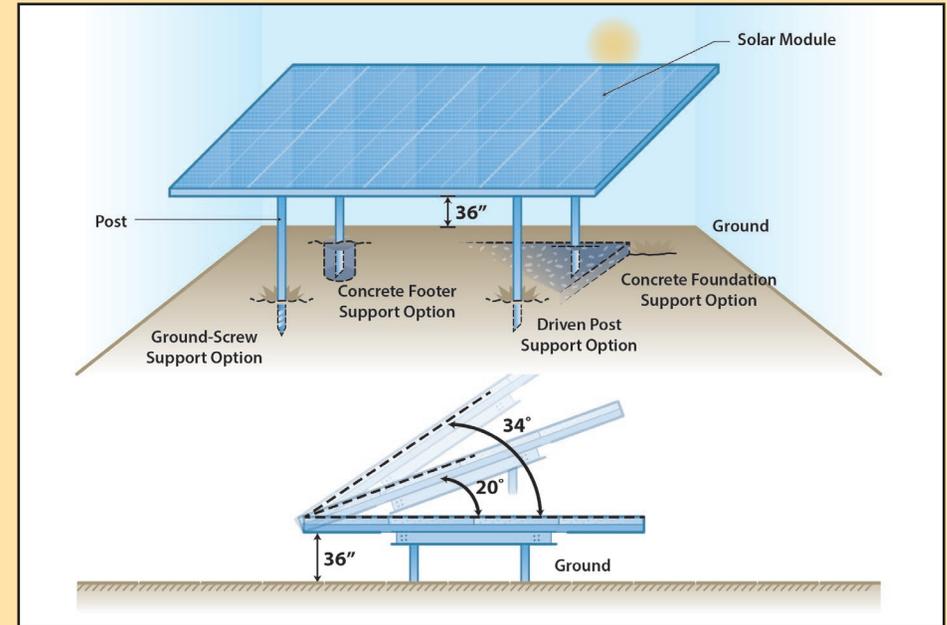
Solar PV Technology

Solar PV technology uses solar cells to convert energy from solar radiation into electricity. The ground-mounted facility to be constructed at one or more sites would include solar PV panels assembled in arrays, as well as electrical equipment (such as inverters, facility components, and electrical lines and wiring) to complete the generation of electricity and connect the solar PV facility to existing electrical infrastructure.

Ballasted Solar Arrays



Fixed-Tilt Ground-Mounted Solar PV Construction



Federal Policies, Goals, and Standards for Renewable Energy

To enhance energy security, efficiency, and sustainability, the federal government has established rigorous policies, goals, and standards for the production and use of alternative and renewable energy by federal facilities, including:

- Secretary of the Navy renewable energy goals:
 - 1 Gigawatt (GW) Initiative: Deploy 1 GW of renewable-energy generating capacity Navy-wide by 2020.
 - By 2020, produce or procure at least 50% of electricity consumed by shore-based facilities from alternative energy sources, and 50% of Navy installations must be “net zero” (i.e., use alternative energy sources to meet or exceed the electricity they consume).
- Executive Order 13693, Planning for Federal Sustainability in the Next Decade (March 19, 2015): By 2025, increase the share of electricity the federal government consumes from renewable sources to 30%.
- Other Standards: Energy Policy Act of 2005; 10 U.S.C. 2911(e).

For more information or to provide comments on the proposed action, please contact:

Lisa M. Woodbury Rama • Public Affairs Officer

Naval Station Newport

690 Peary Street

Newport, RI 02841

401-841-3538

SITE STATUS SUMMARY AND PATH FORWARD

Environmental Restoration Program
Naval Station Newport, Rhode Island



Updated: 05/07/15

Site	Site Name	Operable Unit	ROD	Regulatory Phase	Path Forward	NAVSTA	Navy RPM	EPA RPM	RIDEM RPM	
Site 1	McAllister Point Landfill	Source	OU 1	9/27/1993	CERCLA Long-term Monitoring (LTM) Implementation	2011 and 2012 LTM reports were submitted in May/June 2013; 2013 and 2014 LTM sampling is completed; next step is continued LTM and reporting	D. Ward	N. Cowand	D. Moyer	N. Noons
		Migration	OU 4	3/1/2000						
Site 4	Coddington Cove Rubble Fill Area (CCRF)	NA	NA	Pre-CERCLA Study Area Screening Evaluation (SASE) Groundwater Addendum	Final Work Plan for additional groundwater sampling was submitted in November 2013; sampling was completed in early 2014; results were used to supplement SASE with a groundwater evaluation addendum with recommendation on whether further action is warranted	D. Ward	N. Cowand	D. Moyer	P. Crump	
Site 8	NUSC Disposal Area	OU 7	9/30/2012	CERCLA Remedial Design and Remedial Action	Remedial action is in progress for the remediation components that have been designed. Next steps are to complete the design for the remaining remediation components and implement those components when the design is completed	D. Moore	N. Cowand	D. Moyer	P. Crump	
Site 9 & 20	Old Fire Fighting Training Area (OFFTA)	OU 3	9/28/2010	CERCLA Remedial Construction Completion	Construction completion close-out was completed in 2014. Plans for Long Term Monitoring have been drafted, reviewed, and are in revision. Construction is complete. Next steps are LUC implementation, and O&M and monitoring and 5-year reviews of the remedy	D. Ward	W. Johnson	K. Keckler	P. Crump	
Site 7	Tank Farm 1	Cat 1	OU 13		CERCLA Feasibility Study (FS)	Data Gaps Report was finalized in 2015 as the Remedial Investigation (RI) for the site and a draft Feasibility Study (FS) was completed; the next step is to finalize the FS, followed by a Proposed Plan, and ROD	D. Ward	J. Gravette	J. Dolan	P. Crump
		Cat 2	NA	NA	RIDEM Investigation Planning	Sites are closed and/or in the process of being closed by DESC				
		Cat 3	NA	NA	NA	No Category 3 AOCs have been identified for further assessment at Tank Farm 1				
Site 10	Tank Farm 2	Cat 1	OU 14		CERCLA Remedial Investigation (RI)	Final RI Work Plan was submitted in July 2013; field investigation was completed in December 2013; next steps are to finalize the RI reporting phase and to conduct an FS, Proposed Plan, and ROD	D. Ward	J. Gravette	J. Dolan	P. Crump
		Cat 2	NA	NA	RIDEM Site Investigation (SI) and/or Closure	Site information was compiled in April 2013 and a review was completed in June 2013; further information is being requested from DESC; currently all Category 2 AOCs at Tank Farm 2 are expected to be addressed by DESC				
		Cat 3	NA	NA	RIDEM Site Investigation (SI) and/or Closure	Field inspections of Cat 3 AOCs were conducted with EPA and RIDEM on 4/2/14; a summary table with the path forward recommended for each AOC was subsequently submitted; the next steps are to prepare a Work Plan, field assessment, and report				
Site 11	Tank Farm 3	Cat 1	OU 15		CERCLA Remedial Investigation (RI)	Final SASE Report completed; Concurrence received from agencies on Final RI Work Plan in April 2013; RI field program was completed in December 2012; next steps are to finalize the RI reporting phase and to conduct an FS, Proposed Plan, and ROD	D. Moore	J. Gravette	J. Dolan	P. Crump
		Cat 2	NA	NA	RIDEM Site Investigation (SI) and/or Closure	Site information was compiled in April 2013 and a review was completed in June 2013; further information is being requested from DESC; currently all Category 2 AOCs at Tank Farm 3 are expected to be addressed by DESC				
		Cat 3	NA	NA	RIDEM Site Investigation (SI) and/or Closure	Field inspections of Cat 3 AOCs were conducted with EPA and RIDEM on 4/2/14; a summary table with the path forward recommended for each AOC was subsequently submitted; the next steps are to prepare a Work Plan, field assessment, and report				
Site 12	Tank Farm 4	Cat 1	OU 11	9/30/2013	CERCLA Remedial Design (RD)	ROD was signed in September 2013; Pre-design investigation (PDI) completed and the remedial design (RD) package was submitted. Final RD is complete. Next step is to implement the remedial action.	D. Moore	J. Gravette	J. Dolan	P. Crump
		Cat 2	NA	NA	RIDEM Site Investigation (SI) and/or Closure	Corrective action plans were completed for specific AOCs in 2002 and implemented; LTM data was collected in 2010 with report submitted to RIDEM in 2011; further information is being requested from DESC; currently all Category 2 AOCs at Tank Farm 4 are expected to be addressed by DESC				
		Cat 2 Tanks 38, 42, 45, 48	NA	NA	RIDEM Site Investigation (SI) and/or Closure	Corrective action plans were completed for specific AOCs in 2002 and implemented; LTM data was collected in 2010 with report submitted to RIDEM in 2011; further information is being requested from DESC; currently all Category 2 AOCs at Tank Farm 4 are expected to be addressed by DESC				

SITE STATUS SUMMARY AND PATH FORWARD

Environmental Restoration Program
Naval Station Newport, Rhode Island



Updated: 05/07/15

Site	Site Name	Operable Unit	ROD	Regulatory Phase	Path Forward	NAVSTA	Navy RPM	EPA RPM	RIDEM RPM	
		Cat 3	NA	NA	RIDEM Site Investigation (SI) and/or Closure	Field inspections of Cat 3 AOCs were conducted with EPA and RIDEM on 4/2/14; a summary table with the path forward recommended for each AOC was subsequently submitted; the next steps are to prepare a Work Plan, field assessment, and report				
Site 13	Tank Farm 5	Cat 1	OU 2	1/9/2014	CERCLA Remedial Design (RD)	ROD was signed in September 2014; Pre-design investigation (PDI) completed and the remedial design (RD) package was submitted. Final RD is complete. Next step is to implement the remedial action.	D. Moore	J. Gravette	J. Dolan	P. Crump
		Cat 1 Tanks 53, 56	OU 2		Interim ROD Closure	Groundwater treatment was conducted for two years; LTM was conducted accordingly; LTM was discontinued in 2006; the treatment plant and wells were decommissioned in 2008; a separate NFA ROD is planned to document no further action for these areas				
		Cat 2	NA	NA	RIDEM Site Investigation (SI) and/or Closure	Corrective action plans were completed for specific AOCs in 1999 and implemented; LTM data was collected in 2010 with report submitted to RIDEM in 2011; further information is being requested from DESC; currently all Category 2 AOCs at Tank Farm 5 are expected to be addressed by DESC				
		Cat 2 Tank 50	NA	NA	RIDEM Site Investigation (SI) and/or Closure	A pilot study was conducted in 1997, during which it was determined that there is light non-aqueous phase liquid (LNAPL) that was not possible to recover; no Corrective Action Plan (CAP) was drafted				
		Cat 2 Tanks 51, 52, 54, 57	NA	NA	RIDEM Site Investigation (SI) and/or Closure	Corrective action plans were completed for specific AOCs in 1999 and implemented; LTM data was collected in 2010 with report submitted to RIDEM in 2011; further information is being requested from DESC; currently all Category 2 AOCs at Tank Farm 5 are expected to be addressed by DESC				
		Cat 3	NA	NA	RIDEM Site Investigation (SI) and/or Closure	Field inspections of Cat 3 AOCs were conducted with EPA and RIDEM on 4/2/14; a summary table with the path forward recommended for each AOC was subsequently submitted; the next steps are to prepare a Work Plan, field assessment, and report				
Site 17	Gould Island	OU 6	6/30/2014	CERCLA Remedial Design (RD)	Draft FS was completed in June 2012; Final FS, Proposed Plan and ROD were finalized in June 2014; next steps are to finalize the RD for implementation	D. Moore	J. Gravette	K. Keckler	P. Crump	
Site 19	Derecktor Shipyard	Onshore	OU 12	9/16/2014	CERCLA Remedial Design (RD)	Draft FS was submitted in December 2012; Final FS and Proposed Plan were finalized in June 2014; the ROD was signed in September 2014; the next step is to finalize the RD for implementation	D. Ward	J. Gravette	K. Keckler	P. Crump
		Offshore	OU 5	9/16/2014	CERCLA Remedial Design (RD)	Draft Final FS was submitted in March 2013; Final FS and Proposed Plan were finalized in June 2014; the ROD was signed in September 2014; the next step is to finalize the RD for implementation				
IR Site 22	Carr Point Storage Area	OU 10		CERCLA Remedial Investigation (RI)	The RI field sampling and data analysis is completed; next steps are to finalize the RI report, and prepare the FS, Proposed Plan, and ROD	D. Ward	N. Cowand	D. Moyer	N. Noons	
MRP Site 1	Carr Point Shooting Range	OU 9		CERCLA Remedial Investigation (RI)	Interim Removal Action of soil excavation is completed; RI phase and report are complete; next steps are to complete the FS, Proposed Plan, and ROD	D. Ward	N. Cowand	D. Moyer	N. Noons	
Site 23	Coddington Point Buried Debris Sites (5)	TBD		CERCLA Focused Remedial Investigation (RI)	The RI field sampling and data analysis is completed; next steps are to finalize the RI report, and prepare the FS, Proposed Plan, and ROD	T. Smith	N. Cowand	D. Moyer	P. Crump	

SITE PROGRESS MILESTONES
Environmental Restoration Program
Naval Station Newport, Rhode Island



Updated: 05/07/15

Site	Site Name	USEPA Operable Unit (OU) Designation	Navy RPM	Navy Newport Facility Contact	EPA RPM	RIDEM RPM	Preliminary Investigation		Work Plan		Full Investigation			Technology Evaluation		Site Response Decision				Remediation			
							Final PA Report	Final SI or SASE Report	Draft SAP or WP	Final SAP or WP	Completion of Field Program	Draft RI Report or SIR	Final RI Report or SIR	Draft FS Report	Final FS Report	Draft PP	Final PP	Draft ROD or CAP	Final ROD or CAP	Completion of Design	Completion of Construction	O&M and LTM	
Site 1	McAllister Point Landfill	Onshore	OU 1	NC	DW	DM	NN	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Ongoing	
		Offshore	OU 4					x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Site 2	Melville North Landfill	NA	JG	DW	-	PC		x	x														
Site 4	Coddington Cove Rubble Fill Area (CCRF)	NA	NC	DW	DM	PC		x	11/26/15	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Site 8	NUSC Disposal Area	OU 7	NC	Deb	DM	PC		x	x	x	x	x	x	x	x	x	x	x	x	x	09/14/15	01/30/17	TBD
Site 9 & 20	Old Fire Fighting Training Area (OFTA)	OU 3	WJ	DW	KK	PC		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Ongoing
Site 7	Tank Farm 1	Cat 1	TBD	JG	DW	JD	PC	x	x	x	x	x	x	x	On hold	x	10/19/15	11/22/15	04/20/16	TBD	TBD	TBD	TBD
		Cat 3	NA							08/08/15	02/19/16	06/18/16	08/29/16	03/12/17	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Site 10	Tank Farm 2	Cat 1	TBD	JG	DW	JD	PC	x	x	x	x	x	06/20/15	10/22/15	05/04/16	07/03/16	01/14/17	03/30/17	10/11/17	TBD	TBD	TBD	TBD
		Cat 2	NA							08/08/15	02/19/16	06/18/16	08/29/16	03/12/17	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
		Cat 3	NA							08/08/15	02/19/16	06/18/16	08/29/16	03/12/17	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Site 11	Tank Farm 3	Cat 1	TBD	JG	Deb	JD	PC	x	x	x	x	x	06/28/15	10/03/15	04/15/16	07/14/16	01/25/17	04/10/17	10/22/17	TBD	TBD	TBD	TBD
		Cat 2	NA							08/08/15	02/19/16	06/18/16	08/29/16	03/12/17	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
		Cat 3	NA							08/08/15	02/19/16	06/18/16	08/29/16	03/12/17	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
Site 12	Tank Farm 4	Cat 1	OU 11	JG	Deb	JD	PC	x	x	x	x	x	x	x	x	x	x	x	x	x	x	10/09/15	TBD
		Cat 2	NA							08/08/15	02/19/16	06/18/16	08/29/16	03/12/17	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
		Cat 3	NA							08/08/15	02/19/16	06/18/16	08/29/16	03/12/17	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
Site 13	Tank Farm 5	Cat 1 T53, 56	OU 2	JG	Deb	JD	PC	x	x	x	x	x	x	x	06/14/15	12/26/15	03/24/16	10/05/16					
		Cat 1 Other						NA			08/08/15	02/19/16	06/18/16	08/29/16	03/12/17	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
		Cat 2 T50	NA							08/08/15	02/19/16	06/18/16	08/29/16	03/12/17	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
		Cat 2 Other	NA							08/08/15	02/19/16	06/18/16	08/29/16	03/12/17	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
Site 17	Gould Island	OU 6	JG	Deb	KK	PC		x	x	x	x	x	x	x	x	x	x	x	x	11/28/15	06/25/17	TBD	
Site 19	Derecktor Shipyard	Onshore	OU 12	JG	DW	KK	PC	x	x	x	x	x	x	x	x	x	x	x	x	x	06/10/15	06/07/16	TBD
		Offshore	OU 5					x	x	x	x	x	x	x	x	x	x	x	x	x	x	07/25/15	12/04/16
IR Site 22	Carr Point Storage Area	OU 10	NC	DW	DM	NN		x	x	x	x	08/03/15	12/01/15	06/13/16	09/11/16	03/25/17	06/08/17	12/20/17	TBD	TBD	TBD		
MRP Site 1	Carr Point Shooting Range	OU 9	NC	DW	DM	NN		x	x	x	x	x	08/19/15	03/01/16	05/30/16	12/11/16	01/05/17	07/19/17	TBD	TBD	TBD		
Site 23	Coddington Point Buried Debris Sites (5)	TBD	NC	TS	DM	PC		x	x	x	x	x	09/05/15	12/25/15	07/07/16	10/05/16	04/18/17	07/02/17	01/13/18	TBD	TBD	TBD	

x	= Completed
12/15/14	= Ongoing; expected date
TBD	= To be determined; if needed
	= Not applicable; not required

Notes:

Category 1 - Includes non-petroleum impacts; managed under CERCLA; lead regulatory agency is USEPA
 Category 2 - Includes only petroleum impacts; managed under RIDEM regulations; lead regulatory agency is RIDEM
 Category 3 - Nature of site impacts is not yet defined; will be placed in either Category 1 or 2
 Site investigation for Tank Farm 5 consisted of pilot study report for Cat 2 TF50, and characterization report for Cat 3
 X = Completed, NA = Not applicable
 WJ = Winoma, Deb = Deb Moore, DW = Darlene, WL = Bill, KK = Kymberlee, PC = Pam
 TS = Tom, JG = Jim, JD = Jane, NN = Nick, DM = Deb Moyer, NC = Nicole Cowand

PA = Preliminary Assessment
 SI = Site Inspection
 SASE = Study Area Screening Evaluation
 SAP = Sampling and Analysis Plan
 WP = Work Plan
 CAP = Corrective Action Plan (RIDEM)
 OU = Operable Unit
 O&M = Operation and Maintenance

RI = Remedial Investigation
 SIR = Site Investigation Report (RIDEM)
 RACR = Remedial Action Completion Report
 FS = Feasibility Study
 PP = Proposed Plan
 ROD = Record of Decision
 T = Tank
 LTM = Long-term Monitoring