



Naval Facilities Engineering Command - Atlantic Vieques, Puerto Rico

Status Report for the Vieques Restoration Advisory Board

Through July 2010

This report provides the Restoration Advisory Board (RAB) with a status of on-going work at the Solid Waste Management Units and Areas of Concern (SWMUs and AOCs) on the former Naval Ammunition Support Detachment (NASD) property in western Vieques and an overview of the Environmental Restoration and Munitions Response activities. The following is a summary of the activities completed through July 2010, and the activities planned for completion for the next few months.

ENVIRONMENTAL RESTORATION PROGRAM

WEST VIEQUES

- PREQB approved the proposed No Further Action (NFA) under CERCLA for nine west Vieques sites (solid waste management units [SWMUs] 5, 10, 14, 15; areas of concern [AOCs] B, C, F, K, and L) in February 2007.
- **AOC E (Former Waste Oil Tank)**
The Draft Final Remedial Investigation (RI) Report for AOC E was issued to the RAB in June 2008. No RAB comments were received. The Final RI Report was issued in July 2008. Based on the recommendations in the RI Report, additional sampling to support a Feasibility Study (FS) or pilot study for AOC E was conducted in July 2008. Evaluation of the data indicated the concentrations of contaminants at the site have declined over time since the removal of the Underground Tank (UST) in 1996. Evaluation of the data further suggested an onsite pilot study (in lieu of an FS) was appropriate to evaluate the capability of a particular remedial technology to accelerate remediation of soil and groundwater contamination. A memorandum detailing the rationale and approach for the pilot study was submitted for regulatory consideration in December 2008. Based on subsequent discussions between the regulatory agencies and the Navy, a work plan for conducting the pilot study was submitted to the regulatory agencies in June 2009. Regulatory comments on the Draft Pilot Study Work Plan were received in August 2009. The comments were resolved and the Draft Final Work Plan issued to the RAB in January 2010. No RAB comments were received. The Final Pilot Study Work Plan was issued in February 2010 and the pilot study commenced in March 2010. It is anticipated that the pilot study will continue for 2 to 3 years, during which time periodic data

Note: This summary is presented in English and Spanish for the convenience of the reader. Every effort has been made for the translations to be as accurate as reasonably possible. However, readers should be aware that the English version of the text is the official version.

Nota: Este resumen se presenta en inglés y en español para la conveniencia del lector. Se han hecho todos los esfuerzos para que la traducción sea precisa en lo más razonablemente posible. Sin embargo, los lectores deben estar al tanto que el texto en inglés es la versión oficial.

collection will occur to assess the ongoing performance of the pilot study. Since issuance of the Final Pilot Study Work Plan, a baseline groundwater sampling event (March 2010) and two oxidant implementation events (March and June 2010) have occurred.

- **AOC H (Abandoned Power Plant)**

Based on the RI Report findings, a No Further Action Proposed Plan was made available to the public on January 28, 2008 for a 45-day public comment period. A public meeting to present and discuss the Proposed Plan was held on February 7, 2008. No public comments were submitted to the Navy or EPA (other than questions asked at the Public Meeting). Based on the Proposed Plan, the Record of Decision was signed by the Navy, EPA, and PREQB in September 2008, which released the site from CERCLA without restriction.

- **AOC I (Former Asphalt Mixing Plant)**

The Draft Final RI Report was prepared and issued to the RAB in April 2008. No RAB comments were received on the Draft Final RI Report. The Final RI Report was issued in June 2008. Based on the recommendations in the RI Report, additional sampling to support an FS or pilot study for AOC I was conducted in July 2008. Evaluation of the data indicated the concentrations of contaminants at the site have declined over time since termination of asphalt plant operations in 1998. Evaluation of the data further suggested an onsite pilot study (in lieu of an FS) was appropriate to evaluate the capability of a particular remedial technology to accelerate remediation of groundwater contamination. A memorandum detailing the rationale and approach for the pilot study was submitted for regulatory consideration in November 2008. Based on subsequent discussions between the regulatory agencies and the Navy, a work plan for conducting the pilot study was submitted to the regulatory agencies in June 2009. Regulatory comments on the Draft Pilot Study Work Plan were received in August 2009. The comments were resolved and the Draft Final Work Plan issued to the RAB in January 2010. No RAB comments were received. The Final Pilot Study Work Plan was issued in February 2010 and the pilot study commenced in March 2010. It is anticipated that the pilot study will continue for 2 to 3 years, during which time periodic data collection will occur to assess the ongoing performance of the pilot study. Since issuance of the Final Pilot Study Work Plan, a baseline groundwater sampling event (March 2010) and an oxidant implementation event (March 2010) have occurred.

- **AOC J (Former Operations/Staging Area Disposal Site)**

The Final RI Report for AOC J was issued in May 2007. Because waste at the site may have posed a potential risk of future releases of contaminants, the RI Report recommended a waste removal action.

Regulatory agency approval of the Removal Action Work Plan was received in February 2008. Based on the approved work plan, waste profile sampling to determine the appropriate disposition of soil associated with the waste was conducted in February 2008. Risk assessments were performed on the sample data to help determine the appropriate disposition of soil that may be excavated as part of the waste removal action. The risk assessments were submitted for regulatory review in October 2008. Physical removal of the waste and confirmatory sampling was completed in mid 2009 following regulatory approval of the risk assessments. A construction completion report

detailing the removal action activities was submitted to the regulatory agencies in September 2009. Regulatory agency comments were received in November 2009 (PREQB) and February 2010 (EPA). The final construction completion report was issued in March 2010. Human health and ecological risk assessments using the confirmatory data were completed and submitted for regulatory agency review in July 2010.

- **AOC R (Former Staging and Operations Area)**

The RI field work, comprising monitoring well installation and surface water, sediment, soil, and groundwater sampling, began in December 2005 and was completed in March 2006. Preliminary evaluation of the analytical data suggests additional data were needed to adequately delineate the nature and extent of contamination and assess potential risks. This additional data collection took place in August 2009, following completion of the removal action. See the discussion above under AOC J regarding the removal action work, which included AOC R. The Draft RI Report was submitted for regulatory agency review in July 2010 and included the post-removal risk assessments.

- **SWMU 4 (Former Open Burn/Open Detonation OB/OD Unit)**

A Remedial Investigation (RI) was performed at SWMU 4 in 2007. Preliminary evaluation of the RI data suggested additional sampling was warranted to sufficiently characterize the site. The rationale for additional sampling and the proposed locations was submitted to the regulatory agencies in November 2007. Regulatory comments on the proposed additional sampling were received in January 2008. The comments were resolved in March 2008. The Final Work Plan Addendum was issued and the additional samples were collected between April and August 2008. The Draft RI Report was submitted for regulatory review in August 2009. Regulatory agency comments were received October (PREQB) and November (EPA) 2009. Based on inter-agency discussions, the risk assessments included in the Draft RI Report were revised to reflect updated risk screening values and to align with the recently revised risk assessment protocols for Vieques. The revised risk assessments were submitted for regulatory agency review in May 2010. Regulatory comments were received in June 2010 (EPA and PREQB). Comment resolution is currently underway.

- **SWMU 6 (Mangrove Disposal Site at Kiani Lagoon)**

The Final SWMU 6 RI Report was issued in February 2007. Because waste at the site may have posed a potential risk of future releases of contaminants, the RI Report recommended a waste removal action. See the discussion above under AOC J regarding the removal action work, which included SWMU 6. Based on preliminary evaluation of the post-removal confirmatory data, additional data collection has been deemed warranted. The Draft Work Plan for collection of additional data at SWMU 6 was issued for regulatory agency review in May 2010.

- **SWMU 7 (Quebrada Disposal Site)**

The Final SWMU 7 RI Report was issued in March 2008. Because the waste at the site may have posed a potential risk of future releases of contaminants, the RI Report recommended a waste removal action. See the discussion above under AOC J regarding the removal action work, which included SWMU 7.

EASTERN VIEQUES

- **Original 12 SWMUs/AOCs Contained in the RCRA Consent Order**

The Draft Final PA/SI Report (which included 8 PI/PAOC sites, as stated below) was issued to the RAB in April 2008. No RAB comments were received. The Final Report was issued in June 2008. Based on the findings in the PA/SI Report, an Expanded SI was recommended for 7 of the original 12 Consent Order sites; no action was recommended for 4 of the sites; and no action pending the outcome of a groundwater study was recommended for the remaining site.

A Draft No Action Decision Document for the aforementioned 4 Consent Order sites (together with 6 PI/PAOC sites [see below]) was submitted for regulatory agency review in August 2008. Regulatory comments were received in October 2008. The comments were resolved and the Draft Final No Action Decision Document issued to the RAB in December 2008. No RAB comments were received. The Final No Action Decision Document was issued in January 2009.

A Draft SI/Expanded SI Work Plan for the aforementioned 7 Consent Order sites (together with 16 PI/PAOC sites [see below]) was submitted for regulatory agency review in July 2008. Regulatory comments were received in August (PREQB) and October (EPA) 2008. Resolution of the preliminary responses to the comments was achieved and the Draft Final SI/Expanded SI Work Plan was issued to the RAB in January 2009. No RAB comments were received. The Final SI/Expanded SI Work Plan was issued in February 2009. The SI/Expanded SI fieldwork took place between February and July 2009. The Draft SI/Expanded SI Report was submitted for regulatory agency review in October 2009. Regulatory agency comments were received in December 2009 (PREQB) and January 2010 (EPA). Comments were resolved and the Draft Final SI/Expanded SI Report was issued to the RAB in July 2010.

A Draft No Action Decision Document for the aforementioned 7 Consent Order sites (together with 14 PI/PAOC sites [see below]) was submitted for regulatory agency review in June 2010.

- **PI/PAOC sites (24 sites currently in the Environmental Restoration Program)**

The Draft Final PA/SI Report (which included the Consent Order sites discussed above) for 8 PI/PAOC sites was issued to the RAB in April 2008. No RAB comments were received. The Final Report was issued in June 2008. Based on the findings in the PA/SI Report, an Expanded SI was recommended for 5 of the 8 PI/PAOC sites; no action was recommended for 1 of the sites; and no action pending the outcome of a groundwater study was recommended for the remaining 2 sites.

For the remaining 16 PI/PAOC sites, the regulatory agencies and Navy met in October 2007 to discuss the path forward for each of the sites. The meeting included a site visit to the majority of the sites. Five sites were determined to require no action. An SI was determined to be necessary for the remaining 11 sites.

The sites requiring an SI were included in the SI/Expanded SI Work Plan and Report discussed above. The sites requiring no action (based on the PA/SI Report) were included in the No Action Decision Document discussed above. A Draft No Action

Decision Document for 14 of the remaining PI/PAOC (together with 7 Consent Order sites [see above]) was submitted for regulatory agency review in June 2010.

- **Eastern Conservation Area (ECA)**

The Draft RI Work Plan for characterizing environmental conditions within the ECA was submitted for regulatory agency review in May 2010.

MUNITIONS RESPONSE PROGRAM

- Progress through July 2010
 - 1,556 acres in the LIA, ECA and SIA have been surface cleared
 - All beaches (65 acres) have previously been surface cleared
 - Over 34,700 live munitions removed and destroyed
 - Approximately 15.7 million pounds of munitions debris (MD) and range related debris (RRD) has been recovered and is being processed for eventual shipment to a recycler.
 - Over 13.9 million pounds of MD and RRD have been shipped off island to be recycled
- Sub Surface investigation has been occurring in the LIA, ECA and SWMU 4; over 17,500 anomalies have been investigated

WEST VIEQUES

- Sub surface removal for munitions and explosives of concern (MEC) continues for the roads and beaches within SWMU 4. It is estimated that this interim measures action will continue for approximately five more weeks.
- **SWMU 4 (Former OB/OD Unit)**
In June, 2010 a Non Time Critical Removal Action (NTCRA) was completed at SWMU 4 to remove MEC in the subsurface of selected road and beaches. These roads and beaches were surveyed using geophysical detection instruments that were able to identify metallic items below the surface that are called anomalies. The MEC sub surface removal team will verify the location of the anomalies and excavated them to determine if the metal that caused the anomaly is MEC or some other metal debris. Approximately 39,000 anomalies have been investigated and 266 MEC or suspected MEC items have been removed from the sub surface. The remainder of the 39,000 anomalies was caused by other non hazardous metal debris.

EASTERN VIEQUES - Munitions Response Actions

- Two munitions removal actions have been initiated on East Vieques to remove the munitions identified on the land surface in order to reduce the explosive safety risk. One of the actions, a Time Critical Removal Action (TCRA) in the LIA and ECA is complete with the exception of lagoons that have not dried and the sub munitions area determined to be unsafe to clear without conducting a controlled burn. The second removal action, a Non Time Critical Removal Action, has been initiated to remove surface munitions from the SIA. During the two removal actions, Fifteen hundred fifty six acres have been surface cleared within the LIA, ECA, and SIA, significantly reducing

explosive risk in these areas. During these removal efforts over 34,700 munitions items have been removed, including over 12,000 extremely sensitive sub-munitions. Additionally, 65 acres of beaches have previously been surface cleared of munitions.

Another NTCRA is being conducted in portions of the former Vieques Naval Training Range (VNTR) and portions of the former Naval Ammunition Support Detachment (NASD). This NTCRA is being conducted to remove MEC in the subsurface of selected road and beaches. These roads and beaches have been surveyed using sophisticated geophysical detection instruments that are able to identify metallic items below the surface that are called anomalies. The MEC sub surface removal teams will identify the locations of the anomalies and excavate them to determine if the metal that caused the anomaly is MEC or some other metal debris. To date approximately 17,500 anomalies have been investigated and 1041 MEC or suspected MEC items have been removed from the sub surface. The remainder of the 17,500 anomalies was caused by other non hazardous metal debris.

- Air monitoring is being conducted to determine if there are metals or explosives releases above National Ambient Air Quality Standards from the BIP activities. To date no metals have exceeded the regulatory standards and no explosives have been detected at this location.
- The Final Expanded Range Assessment/Phase II Site Inspection work plan was submitted December 2006 and further investigation efforts to determine the munitions extent across the east side has been initiated including the subsurface geophysical surveys for the beach areas. The Phase II Site Inspection will also address munitions response sites not yet investigated, by conducting surface evaluations to determine if munitions items are present. The actual field work associated with the Phase II Site Inspection commenced 3 March, 2008 and was temporarily suspended in June. Site inspection activities started again in October 2008 and included an aerial magnetometer survey. The SI field investigation has been completed and the comprehensive SI report for MEC (including both phases of investigation) is under review by the regulators.

OTHER DOCUMENTS AND ACTIONS

- **Master Standard Operating Procedures, Protocols, and Plans**

The Draft Master Standard Operating Procedures, Protocols, and Plans document was submitted for regulatory review in July 2009. The Master plan document provides standard procedures for data collection, analysis, and evaluation as part of the environmental restoration program. Although project-specific deviations from the Master plan document may be warranted, the Master plan document facilitates consistency and efficiency across the program. Regulatory comments were received in September 2009. Following comment resolution, the Draft Final Master Standard Operating Procedures, Protocols, and Plans document was issued to the RAB in February 2010. No RAB comments were received. The Final Master Standard Operating Procedures, Protocols, and Plans document was issued in April 2010.

- **Federal Facility Agreement (FFA)**

The Federal Facility Agreement (FFA) was signed by the agencies: U.S. Environmental Protection Agency (EPA), U.S. Department of the Navy, and the Puerto Rico Environmental Quality Board (EQB) and Department of the Interior (DOI). The FFA had a Public Notice with a 45 days comment period. After the comments were addressed the Responsiveness Summary finalized. The FFA was effective beginning on March 28, 2008

- **Site Management Plan**

A Site Management Plan (SMP) was prepared in accordance with requirements defined in the FFA. The Draft Final SMP for FY2010 was submitted for public review on August 19 2009. A Draft SMP for FY2011 was submitted for regulatory review in June 2010.

PUBLIC INVOLVEMENT ACTIVITIES

Activity	Date
Burning Plan Public Hearing	09/24/08
RAB meeting	10/09/08
Vieques Newsletter distribution	11/2008
RAB meeting	01/28/09
Vieques events article	03/15/09
RAB meeting	04/30/09
Vieques Newsletter distribution	5/2009
RAB meeting	08/11/09
RAB meeting	11/04/09
Outreach event	11/18/09
Vieques Newsletter distribution	5/2010
RAB meeting	5/30/2010
RAB site Visit - Eastern Conservation Area	5/1/2010
RAB meeting	8/25/ 2010
RAB Workshop	8/24/2010

VIEQUES DOCUMENT SUBMITTAL UPDATE

(As of July 2010)

Site	Document	Submitted By Navy To Regulators or RAB for Review	Regulator or RAB Comments Submitted To Navy
West Vieques			
AOC E	Draft (revised) RI Report	December 2007	February and March 2008
	Preliminary responses to regulatory comments	April 2008	Comments resolved in June 2008
	Draft Final RI Report	Submitted to RAB in June 2008	No comments submitted
	Final RI Report submitted in July 2008	Not Applicable	Not Applicable
	Pilot Study Memorandum	December 2008	Not Applicable
	Draft Pilot Study Work Plan	June 2009	August 2009
	Draft Final Pilot Study Work Plan	Submitted to RAB January 2010	No comments submitted
	Final Pilot Study Work Plan	February 2010	Not Applicable
AOC H	Draft RI Report	April 2004	October 2005
	Preliminary responses to regulatory comments	January 2006	Discussed in May, September, and December 2006
	Draft Final RI Report	Submitted to RAB in May 2007	No comments submitted
	Final RI Report submitted in July 2007	Not Applicable	Not Applicable
	Draft Proposed Plan	August 2007	September 2007
	Preliminary responses to comments on Draft Proposed Plan	November 2007	Comments resolved in January 2008
	Final Proposed Plan and initiation of 45-day public comment period	January 28, 2007	Not Applicable

Site	Document	Submitted By Navy To Regulators or RAB for Review	Regulator or RAB Comments Submitted To Navy
	Draft Record of Decision	May 2008	July 2008
	Final Record of Decision signed by Navy, EPA, PREQB in September 2008	Not Applicable	Not Applicable
AOC I	Draft RI Report	November 2007	January 2008
	Preliminary responses to comments	March 2008	Comments resolved in April 2008
	Draft Final RI Report	Submitted to RAB in April 2008	No comments submitted
	Final RI Report submitted in June 2008	Not Applicable	Not Applicable
	Pilot Study Memorandum	November 2008	Not Applicable
	Draft Pilot Study Work Plan	June 2009	August 2009
	Draft Final Pilot Study Work Plan	Submitted to RAB January 2010	No comments submitted
AOC R	Final RI Work Plan submitted in November 2005	Not Applicable	Not Applicable
	Draft EE/CA	August 2005	October 2005
	Final EE/CA	Submitted to RAB/Public in December 2005	Not Applicable
	Draft Removal Action Work Plan	November 2005	March 2006
	Revised Draft Removal Action Work Plan	April 2007	June 2007
	Response to comments and revised Removal Action Work Plan	August 2007	January 2008
	Draft Final Removal Action Work Plan	January 2008	Regulatory agency approval in February 2008
	Waste Characterization HHRA Interim Deliverables	July 2008	August 2008

Site	Document	Submitted By Navy To Regulators or RAB for Review	Regulator or RAB Comments Submitted To Navy
	Waste Characterization HHRA and ERA Draft Construction Completion Report Final Construction Completion Report Draft RI Report	October 2008 September 2009 March 2010 July 2010	December 2008 November 2009 (PREQB) February 2010 (EPA) Not Applicable
SWMU 4	Draft RI Work Plan Preliminary responses to regulatory comments Draft Final Work Plan Final Work Plan submitted in January 2007 Proposed additional sampling locations Preliminary responses to comments Final Work Plan addendum submitted in April 2008 HHRA Interim Deliverable Draft RI Report Revise Risk Assessments	June 2004 April 2006 Submitted to RAB in November 2006 Not Applicable November 2007 February 2008 Not Applicable October 2008 August 2009 May 2010	January 2006 Discussed in May and September 2006 Not Applicable Not Applicable January 2008 Comments resolved in March 2008 Not Applicable October 2008 (EPA) November 2008 (PREQB) October 2009 (PREQB) November 2009 (EPA) June 2010
SWMU 6	Draft RI Report Preliminary responses to regulatory comments Final RI Report submitted in February 2007 Draft EE/CA	April 2004 August 2006 Not Applicable August 2005	June 2006 Discussed in December 2006 Not Applicable October 2005

Site	Document	Submitted By Navy To Regulators or RAB for Review	Regulator or RAB Comments Submitted To Navy
	<p>Final EE/CA</p> <p>Draft Removal Action Work Plan</p> <p>Revised Draft Removal Action Work Plan</p> <p>Responses to comments and revised Removal Action Work Plan</p> <p>Draft Final Removal Action Work Plan</p> <p>Waste Characterization HHRA Interim Deliverables</p> <p>Waste Characterization HHRA and ERA</p> <p>Draft Construction Completion Report</p> <p>Final Construction Completion Report</p> <p>Draft Post-Removal Supplemental Sampling Work Plan</p>	<p>Submitted to RAB/Public in December 2005</p> <p>November 2005</p> <p>April 2007</p> <p>August 2007</p> <p>January 2008</p> <p>July 2008</p> <p>October 2008</p> <p>September 2009</p> <p>March 2010</p> <p>May 2010</p>	<p>Not Applicable</p> <p>March 2006</p> <p>June 2007</p> <p>January 2008</p> <p>Regulatory agency approval in February 2008</p> <p>August 2008</p> <p>December 2008</p> <p>November 2009 (PREQB) February 2010 (EPA)</p> <p>Not Applicable</p>
SWMU 7	<p>Response to comments on Draft RI Report</p> <p>Final RI Report</p> <p>Draft EE/CA</p> <p>Final EE/CA</p> <p>Draft Removal Action Work Plan</p> <p>Revised Draft Removal Action</p>	<p>November 2004</p> <p>March 2008</p> <p>August 2005</p> <p>Submitted to RAB/Public in December 2005</p> <p>November 2005</p> <p>April 2007</p>	<p>Discussed in September 2006</p> <p>Not Applicable</p> <p>October 2005</p> <p>Not Applicable</p> <p>March 2006</p> <p>June 2007</p>

Site	Document	Submitted By Navy To Regulators or RAB for Review	Regulator or RAB Comments Submitted To Navy
	Work Plan Responses to comments and revised Removal Action Work Plan Draft Final Removal Action Work Plan Waste Characterization HHRA Interim Deliverables Waste Characterization HHRA and ERA Draft Construction Completion Report Final Construction Completion Report Draft Post-Removal-Action Risk Assessments	August 2007 January 2008 July 2008 October 2008 September 2009 March 2010 July 2010	January 2008 Regulatory agency approval in February 2008 August 2008 December 2008 November 2009 (PREQB) February 2010 (EPA) Not Applicable
AOC J	Draft RI Report Preliminary responses to regulatory comments Final RI Report Draft EE/CA Final EE/CA Draft Removal Action Work Plan Revised Draft Removal Action Work Plan Responses to comments and revised Removal Action Work Plan Draft Final Removal Action Work Plan	April 2004 May 2006 May 2007 August 2005 Submitted to RAB/Public in December 2005 November 2005 April 2007 August 2007 January 2008	January 2006 Discussed in December 2006 Not Applicable October 2005 Not Applicable March 2006 June 2007 January 2008 Regulatory agency approval in February 2008

Site	Document	Submitted By Navy To Regulators or RAB for Review	Regulator or RAB Comments Submitted To Navy
	Waste Characterization HHRA Interim Deliverables	July 2008	August 2008
	Waste Characterization HHRA and ERA	October 2008	December 2008
	Draft Construction Completion Report	September 2009	November 2009 (PREQB) February 2010 (EPA)
	Final Construction Completion Report	March 2010	Not Applicable
	Draft Post-Removal-Action Risk Assessments	July 2010	
NFA Sites	PREQB Response to Public Comments on No Further Action Report	Not Applicable	Not Applicable
	Final NFA Report	October 2006	PREQB issued a Resolution and Notification concurring with NFA in February 2007
Eastern Vieques			
SIA	Draft Work Plan for Removal of Surface MEC Draft Final Work Plan for Removal of Surface MEC Final Work Plan for Removal of Surface MEC	July 14, 2008 November 27, 2008 January 2009	
SIA	Draft EE/CA for Surface MEC Draft Final EE/CA for Surface MEC Draft Final EE/CA for Surface MEC Removal Final EE/CA for Surface MEC Removal	June 24, 2008 August 2008 September 2008 October 22, 2008	
LIA, SIA, EMA	Draft ERA/Phase II SI Work Plan Amendment Final ERA/Phase II SI Work Plan Amendment	July 14, 2008 September 2008	
LIA, SIA, EMA	Revised Draft ERA/Phase I Site Inspection Report	May 2007	
Former VNTR	Draft EE/CA for subsurface removal of MEC of roads and beaches	May 2007	July, 2007

Site	Document	Submitted By Navy To Regulators or RAB for Review	Regulator or RAB Comments Submitted To Navy
	Draft Final EE/CA for subsurface removal of MEC at roads and beaches Final EE/CA for subsurface removal of MEC at roads and beaches Draft Work Plan for subsurface removal of MEC of roads and beaches Draft Final Work Plan for subsurface removal of MEC of roads and beaches Final Work Plan for subsurface removal of MEC of roads and beaches	To RAB October 3 2007 February 6, 2008 February 6, 2008 August 2008 October 22, 2008	
East Vieques Munitions Sites	Final MEC Master Work Plan	Final Submission – November 2006	
Various Munitions Response Sites and Beaches on East Vieques	Final Expanded Range Assessment/Phase II Site Inspection Work Plan	Final submission – December 2006. Editorial comments addressed and submitted – January 2007	
Background Soil	Revised Draft Final Background Soil Inorganics Investigation Work Plan Final Background Soil Inorganics Investigation Work Plan Draft Background Soil Inorganics Investigation Report Preliminary responses to comments Draft Final Background Soil Inorganics Report Final Background Soil Inorganics Report submitted in October 2007	Public Comments Submitted to EPA in June 2005 Not Applicable January 2007 May 2007 Submitted to RAB August 2007 Not Applicable	November 2005 Not Applicable April 2007 Comments resolved July 2007 No written RAB comments submitted; verbal comments addressed via conference call Not Applicable
ECA	Draft RI Work Plan	May 2010	
Original 12 Consent Order	Data Summary Report	May 2005	Not Applicable

Site	Document	Submitted By Navy To Regulators or RAB for Review	Regulator or RAB Comments Submitted To Navy
Sites	Draft PA/SI Report	November 2007	January 2008
	Preliminary responses to comments	March 2008	Comments resolved in April 2008
	Draft Final PA/SI Report	Submitted to RAB in April 2008	No comments received
	Final PA/SI Report submitted in June 2008	Not Applicable	Not Applicable
	Draft SI/Expanded SI Work Plan (7 sites)	July 2008	August 2008 (PREQB) October 2008 (EPA)
	Draft No Action Decision Document (4 sites)	August 2008	October 2008
	Draft Final No Action Decision Document (4 sites)	Submitted to RAB December 2008	No comments received
	Final No Action Decision Document (4 sites)	January 2009	Not Applicable
	Draft Final SI/Expanded SI Work Plan (7 sites)	Submitted to RAB January 2009	No comments received
	Final SI/Expanded SI Work Plan (7 sites)	February 2009	Not Applicable
	Draft SI/Expanded SI Report	October 2009	December 2009 (PREQB) January 2010 (EPA)
	Draft Final SI/Expanded SI Report	July 2010	
	Draft No Action Decision Document (7 sites)	June 2010	
PI/PAOC Sites	Final PA/SI Work Plan (8 sites)	January 2006	Not Applicable
	Draft PA/SI Report (8 sites)	November 2007	January 2008
	Preliminary responses to comments	March 2008	Comments resolved in April 2008
	Draft Final PA/SI Report (8 sites)	Submitted to RAB in April 2008	No comments received
	Final PA/SI Report (8 sites)		

Site	Document	Submitted By Navy To Regulators or RAB for Review	Regulator or RAB Comments Submitted To Navy
	Draft SI/Expanded SI Work Plan (16 sites)	June 2008 July 2008	Not Applicable August 2008 (PREQB) October 2008 (EPA)
	Draft No Action Decision Document (6 sites)	August 2008	October 2008
	Draft Final No Action Decision Document (6 sites)	Submitted to RAB December 2008	No comments received
	Final No Action Decision Document (6 sites)	January 2009	Not Applicable
	Draft Final SI/Expanded SI Work Plan (16 sites)	Submitted to RAB January 2009	No comments received
	Final SI/Expanded SI Work Plan (16 sites)	February 2009	Not Applicable
	Draft SI/Expanded SI Report	October 2009	December 2009 (PREQB) January 2010 (EPA)
	Draft Final SI/Expanded SI Report	July 2010	June 2010
	Draft No Action Decision Document (14 sites)	June 2010	
	Draft Time Critical Removal Action, After Action Report	April 2010	
Baseline Groundwater	Draft Final Groundwater Baseline Investigation Report	May 2005	Not Applicable