Status of NAPR Cleanup Program Sites Under RCRA

The Resource Conservation and Recovery Act, commonly known as RCRA, was enacted by Congress in 1976 to address how to safely manage and dispose of the volumes of municipal and industrial solid waste generated nationwide.

One of the key provisions of the law requires owners and operators of facilities covered by RCRA to clean up contamination resulting from present and past practices. These clean-up activities are known as corrective action.

The Navy is performing clean up on the Former Naval Station Roosevelt Roads, now referred to as Naval Activity Puerto Rico (NAPR) in accordance with RCRA. Below is a description of each of the steps in the RCRA corrective action process applicable to the various NAPR sites the Navy is cleaning up. The flow chart on the reverse side shows how NAPR sites are progressing in the clean-up process

- RCRA Facility Assessment (RFA) Often the RFA is the first step in the corrective action process. The RFA
 compiles existing information on environmental conditions at a facility, including information on actual or
 potential releases.
- RCRA Facility Investigation (RFI) The RFI takes place when releases, or potential releases, have been identified and further investigation is necessary. The purpose of the RFI is to gather enough information to sufficiently characterize the nature and extent of contaminants to determine the appropriate response action.
 Risk assessments are also conducted as part of the RFI. The risk assessments estimate the risks to people's health and the environment from potential exposure to the contaminants at a site.
- Corrective Measures Study (CMS) After the RFI is completed, if cleanup is necessary, the CMS identifies and
 evaluates cleanup approaches that may be selected.
- **Statement of Basis** After review of the CMS, a Statement of Basis is developed which describes the basis for corrective measure selection. Members of the public are provided with an opportunity to comment on the corrective measure.

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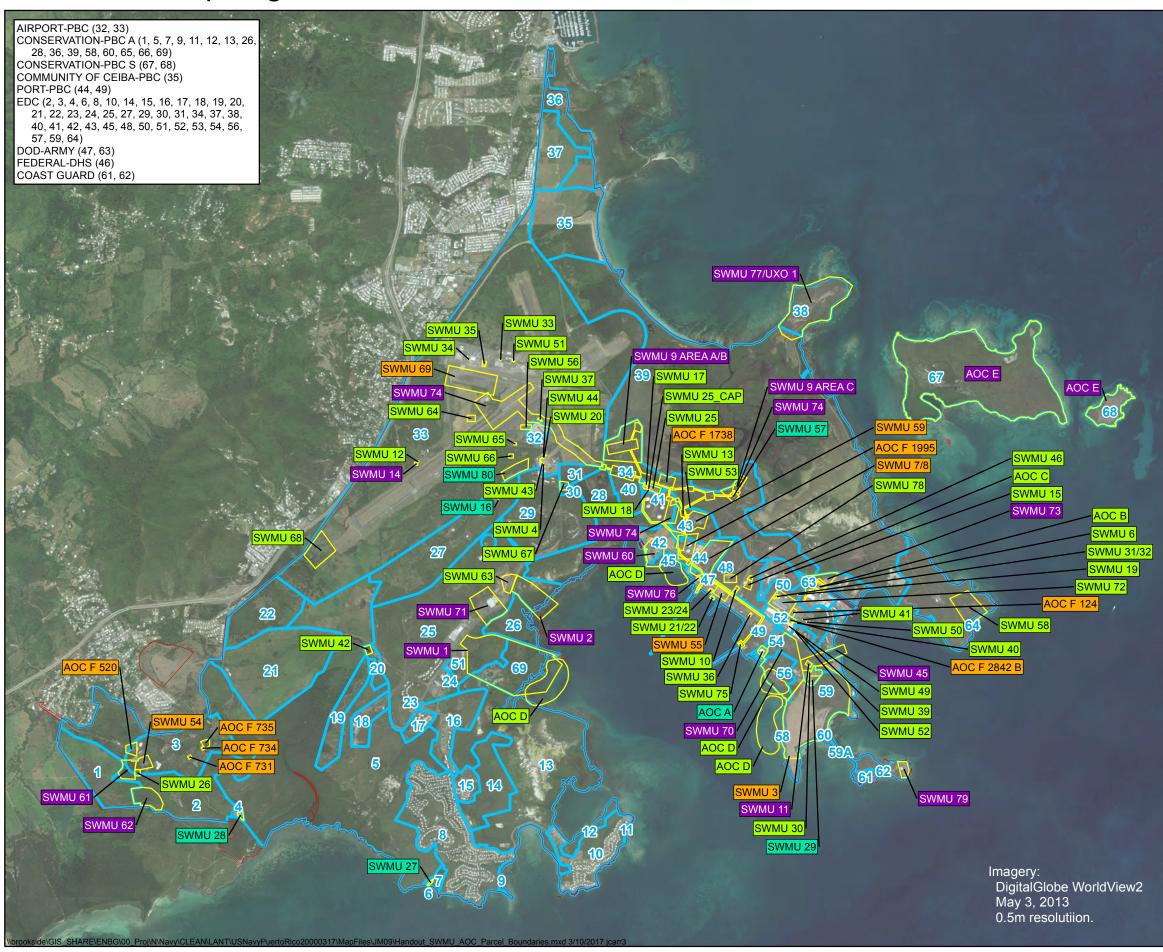
- Corrective Measures Implementation (CMI) Once a corrective measure has been selected, the facility enters the CMI phase of corrective action. During the CMI, the owner/operator of the facility implements the chosen corrective measure. The CMI includes design, construction, operation, maintenance, and monitoring of the chosen corrective measure.
- Site Closure A Corrective Action Complete determination is issued when investigations are complete and contamination levels are reduced to applicable levels. Corrective Action Complete determinations may be made "With" or "Without" controls in place. The approved controls may be engineered controls such as waste treatment or containment and/or administrative controls such as land or water use controls.

Status of NAPR Cleanup Program Sites Under RCRA

June 2017

DCDA Eacility				Site Closure)
DCDA Eacility				AOC B	Building 25
Í	Investigation/Corrective Measures Study	-		AOC C	Discarded Transformer and Electrical Equipment and Accumulation Area
AOC E	Offshore Islands Pineros and Cabeza de Perro	RCRA Facility	į	AOC D	Ensenada Honda Sediments
SWMU 1	Former Army Cremator Disposal Site	Assessment	i	SWMU 4	Building 860 Oil/Water Separator
(UXO 2)			i	SWMU 5	Miscellaneous Metal Dumpsters
SWMU 2	Former Langley Drive Disposal Site	Yes	i	SWMU 6	Building 145
SWMU 9	Tanks 212-217 Sludge Disposal Pits		i	SWMU 10	Building 90/Substation 2
	Building 38 Interior/Exterior	RCRA Facility	Human Health Risk	SWMU 12	Fire Training Area Oil/Water Separator
	Fire Training Area	Investigation	Assessment	SWMU 13	Old Pest Control Shop
	Former Landfill at the Marina	Yes	Ecological	SWMU 15	Former Hospital Incinerator
			Risk	SWMU 17	Building 1973 Hazardous Waste Container Storage Area
	Former Bundy Area Maintenance Facilities	Corrective	Assessment	SWMU 18	Building 2009, Hazardous Waste Contain
SWMU 62	Former Bundy Disposal Area	Measures	Risk Management	OVVIIIO 10	Storage Area
SWMU 70	Disposal Area Northwest of Landfill	Study	Management	SWMU 19	Building 121 Pesticides Storage Area
SWMU 71	Quarry Disposal Site		_	SWMU 20	Building 860 Waste Oil Storage Area
SWMU 73	DRMO Scrap Metal Recycling Yard			SWMU 21	Floating Oil Spill Clean-up "Donuts"
SWMU 74	Fuel Pipelines and Hydrant Pits	NO NO)	SWMU 22	Ship Waste Offload Barges
	Building 2300			SWMU 23 SWMU 24	Oil Spill Separator Tanks
SWMU 77/	Small Arms Range (and former open burning/open			SWMU 24 SWMU 25	Oil Spill Oil/Water Separator DRMO Storage Yard
UXO 1	detonation (OB/OD) areas located on peninsula on			SWMU 26	Building 544 Uncontrolled Storage Area
	Punta Medio Mundo)			SWMU 30	Former Incinerator
SWMU 79	Cabras Island	Statement		SWMU 31/32	Waste Oil Collection Area and Battery Collection Area
		of Basis		SWMU 33	Building 379 Waste Storage Area
				SWMU 34	Waste Oil and Fuels Storage Area at Airfie
		No Yes		SWMU 35	Building 396 Oil/Water Separator
		 Ψ	<i>'</i>	SWMU 36	Oil/Water Separator at Berthing Pier
				SWMU 37	Building 200/Waste Oil Storage Area
			Comment of the second	SWMU 38	Sanitary and Storm Water Sewer Systems
	(Deci-		Corrective Measures	SWMU 39	Building 3158/Former Battery Drain Area
Statement of AOC A	T Basis Torpedo Shop		plementation	SWMU 40	Waste Oil Accumulation Tank at Alpha Company Maintenance Yard
SWMU 16	Building 1666, Waste Explosives Storage Area			SWMU 41	Building 3152 Pesticide Storage Area
				SWMU 42 SWMU 43	Water Purification Plant Lagoons Building 860 Concrete Storm Water Drain
SWMU 27	Capehart Sewage Treatrment Plant			SWMU 44	Aerial Target Yard Storm Water
SWMU 28 SWMU 29	Bundy SewageTreatment Plant Industrial Area Wastewater Treatment Plant	* * *		SWMU 46	Drainage Ditch Pole Storage Yard Covered Pad
SWMU 57		Site Closure			i die Stolage Talu Govereu Lau
SVVIVIU 3/ 1	Facility No. 278 POL Drum Storage Area				Miscellaneous "Satellite" Disposal Areas
SMWU 80	Drainage Ditch Near Building 207	Corrective Action		SWMU 47 SWMU 48	Miscellaneous "Satellite" Disposal Areas Waste Oil Storage Rack Near Building 3102
	Drainage Ditch Near Building 207	Corrective Action Complete	,	SWMU 47	Waste Oil Storage Rack
	Drainage Ditch Near Building 207			SWMU 47 SWMU 48 SWMU 49 SWMU 50	Waste Oil Storage Rack Near Building 3102 Waste Oil Accumulation Tank Near Building 3188 Uncontrolled Storage Area Near Building 3166
SMWU 80		Complete With/Without		SWMU 47 SWMU 48 SWMU 49 SWMU 50 SWMU 51	Waste Oil Storage Rack Near Building 3102 Waste Oil Accumulation Tank Near Building 3188 Uncontrolled Storage Area Near Building 3166 Building 379/New AIMD Storage Pad
SMWU 80	easures Implementation	Complete With/Without		SWMU 47 SWMU 48 SWMU 49 SWMU 50 SWMU 51 SWMU 52	Waste Oil Storage Rack Near Building 3102 Waste Oil Accumulation Tank Near Building 3188 Uncontrolled Storage Area Near Building 3166 Building 379/New AIMD Storage Pad Building 3158 Waste Storage Pad
SMWU 80 Corrective Me	easures Implementation MNA Sites	Complete With/Without		SWMU 47 SWMU 48 SWMU 49 SWMU 50 SWMU 51 SWMU 52 SWMU 53	Waste Oil Storage Rack Near Building 3102 Waste Oil Accumulation Tank Near Building 3188 Uncontrolled Storage Area Near Building 3166 Building 379/New AlMD Storage Pad Building 3158 Waste Storage Pad Building 64 Malaria Control Building
Corrective Me AOC F SWMU 3	easures Implementation MNA Sites Base Landfill	Complete With/Without		SWMU 47 SWMU 48 SWMU 49 SWMU 50 SWMU 51 SWMU 52 SWMU 53 SWMU 56	Waste Oil Storage Rack Near Building 3102 Waste Oil Accumulation Tank Near Building 3188 Uncontrolled Storage Area Near Building 3166 Building 379/New AIMD Storage Pad Building 3158 Waste Storage Pad Building 64 Malaria Control Building Hanger 200 Apron
Corrective Me AOC F SWMU 3 SWMU 7/8	easures Implementation MNA Sites Base Landfill Tow Way Fuel Farm	Complete With/Without		SWMU 47 SWMU 48 SWMU 49 SWMU 50 SWMU 51 SWMU 52 SWMU 53	Waste Oil Storage Rack Near Building 3102 Waste Oil Accumulation Tank Near Building 3188 Uncontrolled Storage Area Near Building 3166 Building 379/New AlMD Storage Pad Building 3158 Waste Storage Pad Building 64 Malaria Control Building
Corrective Me AOC F SWMU 3 SWMU 7/8 SWMU 54	easures Implementation MNA Sites Base Landfill Tow Way Fuel Farm Building 1914, Former NEX	Complete With/Without		SWMU 47 SWMU 48 SWMU 49 SWMU 50 SWMU 51 SWMU 52 SWMU 53 SWMU 56 SWMU 58 SWMU 63 SWMU 64	Waste Oil Storage Rack Near Building 3102 Waste Oil Accumulation Tank Near Building 3188 Uncontrolled Storage Area Near Building 3166 Building 379/New AIMD Storage Pad Building 3158 Waste Storage Pad Building 64 Malaria Control Building Hanger 200 Apron Rifle Range at Punta Puerca Former Pistol Range at BEQ Former Skeet Range at Ofstie Field
Corrective Me AOC F SWMU 3 SWMU 7/8 SWMU 54	easures Implementation MNA Sites Base Landfill Tow Way Fuel Farm Building 1914, Former NEX Repair/Maintenance Shop	Complete With/ Without Controls No No potential or	actual release	SWMU 47 SWMU 48 SWMU 49 SWMU 50 SWMU 51 SWMU 52 SWMU 53 SWMU 56 SWMU 58 SWMU 63 SWMU 64 SWMU 65	Waste Oil Storage Rack Near Building 3102 Waste Oil Accumulation Tank Near Building 3188 Uncontrolled Storage Area Near Building 3166 Building 379/New AIMD Storage Pad Building 3158 Waste Storage Pad Building 64 Malaria Control Building Hanger 200 Apron Rifle Range at Punta Puerca Former Pistol Range at BEQ Former Skeet Range at Ofstie Field Former UST No. 208
Corrective Me AOC F SWMU 3 SWMU 7/8 SWMU 54	easures Implementation MNA Sites Base Landfill Tow Way Fuel Farm Building 1914, Former NEX Repair/Maintenance Shop TCE Groundwater Plume at Tow Way Fuel Farm	Complete With/ Without Controls No No potential or		SWMU 47 SWMU 48 SWMU 49 SWMU 50 SWMU 51 SWMU 52 SWMU 53 SWMU 56 SWMU 58 SWMU 63 SWMU 64 SWMU 65 SWMU 66	Waste Oil Storage Rack Near Building 3102 Waste Oil Accumulation Tank Near Building 3188 Uncontrolled Storage Area Near Building 3166 Building 379/New AIMD Storage Pad Building 3158 Waste Storage Pad Building 64 Malaria Control Building Hanger 200 Apron Rifle Range at Punta Puerca Former Pistol Range at BEQ Former Skeet Range at Ofstie Field Former UST No. 208 Former UST No. 289
Corrective Me AOC F SWMU 3 SWMU 7/8 SWMU 54 SWMU 55 SWMU 59	easures Implementation MNA Sites Base Landfill Tow Way Fuel Farm Building 1914, Former NEX Repair/Maintenance Shop TCE Groundwater Plume at Tow Way Fuel Farm Former Vehicle Maintenance and Refueling Area	Complete With/ Without Controls No No potential or or no unaccept	actual release able risk identified	SWMU 47 SWMU 48 SWMU 49 SWMU 50 SWMU 51 SWMU 52 SWMU 53 SWMU 56 SWMU 58 SWMU 63 SWMU 64 SWMU 65 SWMU 66 SWMU 67	Waste Oil Storage Rack Near Building 3102 Waste Oil Accumulation Tank Near Building 3188 Uncontrolled Storage Area Near Building 3166 Building 379/New AIMD Storage Pad Building 3158 Waste Storage Pad Building 64 Malaria Control Building Hanger 200 Apron Rifle Range at Punta Puerca Former Pistol Range at BEQ Former Skeet Range at Ofstie Field Former UST No. 208 Former Gas Station
Corrective Me AOC F SWMU 3 SWMU 7/8 SWMU 54 SWMU 55 SWMU 59	easures Implementation MNA Sites Base Landfill Tow Way Fuel Farm Building 1914, Former NEX Repair/Maintenance Shop TCE Groundwater Plume at Tow Way Fuel Farm	Complete With/ Without Controls No No potential or or no unaccept Yes Potential or act	actual release able risk identified cual release and	SWMU 47 SWMU 48 SWMU 49 SWMU 50 SWMU 51 SWMU 52 SWMU 53 SWMU 56 SWMU 58 SWMU 64 SWMU 65 SWMU 65 SWMU 66 SWMU 67 SWMU 68	Waste Oil Storage Rack Near Building 3102 Waste Oil Accumulation Tank Near Building 3188 Uncontrolled Storage Area Near Building 3166 Building 379/New AIMD Storage Pad Building 3158 Waste Storage Pad Building 64 Malaria Control Building Hanger 200 Apron Rifle Range at Punta Puerca Former Pistol Range at BEQ Former Skeet Range at Ofstie Field Former UST No. 208 Former Gas Station Former Southern Fire Training Area
Corrective Me AOC F SWMU 3 SWMU 7/8 SWMU 54 SWMU 55 SWMU 59	easures Implementation MNA Sites Base Landfill Tow Way Fuel Farm Building 1914, Former NEX Repair/Maintenance Shop TCE Groundwater Plume at Tow Way Fuel Farm Former Vehicle Maintenance and Refueling Area	Complete With/ Without Controls No No potential or or no unaccept	actual release able risk identified cual release and	SWMU 47 SWMU 48 SWMU 49 SWMU 50 SWMU 51 SWMU 52 SWMU 53 SWMU 56 SWMU 58 SWMU 63 SWMU 64 SWMU 65 SWMU 66 SWMU 67	Waste Oil Storage Rack Near Building 3102 Waste Oil Accumulation Tank Near Building 3188 Uncontrolled Storage Area Near Building 3166 Building 379/New AIMD Storage Pad Building 3158 Waste Storage Pad Building 64 Malaria Control Building Hanger 200 Apron Rifle Range at Punta Puerca Former Pistol Range at BEQ Former Skeet Range at Ofstie Field Former UST No. 208 Former Gas Station

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AOC\SWMU Boundary

Parcel Boundary

Boundary Naval Activity Puerto Rico

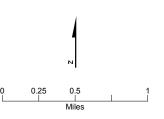


FIGURE 1
AOC, SWMU, and Parcel Boundaries
Naval Activity Puerto Rico
(Former Roosevelt Roads Facility)
Ceiba, Puerto Rico

