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NCEL

Technical Note

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A. Walker

Sponsored By Naval Facilities
Engineering Command

**INSTALLATION RESTORATION:
NAVY LANDFILLS
AND
EPA COVER GUIDANCE**

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ABSTRACT The Navy has 229 hazardous waste landfills that must be treated or capped. Treatment of these wastes is often complicated and expensive due to the wide range of contaminants present. Current technology does not meet the needs for remediating all 229 sites. An alternative to treatment is to design a long-term cover, or cap, for the landfill. Current EPA guidance allows for modifications which may reduce costs and increase life expectancy of a final cover system.

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NAVAL CIVIL ENGINEERING LABORATORY PORT HUENEME CALIFORNIA 93043-5003

METRIC CONVERSION FACTORS

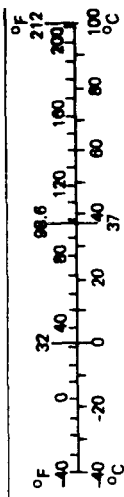
Approximate Conversions to Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
in ft yd mi	inches	2.5 30 0.9 1.6	centimeters	cm
	feet		centimeters	cm
	yards		meters	m
	miles		kilometers	km
in ² ft ² yd ² mi ²	square inches	6.5 0.09 0.8 2.6 0.4	square centimeters	cm ²
	square feet		square meters	m ²
	square yards		square meters	m ²
	square miles		square kilometers	km ²
	acres		hectares	ha
oz lb	ounces	28 0.45 0.9	grams	g
	pounds		kilograms	kg
	short tons (2,000 lb)		tonnes	t
tsp Tbsp fl oz c pt qt gal cu ft cu yd	teaspoons	5 15 30 0.24 0.47 0.95 3.8 0.03 0.76	milliliters	ml
	tablespoons		milliliters	ml
	fluid ounces		milliliters	ml
	cups		liters	l
	pints		liters	l
	quarts		liters	l
	gallons		liters	l
	cubic feet		cubic meters	m ³
°F	cubic yards	0.03 0.76	cubic meters	m ³
	temperature		temperature	°C

*1 in. = 2.54 (exactly). For other exact conversions and more detailed tables, see NBS Misc. Publ. 286, Units of Weights and Measures, Price \$2.25, SD Catalog No. C13.10.286.

Approximate Conversions from Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
mm cm m km	millimeters	0.04 0.4 3.3 1.1 0.6	inches	in
	centimeters		inches	in
	meters		feet	ft
	kilometers		yards	yd
cm ² m ² km ² ha	square centimeters	0.16 1.2 0.4 2.5	miles	mi
	square meters		square inches	in ²
	square kilometers		square yards	yd ²
	hectares (10,000 m ²)		square miles	mi ²
			acres	
g kg t	grams	0.035 2.2 1.1	ounces	oz
	kilograms		pounds	lb
	tonnes (1,000 kg)		short tons	
ml l m ³ m ³	milliliters	0.03 2.1 1.06 0.26 35 1.3	fluid ounces	fl oz
	liters		pints	pt
	liters		quarts	qt
	liters		gallons	gal
	cubic meters		cubic feet	ft ³
	cubic meters		cubic yards	yd ³
°C	Celsius temperature	9/5 (then add 32)	Fahrenheit temperature	°F
	temperature		temperature	



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EXECUTIVE SUMMARY

The Navy has 229 landfills spread over 1,761 acres that must be treated or capped. These landfills contain a variety of hazardous wastes, from pesticides to toxic metals and acid wastes. The current investigation summarizes the potential scope of cleanup by compiling a matrix that identifies all sites with a significant potential hazard. The matrix also includes site location and approximate size, summary of waste constituents, remedial investigation/feasibility study (RI/FS) status, leachate production, and potential for groundwater contamination.

Treatment technology for landfills is marginal and expensive; therefore, capping technology is rapidly evolving as a cost-effective alternative. Capping may provide a long-term solution by preventing migration of the contaminants offsite. This report documents the landfills that may potentially benefit from an improved capping technology. In addition, a brief description of current EPA guidance on capping technology is presented.



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INTRODUCTION

The Naval Civil Engineering Laboratory (NCEL) has been tasked by the Naval Facilities Engineering Command (NAVFAC) to investigate technologies suitable for capping hazardous waste landfills. This is due to the fact that the owner or operator of the landfill, or a surface impoundment closed as a landfill, must meet the closure requirements specified under the Code of Federal Regulations 40 CFR 264.310 or 40 CFR 265.310. In partial fulfillment of this task, a review has been conducted of known Navy hazardous waste landfill sites that may benefit from an improved capping technology. Current landfill capping technology is targeted for a 20-year lifespan. This has been found to be inadequate. The objective of capping research will be to not only extend the lifespan of the landfills, but also to improve their construction to avoid the problems of groundwater contamination, leachate production, erosion, and contaminated runoff.

The Navy has 229 sites on 100 installations, which cover a minimum of 1,761 acres. Many of these sites may be unlined, thus contributing to groundwater contamination. Alternatives include treatment of the waste, leachate, and groundwater, or containment of the hazard by capping or other engineered designs. This report documents all known Navy landfills (with a significant hazard ranking score, HRS), their location, waste constituents, and potential for groundwater contamination. When possible, their size in acres, or volume in tons, has also been listed. In addition, current Environmental Protection Agency (EPA) guidance for landfill capping has been investigated.

DEFINITIONS

The following terms are key phrases used in this report:

LANDFILL - Lined or unlined trench, pit, or other excavation area where wastes have been placed and periodically covered with soil which may or may not include leachate collection systems.

SURFACE IMPOUNDMENT - Lined pit or lagoon where uncontainerized liquid wastes have been discharged for disposal.

DISPOSAL PIT/DRY WELL - Unlined pit or dry well where uncontainerized wastes have been discharged for disposal.

CONTAMINATED FILL - Contaminated backfill.

PROBLEM DEFINITION

Over the decades, the Navy has accumulated large amounts of waste. Much of this waste has been amassed in landfills, burials, fills, and pits throughout the Navy. When these sites fill up, it becomes necessary to cover, or cap them. Landfill covers experience problems associated with water and wind erosion, lack of vegetation, excessive sunlight, and disturbance by people or soil-dwelling animals. Covered landfills may also experience water infiltration, uneven settlement, and displacement due to slope instability. Many of these problems are not adequately addressed by present technologies. "The performance of a capped and closed waste facility is critically important. If a breach should occur many years after closure, there is a high likelihood that maintenance forces would be unavailable. In that event, surface water could enter the facility with largely unknown consequences" (EPA/625/4-89/022) (Ref 1). Thus, there is a need for improving landfill cover technology.

Navy landfills may differ from other landfills due to their location. Most Navy landfills are located in coastal areas which contributes to increased penetration by water subsurface, or in areas of high precipitation, creating high infiltration and runoff. Currently, the Navy has a total of 229 sites that could benefit from better landfill cover technology. Of these sites, 196 are landfills, 23 are burials, and six are pits. The remaining four sites are fills and mine fills. These sites contain a variety of materials ranging from infectious waste to polychlorinated biphenyl (PCB) dielectric fluid to radiological waste. More common materials are paints, batteries, asbestos, solvents, fuels, and pesticides. For a more complete listing, see Tables 1 through 4.

Twenty of the sites have definite groundwater contamination. Of these, 19 are landfills and one is a burial. Of the remaining 209 sites, 73 have a possibility of groundwater contamination, varying from a very low potential to a high probability of contamination.

Another problem occurring at these sites is the presence of leachate. Fifteen sites reported the presence of leachate. Fourteen of these sites are landfills and one is a pit. Six additional sites reported the possibility of leachate being present.

Measures are being taken at some of these areas to ameliorate current groundwater and leachate problems and to prevent further contamination. Other sites are currently undergoing testing and analysis and will need to take action in the near future.

Table 1. Substances Present in Navy Landfills

batteries	lumber
paint (lead and mercury)	metal
asbestos	PCP
thinners	battery acid
construction waste	municipal waste
hazardous waste	waste oils
PCB dielectric fluid	oils
sodium fluoride	calcium hypochlorite
tear gas	glass beads
transformers	corrosives

Table 1. Continued

metal residue from ordnance	diazinon
burning	photo developer
fuels	brake fluid
asphalt	pesticides
sewage sludge	live ordnance
fuel tank sludges	nitrobenzene and lead
plating wastes	caustics
methylethyl ketone	trichloroethylene
trichloroethane	carbon tetrachloride
greases	phthalate
sand blast grit	avgas
mogas	mercury amalgam
resins	naphthalene
radium dials	magnatron tubes
ethylene glycol	radiological waste
infectious waste	acids
tritanol filler	concrete
electrical equipment	perchloroethylene
tires	plastic

Table 2. Substances Present in Navy Burials

tear gas	pesticides
sewage sludge	waste oils
unknown chemicals	PCBs
paint	thinners
solvents	DC-9 aircraft
hazardous fluids	asbestos
ordnance materials	electrical gear
transformers	firebricks containing
acids	cyanide salt and sludge
explosive compounds	dyes (toxic and carcinogenic)
mustard gas	thorium nitrates
scrap metal	coal ash
oil and grease emulsions	vehicles

Table 3. Substances Present in Navy Pits

ordnance	explosives
solvents	soil sterilants
spent electroless nickel solution	alkaline cleaning waste
sulfuric acid	anodizing waste
demolition charges	smokeless powder
grenades	projectiles
gun ammunition	rockets
construction debris	mixed pyrotechnics
oils	miscellaneous waste
asphalt	paint
firing range waste	chemicals

Table 4. Substances Present in Navy Fills

sandblast grit	steel grit
copper grit	lead grit
rust	paint
heavy metals	chemicals
waste oils	acid tank roofs
contaminated water	garbage
wood	JP-5
tetraethyl lead sludge	TNT (mine fill)
RDX (mine fill)	HMX (mine fill)

EPA GUIDANCE

The EPA provides design guidance on final cover systems for hazardous waste landfills and surface impoundments. EPA/530-SW-89-047 Technical Guidance Document (Ref 2) presents design and operating parameters that generally comply with the design and operating requirements and the closure and post-closure requirements of 40 CFR Part 264. Further information on the closure and post-closure regulations is found in Appendix A. The EPA believes that the final cover, if properly designed and constructed, can provide long-term protection of the unit from moisture infiltration due to precipitation. The cover system proposed by the EPA is outlined below and is represented in Figure 1. It is a multilayer design consisting of a vegetated top layer, a drainage layer, and a low-permeability layer. Optional layers may also be required under specific circumstances, as shown in Figure 2.

The EPA states that other final cover designs are acceptable upon determination that the alternative design fulfills the regulatory requirements.

BASIC COMPONENTS OF A COMPLETED LANDFILL

A brief narrative for each landfill component is provided below. For a more complete listing of components and definitions, please refer to the Technical Guidance Manual EPA/530-SW-89-047 (Ref 2).

Vegetative Layer

In the short term, the vegetative layer prevents wind and water erosion, minimizes the percolation of surface water into the waste layer, and maximizes evapotranspiration. In the long term, it functions to enhance aesthetics and to promote a self-sustaining ecosystem on top of the landfill. The latter function is of primary importance because the site may not be maintained for an indefinite period. Native covers are usually the best choice for the vegetative layer.

For sites on very arid land or on steep slopes, an armoring system, or hardened cap, may be more effective than a vegetative layer. Many States allow asphalt caps as an alternative to vegetative covers. These caps, however, need to be maintained and resealed every 5 years.

Cover Soil

The cover soil must have a minimum thickness of 2 feet. The final upper slope angles are to be from 3 to 5 percent, after allowing for final settlement and subsidence of the waste.

Biotic Barrier

The biotic barrier consists of a gravel and rock layer designed to prevent the intrusion of burrowing animals. This protection is primarily necessary around the cap but, in some cases, may also be needed at the bottom of the liner. Although animals cannot generally penetrate the flexible membrane cap (FMC), they can widen an existing hole or tear through wrinkled material. The proposed 1-meter thickness should effectively prevent penetration by all but the smallest insects. The biotic barrier also serves as the surface water collection/drainage layer. Barriers used in nuclear waste site caps may be up to 14 feet thick, with rocks several feet in diameter. These barriers are intended to prevent disruption by humans both now and in the future. Human intrusion, either accidental or intentional, can usually be forestalled by posting signs and erecting fences.

Surface Water Collection and Removal (SWCR)

SWCR prevents surface water infiltration by containing and systematically removing liquids that collect within it. Infiltration is a particular concern in nuclear and hazardous waste facilities, where gas vent stacks are found. A containment system should be designed to prevent water from entering the system through the vents. In addition, three design issues must be considered: (1) cover stability, (2) puncture resistance, and (3) ability to withstand considerable stress due to settlement of the waste. The SWCR will have a minimum thickness of 12 inches.

Flexible Membrane Cap (FMC)

The primary purpose of the FMC is to keep surface water off the landfill and to increase the efficiency of the drainage layer. It is not usually exposed to the leachate, so chemical compatibility is not an issue. FMCs are subject to greater strains than flexible membrane liners (FMLs) due to settlement of the waste. They must be able to resist penetration by construction equipment, rocks, roots, etc. Their proximity to the surface allows for accessibility to perform repairs as needed. A minimum thickness of 20 mils is currently (August 1989) the EPA requirement (Ref 1), however, a new 40-mil thickness is being proposed. The FMC is referred to as the FML in Figures 1 and 2 and in the Technical Guidance Document (Ref 2).

Compacted Clay

Compacted clay is composed of soil with a low permeability, and must have a minimum thickness of 2 feet. Beneath the clay lies an operational cover over the landfill waste.

NAVY LANDFILLS

The majority of information for this report is contained in Appendix B, which is a compilation of all Navy landfills, burials, pits, fills, and minefills based upon a 1988 study by PEER Consultants (Ref 3) and cross-checked with the most current (1990-91) listing from the Naval Energy and Environmental Support Activity's (NEESA's) installation restoration (IR) database. The table is arranged according to Engineering Field Division (EFD), with an overview at the beginning of each EFD. Within each EFD is a listing by installation of sites and a brief synopsis of their waste constituents, size, RI/FS status, leachate production, and groundwater contamination.

Hazard ranking system (HRS) scores are also noted. The HRS score is an estimate of a waste site's danger (based upon a minimum of actual data). The system is a matrix of four pathways of exposure; surface water, air, groundwater, and soil exposure. Three components are attached to each pathway: waste characteristics, targets likely to be affected, and likelihood of a chemical release. Each factor is given a weighted numerical value and placed into a model. Scores range between zero and 100. Any site with a value of 28.5 or higher is placed on the Superfund National Priority List (NPL) (Ref 4). From this information it is seen that the Navy has 229 landfill sites to clean up. The problem is common to all EFDs and must be addressed by 100 installations.

RECOMMENDATIONS

Due to the large number of landfill sites requiring treatment or capping, further research is recommended. The first area involves capping technology. The guidance currently provided allows freedom to implement a cover system optimally designed for any particular site. Current Department of Defense/Department of Energy (DOD/DOE) research has already begun to focus on this. This knowledge will contribute to the implementation of cover systems under three climatic conditions: (1) arid, (2) high precipitation (1/2 from snow melt and 1/2 from rainfall), and (3) high precipitation (all as rainfall). Recently, a project involving this third climatic

condition as a research topic was proposed to NAVFAC to be initiated at a site to be determined in FY92. The advantage to this research lies in reduced costs (by eliminating costly clay cap when not necessary) and a longer design life.

In addition to capping research, treatment of the waste must also be investigated. Current technology does not adequately address all solid waste constituents or their leachates. Some wastes must be either treated or relocated due to adverse site location. Capping may not be effective on sites located on or in water bodies, or in high water table areas. A study by NCEL was conducted on the treatment of landfill leachate contaminated with low levels of priority pollutants (Ref 5). This study recommends further work in selecting and conducting treatment train laboratory studies on leachates. It also points out potential problems associated with the gases generated from the landfills and the residual solids generated from the treatment processes. The study also recommended conducting research in innovative processes of land treatment and engineered wetlands as alternatives to conventional remediation treatment.

REFERENCES

1. Environmental Protection Agency. Report No. EPA/625/4-89/022: Requirements for hazardous waste landfill design, construction, and closure. Seminar Publication, Center for Environmental Research Information. Cincinnati, OH, 1989.
2. _____. Report No. EPA/530-SW-89-047: Technical guidance document: Final covers on hazardous waste landfills and surface impoundments. Office of Solid Waste and Emergency Response. Washington, DC, 1989.
3. PEER Consultants. U.S. Navy installation restoration program activity and site narratives. Rockville, MD, 1988.
4. D. Hanson. "New hazard ranking system called more accurate," Chemical and Engineering News, Sep 16, 1991.
5. Naval Civil Engineering Laboratory. Contract Report CR91.013: Treatment of Navy landfill leachate contaminated with low levels of priority pollutants, by R.W. Regan. State College, PA, Oct 1991.

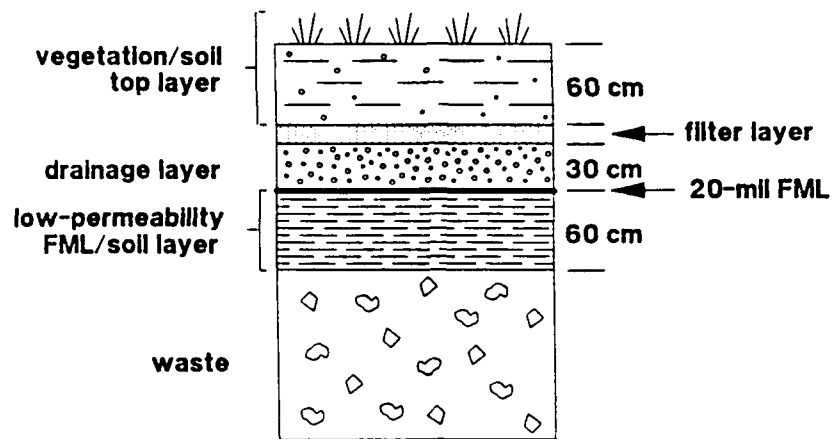


Figure 1
EPA-recommended cover design.

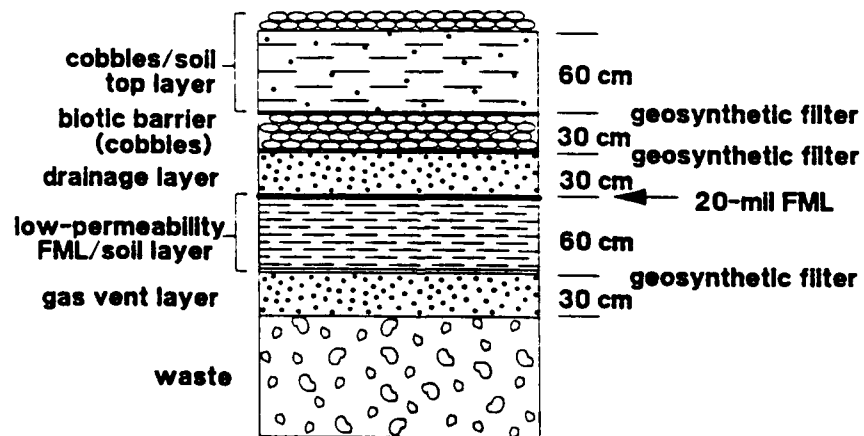


Figure 2
EPA-recommended cover design
with optional layers.

Appendix A

FINAL COVERS FOR HAZARDOUS WASTE UNITS

CLOSURE AND POST-CLOSURE REGULATIONS

All of the regulations dealing with hazardous waste landfill and surface impoundment cover requirements are found in Title 40, Parts 264 and 265, of the Code of Federal Regulations (40 CFR 264 and 40 CFR 265). Part 264 deals with permitted facilities and Part 265 with interim status facilities. Interim status facilities are, in general, those facilities that were in existence on November 19, 1980. Three subparts each of Parts 264 and 265 deal with general closure requirements: Subpart G - Closure and Post-Closure; Subpart K - Surface Impoundments; and Subpart N - Landfills. Each subpart contains several sections important to cover planning, design, and construction, as outlined in Table A-1.

There are a few differences between permitted and interim status unit closure and post-closure regulations under Subpart G of Parts 264 and 265. The major difference is that, for interim status units, public notice for changes to the approved closure and post-closure plans is not required. Changes to plans for permitted units require permit modifications which, in turn, require public notice and comment.

There are three significant differences between permitted and interim status unit final cover regulations under Subparts K and N of Parts 264 and 265. Part 264.303 requires monitoring and inspection to ensure that synthetic and soil materials used in the cover are watertight and structurally uniform. Such a requirement was not included in Part 265 for interim status units. The EPA recommends that a Construction Quality Assurance (CQA) program, establishing inspection activities, be utilized for covers being built at both permitted and interim status units. The EPA believes that a site-specific CQA inspection program is necessary to ensure that cover design specifications are met.

A second difference in requirements is that, while leachate collection and removal activities are required after closure under 40 CFR 264.310 for permitted units, they are not required under Part 265 for interim status units. The absence of a stated post-closure leachate collection and removal requirement makes cover performance for interim status units even more important. It should be noted that, under the broader performance standards of 40 CFR 265.111, the EPA may still require leachate collection during post-closure at an interim site.

The third, and perhaps most significant, difference is in the requirements of 40 CFR 264.310(b)(1)(v) and 40 CFR 265.310(b)(1)(v). These subsections require that the cover have a permeability less than or equal to any bottom liner or natural subsoil present. For interim status units, without an engineered liner, the cover could presumably be of relatively permeable materials. But here again, the EPA may impose the standards of 40 CFR 265.111, and require a more impermeable cover.

Table A-1. Closure and Post-Closure Regulatory Requirements

Section	Part 264	Part 265
<u>Subpart G - Closure and Post-Closure</u>		
111	Closure performance standard	Closure performance standard
112	Closure plan - Amendment of plan	Closure plan - Amendment of plan
113	Time allowed for closure	Time allowed for closure
115	Certification of closure	Certification of closure
116	Survey plat	Survey plat
117	Post-closure care	Post-closure care
118	Post-closure plan - Amendment of plan	Post-closure plan - Amendment of plan
120	Certificate of completion of post-closure care	Certificate of completion of post-closure care
<u>Subpart K - Surface Impoundments</u>		
226	Monitoring and inspection	Inspections
228	Closure and post-closure care	Closure and post-closure care
<u>Subpart N - Landfills</u>		
301	Design and operating requirements	Design requirements
302	N/A	General operating requirements
303	Monitoring and inspection	N/A
310	Closure and post-closure care	Closure and post-closure care

For permitted landfills to meet the requirements of 40 CFR 264.310, the cover must have a permeability no greater than that of the double liner required under 40 CFR 264.301(c). The EPA does not consider this to mean that the final cover for a permitted unit must actually contain a double liner. Rather, the EPA recommends that the final cover include a layer whose liquid-rejection performance is equal to or better than the bottom composite liner (flexible membrane liner (FML) underlaid, and in full contact with, compacted soil) of the double-liner system detailed in the "Minimum Technology Guidance on Double Liner Systems for Landfills and Surface Impoundments - Design, Construction and Operation" (EPA, 1987i). The EPA-recommended design for the cover does, in fact, include a composite barrier layer as outlined in Section 4. In all cases where a FML is used in the bottom liner, one should also be used in the cover. This does not mean, however, that the EPA necessarily recommends the use of exactly the same barrier materials in both the liner and cover. For example, different FML materials of equivalent performance may be used, such as high-density polyethylene for the bottom liner and polyvinyl chloride in the cover.

The EPA also recommends using the composite FML/clay barrier in interim status unit covers. However, for interim status units, compacted clay with a permeability equal to or less than 1×10^{-7} cm/sec may be used without a FML if the clay is less permeable than the landfill bottom liner or natural subsoil beneath the site. While 40 CFR 265.310(a)(5) might allow a less effective design, it is believed the long-term protection from infiltration provided by the recommended cover design justifies its use for all units. With the EPA-recommended composite design, it is more certain that the cover will be no more permeable than the bottom of the unit. In addition, the installation of the composite design on interim status units takes advantage of the practical opportunity to more effectively minimize water infiltration, leachate generation, and leachate migration.

LIQUIDS MANAGEMENT STRATEGY

The general closure performance standards are specified in 40 CFR 264.111 and 265.111 (Subpart G) for permitted and interim hazardous waste disposal facilities, respectively. The standards state that:

"The owner or operator must close the facility in a manner that:

- a. Minimizes the need for further maintenance; and
- b. Controls, minimizes, or eliminates, to the extent necessary to protect human health and the environment, post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated runoff, or hazardous waste decomposition products to the ground or surface waters or to the atmosphere..."

The requirements apply to hazardous waste landfills and to hazardous waste surface impoundments closed as landfills.

Landfill closure requirements are based on a two-part liquids management strategy of: (1) minimizing the leachate generation by keeping liquids out of the unit, and (2) detecting, collecting, and removing leachate within the unit. Closure requirements are specified in 40 CFR 264.310 and 40 CFR 265.310, and include a final cover and post-closure care.

The EPA considers keeping water out of the unit to be the prime element of the strategy. Thus, the EPA believes that a properly designed and constructed cover becomes, after closure, the most important feature of the landfill structure. The EPA requires that the cover be designed and constructed to provide long-term minimization of the movement of water from the surface into the closed unit. Where the waste mass lies entirely above the zone of groundwater saturation, a properly designed and maintained cover can prevent, for all practical purposes, the entry of water into the closed unit, and thus minimize the formation and migration of leachate. In the absence of damage, the cover design recommended here, including the FML/soil low-permeability layer, should restrict infiltration, to the extent of the design, for the long term.

Appendix B
NAVY LANDFILLS

SUMMARY

SOUTHDIV	53
PACDIV	20
CHESDIV	14
LANTDIV	39
NORTHDIV	35
NORTHWESTDIV	18
SOUTHWESTDIV	36
WESTDIV	14
Total	229

SOUTHDIV SITES

LANDFILLS	-	46
BURIALS	-	4
PITS	-	2
FILLS	-	1

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
SOUTH DIV					
WENSTA CHARLESTON	SC				
	SOUTH SIDE	MIGRATION TO SUR-	A CLOSURE PLAN	NOT OBSERVED/	OBSERVED
	LANDFILL,	FACE WATERS VIA	USING EXISTING	NOT OBSERVED	
	SITE #2.	GRD. WTR. IS POSSIBLE	MONITORING		
	10 ACRES	SOLVENTS, AND 90 mm	WELLS RECOM'D		
		SHELLS.	AS OF AUG. '88.		
WENSTA CHARLESTON	SC				
	NORTHSIDE	MIGRATION OF	RECOM'D THAT	NOT OBSERVED/	NOT OBSERVED
	LANDFILL,	CONTAMINANTS TO	CLOSURE PLAN BE	NOT OBSERVED	
	SITE #5.	SURFACE WATERS IS	DEVELOPED USING		
	10 ACRES	POSSIBLE.	EXISTING		
		OILY WASTE & SOL-	MONITOR WELLS		
		VENTS.	AS OF AUG. '88.		
MCRD PARRIS ISLAND	SC				
	INCINERATOR	CONTAMINATION COULD	PREPS. FOR	NOT OBSERVED/	NOT OBSERVED
	LANDFILL,	AFFECT: MAN, FISH,	VERIFICATION	NOT OBSERVED	
	SITE #1.	SHELLFISH, WILDLIFE	STUDY U/W AS OF		
	4 ACRES	AND ENDANGERED	AUG. '88.		
		SPECIES.			
		TRASH, INCINERATOR			
		ASH, PAINT WASTES,			
		THINNERS, STRIPPERS,			
		SOLVENTS, PCB			
		CONTAMINATED OIL,			
		PAINT STRIPPING &			
		WOOD PRESERVING			
		RESIDUES.			
LANDFILL					

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
MCRD PARRIS ISLAND SOUTH DIV	BORROW PIT LANDFILL, SITE #2.	MIGRATION IS LIKELY RECEPTORS INCLUDE: FISH, SHELLFISH, MAN & WILDLIFE (INCLUDING ENDAN- GERED SPECIES).	PREPS FOR VER- IFICATION STUDY WERE U/W AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
	-	TRASH, PAINT WASTE, THINNERS, STRIPPERS, CLEANING RAGS, SPENT ABSORBENT, SOLVENT, METAL SHAVINGS, PCB CONTAMINATED OIL + MERCURY AMALGAM.			
LANDFILL					
MCRD PARRIS ISLAND LANDFILL	CAUSEWAY LANDFILL, SITE #3. 10 ACRES	LIKELIHOOD EXISTS. RECEPTORS WOULD INCLUDE: FISH, SHELLFISH, WILDLIFE & MAN. NOT SPECIFIED.	PREPS FOR VER- IFICATION STUDY WERE U/W AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
NAS MEMPHIS TN	SOUTH SIDE LANDFILL, SITE #2. 40 ACRES	NO THREAT IDENTIF- IED. POL, POL SLUDGE + WASTE WATER TREAT- MENT PLANT SLUDGE.	NO FURTHER ACTION RECOM'D AS OF JUN. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					

INSTALLATION NAME SOUTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAS CORPUS CHRISTI TX DRMO	LANDFILL, SITE #1.	PRESENTS A HAZARD TO MARINE LIFE.	LONG-TERM MONITORING TO BE CONDUCTED AS OF JUN. '88.	NO SIGNIFICANT CONTAMINATION FOUND/NOT OBSERVED.	NOT SIGNIFICANT
LANDFILL		ORGANIC SOLVENTS, PLATING WASTE, SUL- FURIC + HYDRO- CHLORIC ACIDS, PAINT REMOVERS, AND THINNERS.			
NAS DALLAS TX	RUBBLE LANDFILL, SITE #4. 4 ACRES	AREA IS NOT CONDUCTIVE TO CONTAMINATION. INERT MATERIAL MOSTLY, BUT QUANTITIES OF WASTE OIL. MAY BE PRESENT ALSO	NO FURTHER STUDY IS RECOM'D, AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
NAS KINGSVILLE TX	SEWAGE TREATMENT PLANT LANDFILL, SITE #1. 5 ACRES	AQUIFER CONTAMINATION IS POSSIBLE. FLORA + FAUNA COULD BE AFFECTED VIA SURFACE RUNOFF + GROUNDWATER. POL, AND SOLVENTS.	RECOM'D FOR SI, AS OF JUN '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					

INSTALLATION NAME SOUTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAS KINGSVILLE TX	TRANSPORTATION MOTOR POOL (LAND-FILL), SITE #3.	POSSIBILITY OF CONTAMINATION OF AQUIFER EXISTS. POL, SOLVENTS, PESTICIDES, AND LIQUID INDUSTRIAL WASTES.	RECOM'D FOR SI, AS OF JUN. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
NAS KINGSVILLE TX	LANDFILL, SITE #8. 15 ACRES	POSSIBILITY OF CONTAMINATION OF AQUIFER AND OFF- BASE MIGRATION VIA SURFACE RUNOFF. LIQUID INDUSTRIAL WASTES, PAINT, SLUDGES, SOLVENTS.	RECOM'D FOR SI, AS OF JUN. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
NAS JACKSONVILLE FL	RADIOACTIVE WASTE FILL AREA, SITE #18. 1500 CU. YDS	POTENTIAL EXISTS FOR SURFACE AND GROUNDWATER CONTAMINATION. RADIUM PAINT RESIDUE.	NO FURTHER ACTION RECOM'D, AS OF JUL. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
FILL					

INSTALLATION NAME SOUTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAS JACKSONVILLE FL BURIAL	TRANSFORMER BURIAL AREA, SITE #39.	CONTAMINATION OF GROUNDWATER IS POSSIBLE. ELECTRICAL GEAR, TRANSFORMERS, AND POSSIBLY PCB'S.	RI/FS RECOM'D, AS OF JUL. '88.	NOT OBSERVED/ NOT OBSERVED	YES
NAS JACKSONVILLE FL FILL	OLD OIL POND AND LAND SPREADING AREA, SITE #43.	LOW POTENTIAL EXISTS FOR CONTAM- INATION OF SURFACE WATER. FUEL OIL CONTAM- INATED WATER, GAR- PAGE, WOOD, JP-5 MIXED W/TETRAETHYL LEAD SLUDGE.	NO FURTHER ACTION RECOM'D, AS OF JUL. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
MCIB ALBANY GA PIT	SMALL BORE AND PISTOL RANGE, SITE #11.	LOW LEVELS OF LEAD & CHROMIUM DETECTED IN SOIL. ORDNANCE, EXPLOS- IVES, SOLVENTS, AND SOIL STERILANTS.	ADDITIONAL INVESTIGATION PLANNED, AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
SOUTHDIV	CBC GULFPORT MS	DISASTER RECOVERY DISPOSAL AREA, SITE #1. 9 ACRES	RI/FS WAS SCHEDULED, AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
	BURIAL	PAINTS, OILS, SOL- VENTS, PAINT STRIP- PERS AND CLEANING COMPOUNDS. THE PAINTS MAY CONTAIN: CADMIUM, CHROMIUM, AND LEAD.			
PIT	NWIRP BRISTOL TN	PLATING WASTE DIS- POSAL PIT, SITE #4.	RECOM'D FOR RI/ FS, AS OF JUN. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
		8'x 50'x 3' DEEP SPENT ELECTROLESS NICKEL SOLUTION, ALKALINE CLEANING WASTE, + SULFURIC ACID ANODIZING WASTE.			
NWIRP DALLAS TX	INDUSTRIAL SLUDGE DRUM BURIAL SITE, SITE #8.		INSTALLATION OF MONITORING WELLS RECOM'D, AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
	BURIAL		VERIFICATION STEP WAS COMPLETED.		

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
SOUTHDIV					
NWIRP DALLAS TX	FORMER CRUSHED DRUM AND FIRE- BRICK BURIAL SITE, SITE #9.	IT IS POSSIBLE CYANIDE COULD HAVE LEACHED TO SURFACE WATER.	NO FURTHER ACTION RECOM'D, AS OF AUG. '88. VERIFICATION STEP WAS COMPLETED.	POSSIBLE/ NOT OBSERVED	NOT OBSERVED
BURIAL	-	FIREBRICKS CONTAIN- ING CYANIDE SALT, AND CYANIDE SLUDGE.			

INSTALLATION NAME SOUTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
MCIB ALBANY GA LANDFILL	EAST DISPOSAL AREA, SITE #1. 1 ACRE	POSSIBLE CONTAMINATION OF POTABLE AND SURFACE WATER. SOLID WASTE, SOLVENTS, PAINTS, AND THINNERS.	AS OF 14 MAR 91 PA (C) SI (C) RF (U) HRS 44.65	YES/ ?	YES
NAS JACKSONVILLE FL LANDFILL	SHORELINE FILL, SITE #5. 200' X 600'	POTENTIAL SURFACE AND GROUNDWATER CONTAMINATION. PAINT SHAVINGS, REMOVER, SOLVENTS, AND RADIOACTIVE PAINT.	AS OF 17 OCT 90 PA (C) SI (U) HRS 32.08	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
NAS CECIL FIELD FL LANDFILL	OLD LANDFILL, SITE #1. 9 ACRES	POTENTIAL CONTAMINATION OF GRND. WTR. ALSO POSSIBLE AFFECT TO WILDLIFE. FUEL, OIL, SOLVENTS, AND PAINT THINNERS.	AS OF 14 MAR 91 PA (C) SI (U) HRS 31.99	NOT OBSERVED/ NOT OBSERVED	POTENTIAL.
NAS CECIL FIELD FL LANDFILL	RECENT LANDFILL, SITE #2. 5 ACRES	POTENTIAL CONTAMINATION OF GROUND WATER, POSSIBLE AFFECT TO WILDLIFE. FUEL, OIL, SOLVENTS, PAINTS, AND PAINT THINNERS.	AS OF 14 MAR 91 PA (C) SI (U) HRS 31.99	NOT OBSERVED/ NOT OBSERVED	POTENTIAL.

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
SOUTH DIV NAS JACKSONVILLE FL	OLD BASE LANDFILL, SITE #32. 2 ACRES	POSSIBILITY EXISTS FOR MIGRATION OF CONTAMINANTS TO GROUNDWATER.	NO FURTHER ACTION RECOM'D, AS OF JUL '88.	NOT OBSERVED/ NOT OBSERVED	POSSIBILITY
	LANDFILL	HOUSEHOLD REFUSE, (PRESENTLY '88 USED AS A TEMP. STORAGE AREA FOR HAZARDOUS WASTE).			
NAS KEY WEST FL	NORTH FLEMING KEY LANDFILL, SITE #7. 30 ACRES	POSSIBLE SAFETY HAZARD TO WORKERS FROM METHANE GAS BUILDUP AND POSSIBLE EXPLOSION HAZARD.	QUARTERLY SAMPLING FOR ONE YEAR RECOM'D, AS OF JUN '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		REFUSE CONTAMINATED WITH HAZARDOUS WASTE, PESTICIDES, AND POL'S.			
NAS KEY WEST FL	SOUTH FLEMING KEY LANDFILL, SITE #8. 45 ACRES	POTENTIAL FOR SURFACE AND GRD. WTR CONTAMINATION; HIGH POTENTIAL VIA SURFACE WATER OF HUMAN IMPACT VIA BOATING AND FISHING	QUARTERLY SAMPLING FOR ONE YEAR RECOM'D, AS OF JUN '88.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL
LANDFILL		POL'S, PAINTS, AND SOLVENTS.			

INSTALLATION NAME SOUTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVSTA MAYPORT FL	LANDFILL A, SITE #1. 4 ACRES	POTENTIAL AFFECT ON AQUATIC LIFE.	RI/FS WAS EXPECTED TO BEGIN IN SEP 1989, AS OF JUL 1988.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		WASTE OILS, HEAVY METALS, ASBESTOS, PAINT, SOLVENTS, LUBRICANTS, PESTICIDES, AND SANITARY GARBAGE.			
NAVSTA MAYPORT FL	LANDFILL B, SITE #2. 2 ACRES	COULD AFFECT SEA- FOOD AND HUMANS AS A RESULT OF EATING SAME.	RI/FS EXPECTED TO BEGIN IN SEP 89, AS OF JUL 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		WASTE OILS, HEAVY METALS, ASBESTOS, PAINT, SOLVENTS, LUBRICANTS, AND SANITARY GARBAGE.			
NAVSTA MAYPORT FL	LANDFILL D, SITE #4. 3 ACRES	POTENTIAL RECEPTORS INCLUDE SURFACE VEGETATION OR AQUATIC VEGETATION AND ANIMALS.	RI/FS EXPECTED TO BEGIN SEP 89 AS OF JUL 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		WASTE OILS, HEAVY METALS, ASBESTOS, PAINTS, LUBRICANTS, ACIDS, PESTICIDES, AND SANITARY WASTES			

INSTALLATION NAME SOUTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVSTA MAYPORT FL	LANDFILL E, SITE #5. 11 ACRES	PRIMARY RECEPTORS WOULD BE AQUATIC LIFE; SECONDARY, MAN AND ANIMALS EATING AFFECTED LIFE. ASBESTOS, PAINTS, WASTE OIL, HEAVY METALS, ACIDS, LUBRICANTS, PLATING SOLUTIONS, PESTIC- IDES, TOLUENE, TRANSMISSION FLUIDS, PHOTOCRO- ESSING WASTES, PERCHLOROETHYLENE, METHYLENE CHLORIDE, AND SANITARY WASTES.	RI/FS WAS EXPECTED TO BEGIN SEP 89, AS OF JUL 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
NAVSTA MAYPORT FL	LANDFILL F, SITE #6. 24 ACRES	AQUATIC LIFE COULD BE AFFECTED, ALSO INGESTORS OF SAID LIFE. WASTE OIL, HEAVY METALS, ASBESTOS, PAINT, LUBRICANTS, SOLVENTS, ACIDS, PLATING SOLUTIONS, PESTICIDES, AND SANITARY WASTES.	RI/FS WAS EXPECTED TO BEGIN SEP 89, AS OF JUL 88.	MIGRATION MAY HAVE OCCURRED.	POSSIBLY HAS OCCURRED.
LANDFILL					

INSTALLATION NAME SOUTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAS WHITING FLD MILTON FL	SANITARY LANDFILL, SITE #13. 4 ACRES	SURFACE WATER COULD BE AFFECTED. MAY HAVE FOLLOWING ITEMS IN THE FILL: WASTE SOLVENTS, AND PAINT STRIPPING RESIDUE.	RI/FS WAS TO BEGIN SEP 88, AS OF JUL 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
NAS WHITING FLD MILTON FL	SHORT-TERM SANITARY LANDFILL, SITE #14. 2.5 ACRES	COULD CONTAMINATE SURFACE WATERS. WASTE SOLVENT AND PAINT STRIPPING RESIDUE.	RI/FS SCHED. TO SEP. 88, AS OF JUL 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
NAS WHITING FLD MILTON FL	SOUTHWEST LANDFILL, SITE #15. 15 ACRES	COULD CONTAMINATE SURFACE WATERS. GENERAL REFUSE, PAINT, PAINT THIN- NER, SOLVENTS, WASTE OIL, HYDRAULIC FLUID, BAGGED ASBESTOS, AND TRANSFORMER OIL (PCB'S ?).	RI/FS SCHED. TO BEGIN SEP 88, AS OF JUL 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
SOUTH DIV NTC ORLANDO FL LANDFILL	NORTH FIELD GRINDER LANDFILL, SITE #1. 15 ACRES	POTENTIAL EXISTS FOR GROUND WATER CONTAMINATION. PHOTOGRAPHIC CHEMICALS, PAINT THINNER, FILM, PERCHLOROETHYLENE, CONSTRUCTION MATER- IALS, BIOLOGICAL WASTES AND SYRINGES, PLASTIC, AND REFUSE.	RI/FS WAS TO START IN JAN 89, AS OF JUL 88.	MAY BE TRACES/ MAY BE TRACES	MAY BE SLIGHTLY CONTAMINATED.
NTC ORLANDO FL LANDFILL	MCCOY ANNEX LANDFILL, SITE #3. 99 ACRES	COULD CONTAMINATE SURFACE WATERS. PAINT AND PAINT THINNER, ASBESTOS, TRANSFORMERS (PCB'S ?), LOW LEVEL RADIOLOGICAL WASTES, AUTO BATTERIES, SCRAP METAL AND PIPE, PLASTIC, AND POSSIBLY WASTE OIL.	RI/FS WAS TO START IN JAN 89, AS OF JUL 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED

INSTALLATION NAME SOUTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVCOASTSYSCEN PANAMA CITY FL LANDFILL	BURN AND LANDFILL AREA, SITE #2. 11 ACRES	POSSIBLE AFFECTS ON WILDLIFE. LEAD PAINT IN CANS, GENERAL REFUSE, TIRES, CRATES, DRUMS, PAINT THINNERS, OILS, SOLVENTS, MINERAL SPIRITS, ALCOHOL, HYDRAULIC FLUID, BILGE WATER, GASOLINE, AND TRANSFORMER OIL (PCB'S ?).	AS OF 21 OCT 90 PA (C) SI (C) RF (U) HRS 0.00	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
	BURN AND DISPOSAL AREA, SITE #6. 150' X 50' X 12' DEEP	POSSIBLE AFFECTS TO AQUATIC LIFE. HOUSEHOLD GARBAGE, SCRAP LUMBER AND METAL, PAINT AND PAINT THINNER, SOLVENTS, WASTE OIL (PCB'S ?), AND BILGE WATER.	AS OF 21 OCT 90 PA (C) SI (C) RF (U) HRS 0.00	NOT OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
SOUTHDIV					
NAS PENSACOLA FL	SANITARY LANDFILL, SITE #1.	DISCERNIBLE CONTAMINATION OF SURFACE WATERS, ALSO ENDANGERED PLANT SPECIES ARE IN AREA.	RI/FS IS ANTICIPATED IN OCT 88, AS OF AUG 88.	OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS
LANDFILL		AMMONIA, PHENOL, CYANIDE, SOLID WASTES, PAINT AND PLATING WASTE, WASTE WATERS WITH PESTICIDES, PCB - CONTAMINATED RAGS AND EQUIPMENT, AND ASBESTOS.			
MCLB ALBANY GA	LONG-TERM LANDFILL, SITE #3. 38 ACRES	POTENTIAL EXISTS FOR SURFACE WATER CONTAMINATION, COULD IMPACT WILDLIFE.	AS OF 14 MAR 91 PA (C) SI (C) RF (U) HRS 44.65	NOT OBSERVED/ NOT OBSERVED	OBSERVED
LANDFILL		DDT, AND TRANSFORMERS (PCB'S ?).			
MCLB ALBANY GA	WEST DISPOSAL AREA, SITE #5. 7 ACRES	POTENTIAL EXISTS FOR SURFACE WATER CONTAMINATION, COULD AFFECT POTABLE WATER AND WILDLIFE.	AS OF 14 MAR 91 PA (C) SI (C) RF (U) HRS 44.65	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		SOLVENTS, PAINTS, THINNERS, STRIPPERS, AND PLATING SLUDGES.			

INSTALLATION NAME SOUTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVSUPPACT NEW ORLEANS LA	LANDFILL AT BLDG. 704, SITE #9. 7,000 SQ. FT.	POTENTIAL THREAT TO LIFE DURING ANY FUTURE EXCAVATIONS, COULD AFFECT GROUND, SURFACE, AND POTABLE WATERS; ALSO AQUATIC LIFE.	RECOM'D QUARTERLY SAMPLING, AS OF JUN 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		HAZARDOUS WASTE, AND PESTICIDES.			
CBC GULFPORT MS	WORLD WAR II LANDFILL, SITE #2. 11 ACRES	COULD AFFECT AQUATIC LIFE, AND SURFACE WATER. PAINTS, THINNERS, SOLVENTS, OILS, AND FUELS.	RI/FS SCHED., AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
CBC GULFPORT MS	NORTHWEST LANDFILL/ BURNING PIT, SITE #3. 3.5 ACRES	SAME AS SITE #2 ABOVE. WASTE FUELS, OILS, SOLVENTS, TOLUENE, PAINTS, AND THINNERS.	AS OF 13 MAR 91 PA (C) SI (C) RF (U) HRS 0.00	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					

INSTALLATION NAME SOUTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
CBC GULFPORT MS LANDFILL	GOLF COURSE LANDFILL, SITE #4. 4 ACRES	COULD AFFECT AQUATIC LIFE AND SURFACE WATER. GROUND WATER IS CONTAMINATED. FUELS, OILS, SOLVENTS, PAINTS, AND THINNERS.	RI/FS WAS APPARENTLY SCHED. TO BEGIN IN 88.	NOT OBSERVED/ NOT OBSERVED	OBSERVED
CBC GULFPORT MS LANDFILL	HEAVY EQUIPMENT TRAINING AREA LANDFILL, SITE #5. 8.5 ACRES	COULD AFFECT AQUATIC LIFE AND SURFACE WATER. DDT, FUELS, OILS, SOLVENTS, PAINTS, THINNERS, AND SOLID WASTES.	RI/FS WAS APPARENTLY SCHED. TO BEGIN IN AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
NAS MERIDIAN MS LANDFILL	LAKE MARTHA LANDFILL AND METAL LANDFILL, SITE #3. - - -	LEACHATE FROM EITHER LANDFILL COULD IMPACT GROUND AND SURFACE WATERS. PAINTS, OILS, AND SOLVENTS.	RECOM'D FOR SI, AS OF JUN 88.88	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED

INSTALLATION NAME SOUTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
MCAS BEAUFORT SC LANDFILL	LAFRENE ROAD LANDFILL, SITE #2. 2 ACRES	COULD AFFECT AQUATIC LIFE, WILDLIFE, AND MAN. JET FUEL, WASTE OIL, HYDRAULIC FLUID, ANTIFREEZE, SOLVENTS, CLEANING RAGS, OIL CANS, THINNERS, STRIPPERS, PAINT BRUSHES AND ROLLERS, MERCURY AMALGAM, ASBESTOS BRAKES, AND STP SLUDGE.	RECOM'D FOR REMEDIAL INVESTIGATION, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NO
MCAS BEAUFORT SC LANDFILL	BORROW PIT LANDFILL, SITE #3. 0.4 ACRES	CONTAMINATION VIA MIGRATION IS LIKELY. POTENTIAL RECEPTORS INCLUDE FISH, SHELLFISH, WILDLIFE, AND MAN. CONTAMINATED JET FUEL, WASTE OILS, HYDRAULIC FLUIDS, ANTIFREEZE, SOLVENTS, PAINT THINNERS AND STRIPPERS, MERCURY AMALGAM, AND USED ASBESTOS BRAKES.	RECOM'D FOR REMEDIAL INVESTIGATION, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	OBSERVED

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
MCAS BEAUFORT SC SOUTH DIV	INERT LANDFILL SEEPAGE TRENCHES, SITE #6. 9 ACRES	CONTAMINANT MIGRATION WOULD AFFECT AQUIFERS AND SURFACE WATERS.	NO FURTHER STUDY RECOM'D, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
	LANDFILL	CONTAMINATED JET FUEL, WASTE OILS, HYDRAULIC FLUIDS, SOLVENTS, PAINT STRIPPERS AND THINNERS, AND GRIT & GREASE FROM SEWAGE TREATMENT PLANT.			
MCAS BEAUFORT SC	KAVIENG STREET LANDFILL, SITE #8. 0.6 ACRES	POSSIBLE MARSHLAND CONTAMIN- ATION. POTENTIAL RECEPTORS INCLUDE: MAN, FISH, SHELL- FISH, AND WILDLIFE.	RECOM'D FOR FURTHER STUDY, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
	LANDFILL	JET FUEL, WASTE OILS, HYDRAULIC FLUIDS, ANTIFREEZE, SOLVENTS, PAINT STRIPPERS AND THINNERS, MERCURY AMALGAM, AND ASBESTOS BRAKE SHOES.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
MCAS BEAUFORT SC LANDFILL	INERT LANDFILL, SITE #14. 20 ACRES	AS OF AUG 88, NO PRIORITY POLLUTANTS DETECTED ABOVE ACTION LEVELS. WASTES INCLUDE: OIL CANS & FILTERS, CLEANING RAGS, MERCURY AMALGAM, AND STP SLUDGE.	NO FURTHER STUDY RECOM'D, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
NSY CHARLESTON SC LANDFILL	BASE SANITARY LANDFILL, SITE #1.	POSSIBILITY OF SLOW MIGRATION OF LEACHATES TO SURFACE WATERS. ASBESTOS, ACIDS, PCB'S, SOLVENTS, POL, PAINTS, INDUSTRIAL SLUDGE, AND LIQUID WASTE.	SITE HAS COMPLETED RI/FS. NO FURTHER ACTION RECOM'D, AS OF JUN 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED

PACDIV SITES

LANDFILLS - 19
BURIALS - 1

INSTALLATION NAME PACDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAS AGANA CQ	SANITARY LANDFILL - NAS AGANA, SITE #1. 250'X 500'	CONTAMINANTS COULD HAVE MIGRATED TO THE WATER TABLE, POSING A THREAT TO POTABLE WATER.	AS OF 6 MAR 91 PA (C) SI (U) HRS 33.60	NOT OBSERVED/ NOT OBSERVED	POTENTIAL
LANDFILL		BATTERIES, PAINT, ASBESTOS, AND ORGANIC SOLVENTS.			
NAVMAG GUAM CQ	NAVMAG - ORDNANCE PUBLICATION BUILDING #4 DISPOSAL SITE, SITE #7. 29,000 LBS. DEPOSITED	NO KNOWN IMPACT TO HUMAN HEALTH OR ENVIRONMENT. LUMBER AND METAL.	AS OF 11 FEB 91 PA (C) SI (U) HRS 21.30	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
NAVSTA GUAM CQ	OROTE WASTE BURNING/DIS- POSAL AREA, SITE #1. 5 ACRES	POTENTIAL HUMAN HEALTH THREAT VIA DIRECT CONTACT. ASBESTOS, PAINT, PCP, THINNERS, AND BATTERY ACID.	AS OF 6 MAR 91 PA (C) SI (U) HRS 0.00	NOT OBSERVED/ NOT OBSERVED	LOW POTENTIAL
LANDFILL					

INSTALLATION NAME PACDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVSTA GUAM GQ	NIMITZ HILL BORROW PIT, SITE #12.	MINIMAL THREAT DUE TO NON HAZARDOUS WASTES DEPOSITED.	NO FURTHER ACTION WAS AN- TICIPATED, AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	MINIMAL POTENTIAL
LANDFILL	-	WAR AND TYPHOON CLEANUP DERRIS, AND CONSTRUCTION + MUNICIPAL WASTE.			
PWC GUAM GQ	SOUTH FINE- GAYAN CON- STRUCTION BATTALION LANDFILL, SITE #10. 4.5 ACRES	MINIMAL THREAT. ONLY SMALL QUANTIT- IES OF HAZARDOUS WASTES.	WORKPLAN FOR SITE INVESTIGA- TION BEING PRE- PARED, AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
PWC GUAM GQ	PWC LANDFILL, SITE #15.	LEACHATE CONTAINS HIGH LEVELS OF: NITROGEN, IRON, AND MERCURY.	AS OF 6 MAR 91 PA (C) SI (U) HRS 22.90	YES/HIGH LEVELS	NOT OBSERVED
LANDFILL	-	WASTE OILS, SOL- VENTS, PAINTS, ASBESTOS, AND POSSIBLY MERCURY.			

INSTALLATION NAME PACDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVCAMS WESTPAC GQ	WESTPAC FINEGAYAN LANDFILL 1, SITE #8. 3 ACRES	POTENTIAL POTABLE WTR. CONTAMINATION. PA (C) SI (C) SOLVENTS + MAINTEN- ANCE ACTIVITIES WASTES.	AS OF 6 MAR 91 PA (C) SI (C) HRS 25.60	NOT OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS
LANDFILL					
NAVCAMS WESTPAC GQ	WESTPAC FINEGAYAN LANDFILL 2, SITE #9.	POTENTIAL POTABLE WTR. CONTAMINATION. PA (C) SI (C) WASTE OILS, CLEAN- ING SOLVENTS, AND PCB DIELECTRIC FLUID.	AS OF 6 MAR 91 PA (C) SI (C) HRS 25.60	NOT OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS
LANDFILL					
NAVCAMS WESTPAC GQ	RTF BARRI- GADA BLDG. 50 LANDFILL, SITE #12. 0.5 ACRES	MINIMAL THREAT WASTE OILS.	NO FURTHER ACTION ANTICIP- ATED, AS OF AUG '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					

INSTALLATION NAME PACDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVCAMS WESTPAC GQ LANDFILL	RIF BARRI- GADA METALS LANDFILL, SITE #15. 900' DIA.	MINIMAL THREAT. SMALL QUANTITIES OF: WASTE OILS, SOLVENTS, AND ASBESTOS.	AS OF 6 MAR 91 PA (C) SI (U) HRS 25.60	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
NAS BARBERS POINT HI LANDFILL	SANITARY LANDFILL, SITE #3. 120,000 TONS OF REFUSE.	DOES NOT POSE A POTENTIAL THREAT. BAGGED ASBESTOS AND PESTICIDE RINSEATE.	NO FURTHER ACTION ANTICIP- ATED, AS OF JUL. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
NAVCAMS EASTPAC HONOLULU HI LANDFILL	OLD WAHLAWA LANDFILL, SITE #1. 200'x 600'	LEACHATE COULD MIGRATE, MINIMAL THREAT TO SURFACE WATER. WASTE LUBE OIL, SOLVENTS, TRANSFOR- MER OIL, HYDRAULIC FLUID, AND PAINT THINNERS.	AS OF 6 MAR 91 PA (C) SI (U) HRS 12.30	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED

INSTALLATION NAME PACDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVCAMS EASTPAC HONOLULU HI	BUILDING 6 DISPOSAL AREA, SITE #5. 6,000 GAL.	LEACHATE COULD MIGRATE TO A GULCH, NO RECEPTORS EXIST BEYOND GULCH. WASTE OILS, AND SOLVENTS.	AS OF 6 MAR 91 PA (C) SI (U) HRS 12.30	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
MCAS KANEHOE BAY HI	H-3 LANDFILL, SITE #1.	POSES NO THREAT TO HUMANS OR ENVIRON- MENT. LEAD BATTERIES, MERCURY, SODIUM FLUORIDE, CALCIUM HYPOCHLORITE, PAINTS, THINNERS, SOLVENTS, WASTE FUELS, POL'S, OILS, TEAR GAS, PAINT CANS, GLASS BEADS, AND PCP.	NO FURTHER ACTION ANTICIP- ATED. (SI WAS COMPLETED, NO SIGNIFICANT CONTAMINATION FOUND), AS OF JUL. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
MCAS KANEHOE BAY HI	QUARRY PIT LANDFILL, SITE #2.	CONTAMINANTS ARE PROBABLY IN CONTACT WITH GROUNDWATER, GROUNDWTR IS UNUSABLE (BRACKISH), THREAT POSED TO SURFACE WTR AND AN ENDANGERED SPECIES. LEAD BATTERIES, MERCURY, SOLVENTS, WASTE POL'S, OILS, THINNERS, PAINTS, AND PCP.	AS OF 22 OCT 90 PA (C) SI (C) HRS 8.90	NOT OBSERVED/ NOT OBSERVED	PROBABLY
LANDFILL					

INSTALLATION NAME SOUTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVRAG LUAIUALEI HI	THE FOURTH STREET CORAL	MINIMAL THREAT.	AS OF 6 MAR 91	NOT OBSERVED/	MINIMAL THREAT,
	PIT LANDFILL		PA (C)	NOT OBSERVED	(ADDITIONALLY,
LANDFILL	AT WEST LOCH	SOLVENT CANS, PAINT	SI (U)		GROUNDWATER IS
	BRANCH, SITE #3. 900'x 180'	SILDGES, PAINT CANS, EMPTY TRANSFORMERS, AND ACID-FILLED CAR BATTERIES.	HRS 13.70		(NOT POTABLE).
PWC PEARL HARBOR HI	PEARL CITY PENINSULA LANDFILL, SITE #4.	CONTAMINATED SUR- FACE RUNOFF POSES A THREAT TO BIRDS AND AN ENDANGERED SPECIES. ASBESTOS, SEWAGE SLUDGE, PAINT, PAINT REMOVERS, THINNERS, SOLVENTS, SOLVENT-SOAKED RAGS, OIL, DIAZINON, CORROSIVES, METAL RESIDUE FROM ORDNANCE BURNING, CAUSTIC CLEANERS, VARNISH, PHOTO DEVELOPER, GASOLINE, FUEL, KEROSENE, BRAKE FLUID, PRO- PANOL, PCB'S, AND MALATHION.	SITE INVESTIGA- TION U/W AND ADDITIONAL SAM- PLS WILL BE TAKEN, AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					

INSTALLATION NAME PACDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAF MIDWAY ISLAND MQ	RUNWAY	CONTAMINANTS COULD	AS OF 6 MAR 91	NOT OBSERVED/	NOT OBSERVED
	LANDFILL, SITE #2.	AFFECT SURFACE AND GROUNDWATERS (POTA- BLE WATER WELLS).	PA (C) SI (U) HRS 15.90	NOT OBSERVED	
LANDFILL	-	UNKNOWN MATERIALS.			
NAVMAG GUAM GQ	NAVMAG-TEAR	MINIMAL THREAT.	AS OF 11 FEB 91	NOT OBSERVED/	NOT OBSERVED
	GAS BURIAL SITE, SITE #5. 350 LBS. OF CONTAINER- IZED TEAR GAS.	CONTAINERIZED TEAR GAS.	PA (C) SI (U) HRS 21.30	NOT OBSERVED	
BURIAL					

INSTALLATION NAME PACDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVCAMS WESTPAC GQ	RTF	MINIMAL THREAT.	AS OF 6 MAR 91	NOT OBSERVED/	NOT OBSERVED
LANDFILL	BARRIGADA		PA (C)	NOT OBSERVED	
	(EIGHTH HOLE)	MOTOR POOL WASTE	SI (U)		
	GOLF COURSE	OIL.	HRS 25.60		
	LANDFILL, SITE #14. 400' DIA.				

CHESDIV SITES

LANDFILLS	-	9
BURIALS	-	4
PITS	-	1

INSTALLATION NAME CHESDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVORDSTA INDIAN HEAD MD	TOWN GUT LANDFILL, SITE #12. 3 ACRES	COULD AFFECT AQUATIC SPECIES.	AS OF 24 OCT 90 PA (C) SI (C) HRS 8.10	LEACHATE FROM THE SITE IS DISCHARG- TO A STREAM WHICH ENTERS MATTAWOMAN CREEK. / NOT OBSERVED	NOT OBSERVED
LANDFILL		WASTES INCLUDE: ETHYL ALCOHOL, ESTERS, ZINC, ARSENIC, PHENOLS, BENZENE, TOLUENE, XYLENE, LEAD, IRON, CHROMIUM, AND TETRACHLOROETHYLENE			
NAS PATUXENT RIVER MD	FISHING POINT LANDFILL, SITE #1. 10 ACRES	POSSIBLE SEAFOOD CONTAMINATION.	AS OF 24 MAR 91 PA (C) SI (C) HRS 17.29	OBSERVED/ NOT OBSERVED	YES
LANDFILL		WASTES INCLUDE: PETROLEUM, OILS, PAINTS, SOLVENTS, THINNERS, PESTICIDES PHOTO LAB WASTES, BURN RESIDUES, AND MIXED SOLID WASTES.			
NAS PATUXENT RIVER MD	HERMANVILLE DISPOSAL SITE, SITE #4. 4 ACRES	POTENTIAL SURFACE AND GROUND WATER CONTAMINATION.	AS OF 24 MAR 91 PA (C) SI (C) HRS 15.07	OBSERVED/ NOT OBSERVED	YES
LANDFILL		WASTES INCLUDE: PETROLEUM, OILS, PAINTS, SOLVENTS, THINNERS, PESTICIDES, PHOTO LAB WASTES, MIXED DEBRIS AND ASBESTOS.			

INSTALLATION NAME CHESIDV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAS PATUXENT RIVER MD	FORMER SANITARY LANDFILL, SITE #11. 3 ACRES	GROUND AND SURFACE WATER ARE CONTAMIN- ATED. WASTES INCLUDE: OIL-CONTAMINATED SOILS, POL WASTES, PAINTS, SOLVENTS, THINNERS, PHOTO LAB CHEMICALS, AND PESTICIDES.	AS OF 24 MAR 91 PA (C) SI (C) HRS 13.69	OBSERVED/ NOT OBSERVED	YES
LANDFILL					
NAVSTURFWNCEN WHITE OAK MD	APPLE ORCHARD LANDFILL, SITE #2. 0.8 ACRES	THREAT OF HUMAN CONTACT WITH RESIDUAL PCB'S. WASTES: PCB CONTAM- INATED WASTE OIL, SOLVENTS, PAINT RESIDUE, AND MISC. CHEMICALS.	AS OF 19 JUL 90 PA (C) SI (C) HRS 12.70	OBSERVED / NOT OBSERVED	YES
LANDFILL					

INSTALLATION NAME CHESDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVSURFWNCEN WHITE OAK MD LANDFILL	PISTOL RANGE LANDFILL, SITE #3. 0.9 ACRES	POTENTIAL CONTAMIN- ATION OF GROUND & SURFACE WATER. WASTES: SOLVENTS, OILS AND SODIUM NITRATE.	AS OF 19 JUL 90 PA (C) SI (C) HRS 11.90	NOT OBSERVED/ NOT OBSERVED	POTENTIAL
NAVSURFWNCEN DAHLGREN VA LANDFILL	OLD SANITARY LANDFILL (1400 AREA LANDFILL), SITE #17.	NONE. WASTE: MUNICIPAL WASTE.	AS OF 19 JUL 90 PA (C) SI (C) RF (U) HRS 29.46	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
MCDEC QUANTICO VA LANDFILL	OLD LANDFILL, SITE #4. 8 ACRES	AQUATIC SPECIES IN POTOMAC RIVER COULD BE AFFECTED. PCB CONTAMINATION HAS BEEN NOTED IN THE SURFACE WATER ADJACENT TO SITE. PAINT, PAINT THIN- ER, AND PCB'S.	AS OF 17 MAR 91 PA (C) SI (C) RF (U) HRS 10.20	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED

INSTALLATION NAME CHESDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
MODEC QUANTICO VA LANDFILL	RECENTLY CLOSED LANDFILL, SITE #7. 28 ACRES	WILDLIFE COULD BE BE AFFECTED BY CONTAMINANTS. WASTE PAINT, PAINT THINNER, AND CLEANERS.	AS OF 17 MAR 91 PA (C) SI (C) RF (U) HRS 10.90	OBSERVED/ NOT OBSERVED	NOT OBSERVED
NAS PATUXENT RIVER MD	DISPOSAL PIT NEAR POND 1, SITE #2.	POTENTIAL CONTAM- INATION OF FISH. (PCB)	RI U/W AS OF AUG. '88. PA (C) SI (C) RF (U) HRS 10.71	OBSERVED/ NOT OBSERVED	NOT OBSERVED
PIT		CONSTRUCTION DEBRIS MISC. STATION WASTES, AND VARIOUS OILS.			
NAVSURFWPCEN WHITE OAK MD	CHEMICAL BURIAL SITE, SITE #4. 1.1 ACRES	POSSIBLE OFF-SITE MIGRATION OF CONTAMINANTS. ACIDS, EXPLOSIVE COMPOUNDS, KERO- SENE, CHLORINATED SOLVENTS AND MISC. LAB. CHEMICALS.	AS OF 19 JUL 90 PA (C) SI (C) HRS 13.11	NOT OBSERVED/ NOT OBSERVED	SOME CONTAMINATION MAY HAVE OCCURRED.
BURIAL					

INSTALLATION NAME CHSDIV	SITE NAME	CONTAMINANT PROBLEM	RI/IS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
MCDEC QUANTICO VA	PESTICIDE BURIAL AREA, SITE #1.	POTENTIAL EXISTS FOR GROUND WATER CONTAMINATION. LIQUID AND SOLID PESTICIDES.	AS OF 17 MAR 91 PA (C) SI (C) RF (U) HRS 20.00	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
BURIAL	-				
NAVSURFWCEN DAHLGREN VA	FENCED ORDNANCE BURIAL AREA, SITE #2.	POTENTIAL FOR SOIL CONTAMINATION AND DIRECT CONTACT WITH RADIOACTIVE WASTES.	RI/FS PLANNED AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
BURIAL	-	METAL ORDNANCE MATERIALS CONTAIN- ING: THORIUM-MAGNESIUM			
NAVMEDCOM NATCAPREG BETHESDA MD	ASBESTOS BURIAL AREA, SITE #3. 50'X 200'	NO ALLEGED THREATS. 250 CF OF ASBESTOS.	NO FURTHER ACTION IS RECOMMENDED. AS OF 24 MAR 91 HRS 10.80	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
BURIAL					

LANDFILL SITES

LANDFILLS	-	36
BURIALS	-	2
PITS	-	1

INSTALLATION NAME LANDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NTC BAINBRIDGE MD	BASE LANDFILL, SITE #1.	POTENTIAL GROUND WATER CONTAMINATION WHICH MAY AFFECT POTABLE WATER & POTENTIAL DIRECT CONTACT.	SI WAS U/W AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS
LANDFILL		PESTICIDES AND ASBESTOS.			
MCAS CHERRY POINT NC	BORROW PIT/ LANDFILL, SITE #1. (ALSO A SITE #1 APPEARS ON LANDDIV PAGE 3). 4 ACRES	POTENTIAL CONTAMIN- ATION OF A RECREA- TIONAL AND FISHING CREEK. UNKNOWN CHEMICAL AND INDUSTRIAL WASTES.	RI/FS U/W AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS
LANDFILL					
MCAS CHERRY POINT NC	BORROW PIT/ LANDFILL NORTH OF RUNWAY 14, SITE #4. 20 ACRES	POTENTIAL CONTAMIN- ATION OF A RECREAT- ION AND FISHING CREEK. SOLVENTS, ACIDS, AND HEAVY METALS.	RI/FS U/W AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS
LANDFILL					

INSTALLATION NAME		SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
MCAS CHERRY POINT LANDFILL	NC	OLD SANITARY LANDFILL, SITE #10. 40 ACRES	POTENTIAL CONTAMIN- ATION OF A FISHING & RECREATION LAKE. POL, SOLVENTS, AND SLUDGES.	RI/FS UW AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS
MCAS CHERRY POINT LANDFILL	NC	LANDFILL AT SANDY BRANCH, SITE #16. 11 ACRES	POTENTIAL CONTAMIN- ATION OF A FISHING & RECREATION LAKE. OIL, POTASSIUM CYANIDE, AND OTHER WASTES.	RI WAS CONTIN- UING AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS
MCAS CHERRY POINT LANDFILL	NC	BORROW PIT/ LANDFILL, SITE #19.	POTENTIAL CONTAMIN- ATION OF A FISHING AND RECREATION CREEK. FLY ASH, ASBESTOS, SOLVENTS, ACIDS, AND HEAVY METALS.	RI/FS U/W AS OF AUG. '88	NOT OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS
MCAS CHERRY POINT LANDFILL	NC	BORROW PIT/ LANDFILL, SITE #21.	POTENTIAL FISHING & RECREATION CREEK CONTAMINATION. FLY ASH, ASBESTOS, SOLVENTS, ACIDS, AND HEAVY METALS.	RI/FS U/W AS OF AUG. '88	NOT OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS

INSTALLATION NAME LANDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
MCAS CHERRY POINT NC LANDFILL	BORROW PIT/ LANDFILL, SITE #1. 4 ACRES (ALSO A SITE #1 APPEARS ON LANDIV PAGE 1).	POTENTIAL FISHING AND RECREATION CREEK CONTAMINATION FLY ASH, ASBESTOS, SOLVENTS, ACIDS, AND HEAVY METALS.	RI/FS U/W AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS
NAVSTA ROOSEVELT ROADS RQ LANDFILL	LANGLEY DRIVE DISPOSAL SITE, SITE #6. --	COULD CONTAMINATE SEAFOOD AND AFFECT THE HABITAT AND FOOD CHAIN OF SEVERAL ENDANGERED SPECIES. UNIDENTIFIED HAZARDOUS MATERIALS	RI/FS U/W AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
NAVSTA ROOSEVELT ROADS RQ LANDFILL	STATION LANDFILL, SITE #7. --	COULD CONTAMINATE SEAFOOD AND AFFECT THE HABITAT AND FOOD CHAIN OF SEVERAL ENDANGERED SPECIES. PCB'S, PAINTS, SOLVENTS, FUELS, PESTICIDES, WASTE OILS, AND ASBESTOS.	RI/FS U/W AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
FLECOMBATRACENIANT DAM NECK VA	REGULUS AREA LANDFILL, SITE #1. 10 ACRES	POTENTIAL EXISTS FOR THE CONTAMIN- ATION OF LAKE TECUMSEH AND THE FISHING & BOATING ON THE LAKE. INORGANICS, SOLVENTS, PESTICIDES, HEAVY METALS, ACIDS, BASES, AND PCB'S.	AS OF 10 OCT 90 PA (C) SI (C) RF (U) HRS 17.18	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
NAVRADSTA DRIVER VA	LANDFILL NEAR OYSTER HOUSE CREEK, SITE #1.	GROUND WATER AND AQUATIC SPECIES COULD BE AFFECTED. SOLVENTS, PESTICIDES, ACIDS, AND BASES.	AS OF 6 MAR 91 PA (C) SI (C) RF (U) HRS 40.80	LEACHATE MAY BE PRESENT/NOT OBSERVED	MAY BE CONTAMINAT- ED VIA LEACHING.
LANDFILL					
NALF FENTRESS VA (NAS OCEANA)	FENTRESS LANDFILL, SITE #14. 3 ACRES	POTENTIAL EXISTS FOR MARSH AND RIVERINE WILDLIFE TO BE RECEPTORS OF CONTAMINATION. MUNICIPAL WASTES, ASBESTOS, PCB'S, PESTICIDES, OIL, AND SOLVENTS.	AS OF 12 MAR 91 PA (C) SI (C) RF (U) HRS 22.95	NOT OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS
LANDFILL					

INSTALLATION NAME LANDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVFHIBASE LITTLE CREEK VA	AMPHIBIOUS BASE	POTENTIAL EXISTS FOR POTABLE WATER CONTAMINATION.	AS OF 4 OCT 90 PA (C)	NOT OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS
	LANDFILL, SITE #7. 30 ACRES	OILS, SOLVENTS, PLATING WASTES, DEGREASERS, PESTI- CIDES, ACIDS, BASES, AND PCB'S.	SI (C) RF (U) HRS 31.31		
NAVFHIBASE LITTLE CREEK VA	DRIVING RANGE	POTENTIAL FOR AFFECTATION OF AQUATIC SPECIES.	AS OF 4 OCT 90 PA (C)	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
	LANDFILL, SITE #9.	SOLID WASTE, INCINERATOR ASH, OILS, SOLVENTS, PLATING WASTES, DEGREASERS, PESTIC- IDES, ACIDS, BASES, AND PCB'S.	SI (C) RF (U) HRS 16.18		
NAVAL BASE NORFOLK VA	CAMP ALLEN LANDFILL, SITE #1. 45 ACRES	POTENTIAL EXISTS FOR NON-POTABLE WELLS CONTAMINATION	ADDITIONAL RI/ FS ARE ANTICIP- ATED AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL
	LANDFILL	METAL PLATING SLUDGES, PARTS CLEANING SLUDGES, PAINT STRIPPING RESIDUES, SOLVENTS, ACIDS, CAUSTICS, PAINTS, PAINT THINNERS, PESTIC- IDES AND ASBESTOS.			

INSTALLATION NAME LANTDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVAL BASE NORFOLK VA	CD LANDFILL, SITE #6.	POSSIBILITY OF NON- POTABLE WELLS BEING CONTAMINATED.	NO FURTHER ACTION RECOMMENDED AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	POSSIBILITY
LANDFILL	-	SANDBLASTING DUST (CADMIUM)			
NAS OCEANA VA	NORTH STATION LANDFILL, SITE #8. 4 ACRES	CONTAMINANTS COULD AFFECT RECREATIONAL USERS AND WILDLIFE.	AS OF 12 MAR 91 PA (C) SI (C) RF (C) HRS 22.95	NOT OBSERVED/ NOT OBSERVED	POSSIBILITY
LANDFILL		SOLVENTS, PESTIC- IDES, ELECTRICAL CONDUCTORS, TRANSFORMERS, AND SANITARY, PHOTO LAB AND HOSPITAL WASTES			
NSY (NORFOLK) PORTSMOUTH VA	SCOTT CENTER LANDFILL, SITE #2.	DRAINAGE FROM SITE ENTERS PARADISE CREEK.	AS OF 13 MAR 91 PA (C) SI (C) RF (U) HRS 9.57	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL	-	BLAST GRIT, PAINT RESIDUES, SANITARY WASTES, SOLVENTS, INDUSTRIAL WASTES, & DREDGED MATERIALS			

INSTALLATION NAME LANDFILL	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NSY (NORFOLK) PORTSMOUTH VA LANDFILL	SANITARY LANDFILL, SITE #3. 70 ACRES SITES #4, 5, 6, AND 7 ARE ALSO LOCATED WITHIN THIS SITE.	CONTAMINANTS COULD MIGRATE TO WATER- WAYS. SALVAGE WASTE, SAND- BLAST GRIT, COAL FLY ASH, OIL FLY ASH, FLUE BOILER BOTTOM ASH, ASBESTOS, AND WASTE WATER TREATMENT SLUDGES.	AS OF 13 MAR 91 PA (C) SI (C) RF (U) HRS 13.10	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
NSY (NORFOLK) PORTSMOUTH VA LANDFILL	1941 LANDFILL, SITE #8. -	CONTAMINANTS COULD MIGRATE TO SURFACE WATERS. SALVAGE WASTE, SANDBLAST GRIT, COAL FLY ASH, FLUE BOILER BOTTOM ASH, AND ASBESTOS.	SITE NOT INCLUDED IN RI/FS EFFORTS, APPARENTLY NO EVIDENCE OF SIGNIFICANT CONTAMINATION HAS BEEN FOUND IN THE PAST.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
NSY (NORFOLK) PORTSMOUTH VA LANDFILL	1927 LANDFILL, SITE #10. -	CONTAMINANTS COULD MIGRATE TO WATER- WAYS. SALVAGE WASTE, SAND BLAST GRIT, COAL FLY ASH, OIL FLY ASH, FLUE BOILER BOTTOM ASH, AND ASBESTOS.	NO RI/FS EFFORTS WERE CONDUCTED.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED

INSTALLATION NAME LANDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WENSTA YORKTOWN VA LANDFILL	DUDLEY ROAD LANDFILL, SITE #1. 10 ACRES	CONTAMINANTS COULD AFFECT POTABLE WATER AND SEAFOOD. ASBESTOS; EMPTY OIL, PAINT, AND SOLVENT CONTAINERS; EXPLOSIVE-CONTAMIN- ATED CARBON, AND WASTE OIL.	AS OF 12 MAR 91 PA (C) SI (C) RF (U) HRS 19.30	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
WENSTA YORKTOWN VA LANDFILL	TURKEY ROAD LANDFILL, SITE #2. 5 ACRES	CONTAMINANTS COULD AFFECT A FISH NURSERY AREA. MERCURY, ZINC CARBON BATTERIES, ELECTRICAL DEVICES, AND UNIDENTIFIED TANKS OR DRUMS.	AS OF 12 MAR 91 PA (C) SI (C) RF (U) HRS 17.20	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WENSTA YORKTOWN VA LANDFILL	GROUP 16 MAGAZINES LANDFILL, SITE #3. 2 ACRES	CONTAMINANTS COULD AFFECT POTABLE WATER, SEAFOOD & FISH NURSERIES. SOLVENTS & SLUDGES FROM BOILING CLEAN- ING & OIL & GREASE.	AS OF 12 MAR 91 PA (C) SI (C) RF (U) HRS 19.30	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
WENSTA YORKTOWN VA LANDFILL	BURNING PAD RESIDUE LANDFILL, SITE #4. 4 ACRES	CONTAMINANTS COULD AFFECT POTABLE WATER AND FISH NURSERIES. BURNING PAD RESIDUES (POSSIBLY CONTAINING EXPLOSIVES), COAL FLY ASH, AND TRANSFORMERS.	AS OF 12 MAR 91 PA (C) SI (C) RF (U) HRS 18.00	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
WPNSTA YORKTOWN VA LANDFILL	BARRACKS RD. LANDFILL, SITE #12. 2-3 ACRES	CONTAMINANTS COULD AFFECT POTABLE WATER & WILDLIFE. GARBAGE, REFUSE, SCRAP WOOD, EXPLOSIVE-CONTAMIN- ATED PACKAGING, & SOLVENTS.	AS OF 12 MAR 91 PA (C) SI (C) RF (U) HRS 21.50	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
WPNSTA YORKTOWN VA LANDFILL	WEST ROAD LANDFILL, SITE #16. 40,000 SQ. YDS.	CONTAMINANTS COULD AFFECT POTABLE WATER AND FISH NURSERIES. DRY CARBON BATTER- IES, UNIDENTIFIED CHEMICALS, AND 55 GAL. DRUMS.	AS OF 12 MAR 91 PA (C) SI (C) RF (U) HRS 17.70	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED

INSTALLATION NAME LANDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WPNSTA YORKTOWN VA	HOLM ROAD	CONTAMINANTS COULD	AS OF 12 MAR 91	NOT OBSERVED/	NOT OBSERVED
	LANDFILL,	AFFECT POTABLE	PA (C)	NOT OBSERVED	
	SITE #17.	WATER AND FISH	SI (C)		
		NURSERIES.	RF (U)		
LANDFILL	250 YD x	ACID BATTERIES,	HRS 19.30		
	100 YD.	HYDRAULIC FLUIDS, DRUMS & SCRAP METAL			
ABL MINERAL COUNTY WV	INERT (NON- ORDNANCE)	CONTAMINANTS COULD	AS OF 6 MAR 91	NOT OBSERVED/	NOT OBSERVED
	LANDFILL,	AFFECT POTABLE	PA (C)	NOT OBSERVED	
	SITE #5.	WATER.	SI (C)		
		EMPTY DRUMS, LAB & PHOTOGRAPHIC	RF (U)		
LANDFILL		CHEMICALS, SCRAP			
		METAL & PLASTIC,			
		FLUORESCENT TUBES			
		(MERCURY), WOOD & SANDBLAST GRIT.			
ABL MINERAL COUNTY WV	BERYLLIUM	MINOR POTENTIAL FOR	AS OF 6 MAR 91	NOT OBSERVED/	NOT OBSERVED
	LANDFILL,	GROUNDWATER CONTAM-	PA (C)	NOT OBSERVED	
	SITE #7.	INATION.	SI (C)		
	10'x 15'x 6'	BERYLLIUM-CONTAMIN-	RF (U)		
LANDFILL	DEEP.	ATED WASTE & MISC.	HRS 27.20		
		LAB. CHEMICALS.			

INSTALLATION NAME LAND DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
MCB CAMP LEJEUNE NC BURIAL	MCAS BASKETBALL COURT SITE, SITE #75. -	CONTAMINATED WATER- IALS COULD AFFECT POTABLE WATER. 100 - 55 GAL. DRUMS CONTAINING UNKNOWN CHEMICALS WERE REPORTEDLY BURIED, RI/FS COULD NOT LOCATE THEM.	THIS SITE WAS TO BE RECOM'D FOR REMOVAL FROM IR PROGRAM AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	RI/FS DID NOT DETECT CONTAMIN- ATION.
MCB CAMP LEJEUNE NC BURIAL	MCAS CURTIS ROAD SITE, SITE #76. -	CONTAMINATION COULD AFFECT POTABLE WATER. 75-55 GAL. DRUMS OF UNKNOWN CHEMICALS MAY HAVE BEEN BURIED. RI/FS COULD NOT LOCATE DRUMS.	THIS WAS TO BE BE RECOM'D FOR REMOVAL FROM IR PROGRAM AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	RI/FS DID NOT DETECT CONTAMIN- ATION.
WPNSTA YORKTOWN VA PIT	ABANDONED EXPLOSIVES BURNING PITS, SITE #11. 0.5 ACRES	CONTAMINATION COULD AFFECT POTABLE WATER, FISH NURSER- IES, AND SEAFOOD.	RI/FS U/W AS OF AUG. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED

INSTALLATION NAME LAND DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAS OCEANA VA	FIFTH GREEN LANDFILL, SITE #7. 4 ACRES	RECREATIONAL USERS AND WILDLIFE ARE RECEPTORS IF EXPOSED TO CONTAMINANTS.	AS OF 12 MAR 91 PA (C) SI (C) RF (C) HRS 22.95	NOT OBSERVED/ NOT OBSERVED	POSSIBILITY
LANDFILL		PESTICIDES, HEAVY METALS, OILS, PCB'S, SOLVENTS, MIXED MUNICIPAL WASTES, AND UNIDENTIFIED WASTES.			
NSC CHEATHAM ANNEX WILLIAMSBURG VA	LANDFILL NEAR INCINERATOR, SITE #1. 2 ACRES	CONTAMINANTS COULD ENTER GROUNDWATER AND ALSO AFFECT SHELLFISH IN YORK RIVER.	AS OF 13 MAR 91 PA (C) SI (C) RF (U) HRS 21.90	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		INCINERATOR BURNING RESIDUES, GENERAL REFUSE, AND EMPTY PAINT & THINNER CANS.			
NAUPHIBASE LITTLE CREEK VA	SEWAGE TREATMENT PLANT AREA LANDFILLS, SITE #10. 18.5 ACRES	POTENTIAL SURFACE WATER CONTAMINATION AND POSSIBLE THREAT TO AQUATIC SPECIES.	AS OF 4 OCT 90 PA (C) SI (C) RF (U) HRS 16.18	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		PCB'S, PESTICIDE RESIDUES, FUELS, SOLVENTS, AND ASBESTOS.			

INSTALLATION NAME LANTDIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
MCB CAMP LEJEUNE NC LANDFILL	INDUSTRIAL AREA FLY ASH DUMP, SITE #24. 20-25 ACRES	POTENTIAL SURFACE WATER CONTAMINATION AND THREAT TO WILDLIFE. FLY ASH, STRIPPING COMPOUNDS, SOLVENTS, AND WATER TREATMENT SLUDGES.	AS OF 1 MAR 91 PA (C) SI (C) RF (U) HRS 36.84	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
MCB CAMP LEJEUNE NC LANDFILL	MCAS NEW RIVER MERCURY DUMP SITE, SITE #48. 1,000 LFS.	COULD CONTAMINATE SURFACE WATER AND AFFECT SHELLFISH. METALLIC MERCURY.	AS OF 1 MAR 91 PA (C) SI (C) RF (U) HRS 36.84	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED

NORTH DIV SITES

LANDFILLS	-	29
BURIALS	-	4
MINE FILLS	-	1
PITS	-	1

INSTALLATION NAME NORTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAS SOUTH WEYMOUTH MA	WESTGATE LANDFILL, SITE #1.	POTENTIAL CONTAMINATION OF POTABLE WATER.	RI/FS "WILL BE STARTED IN NEAR FUTURE", AS OF AUG. 88	NOT OBSERVED/ NOT OBSERVED	POTENTIAL. VIA GROUNDWATER AND SURFACE WATER
LANDFILL		WASTES OF CONCERN INCLUDE: SOLVENTS, OILS, WASTE FUELS, BATTERY ACID, AND PAINTS.			
NAS SOUTH WEYMOUTH MA	SMALL LANDFILL, SITE #3	POTENTIAL CONTAMINATION OF POTABLE WATER.	RI/FS "WILL BE STARTED IN NEAR FUTURE", AS OF AUG. 88	NOT OBSERVED/ NOT OBSERVED	POTENTIAL. VIA GROUNDWATER AND SURFACE WATER
LANDFILL		WASTES OF CONCERN INCLUDE: SOLVENTS, OIL, WASTE FUEL, BATTERY ACID, AND PAINTS.			
NAS BRUNSWICK ME	LANDFILL ORION STREET AREA NORTH, SITE #1. 5 + ACRES	MIGRATION PATHWAYS TO GROUND AND SURFACE WATER EXIST. WASTES OF CONCERN INCLUDE: SLUDGE, ASBESTOS, PAINT RESIDUES, HYDRAULIC FLUID, AND OILS.	AS OF 11 APR 91 PA (C) SI (C) RF (U) HRS 43.38	NOT OBSERVED/ NOT OBSERVED	POTENTIAL. VIA GROUNDWATER AND SURFACE WATER
LANDFILL					

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAS BRUNSWICK ME NORTH DIV	LANDFILL ORION STREET AREA SOUTH, SITE #2. 5 ACRES	MIGRATION PATHWAYS TO GROUND AND SURFACE WATER EXIST. WASTES OF CONCERN INCLUDE: SOLVENTS, PAINT RESIDUES, HYDRAULIC FLUID, AND OILS.	AS OF 11 APR 91 PA (C) SI (C) RF (U) HRS 43.38	NOT OBSERVED/ NOT OBSERVED	POSSIBLE. VIA GROUNDWATER AND SURFACE WATER.
SUBASE NEW LONDON CT LANDFILL	AREA A, SITE #2. 25 ACRES	PETROLEUM SLICKS OBSERVED ON THAMES RIVER. LANDFILL CONTENTS: UNKNOWN QUANTITIES OF SPENT SULFURIC ACID, PCB'S, VOC'S, PESTICIDES, AND HERBICIDES.	AS OF 24 OCT 90 PA (C) SI (C) RF (U) HRS 36.53	OBSERVED / NOT OBSERVED	LIKELY. VIA DRAINAGE.
SUBASE NEW LONDON CT LANDFILL	DPDO AREA, SITE #6.	POTENTIAL CONTAMINATION OF THAMES RIVER. LANDFILL CONTENTS: UNKNOWN BURN RESIDUES.	AS OF 3 APR 91 PA (C) SI (C) RF (U) HRS 36.53	NOT OBSERVED/ NOT OBSERVED	POTENTIAL. VIA SURFACE WATER RUN-OFF AND GROUNDWATER DISCHARGE.

INSTALLATION NAME NORTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAS GLENVIEW IL LANDFILL	SITE #2. ENCOMPASSES 3 SMALL BURN AND LANDFILL AREAS. APPROXIMATE TOTAL AREA- 1200'x 600' HOUSEHOLD RUBBISH. ALL WASTES WERE BURNED AND THE ASHES LANDFILLED.	MIGRATORY BIRD HABITAT MAY BE LEAD-CONTAMINATED. WASTES OF CONCERN INCLUDE: MOTOR OIL, HYDRAULIC FLUIDS, SOLVENTS, PAINT WASTES, FUELS, AND HOUSEHOLD RUBBISH. ALL WASTES WERE BURNED AND THE ASHES LANDFILLED.	AS OF 9 APR 91 PA (C) SI (U) HRS 0.00	NOT OBSERVED/ NOT OBSERVED	POTENTIAL. VIA GROUNDWATER AND DRAINAGE.
NTC GREAT LAKES IL LANDFILL	GOLF COURSE LANDFILL, SITE #1. 49 ACRES	POTENTIAL FOR CON- TAMINATION OF SKOKIE DITCH & MISSISSIPPI RIVER WITH THREATS TO HUMAN HEALTH, WILDLIFE AND AQUATIC SPECIES. WASTES OF CONCERN INCLUDE: PERCHLORO- -ETHYLENE, PCB'S, CARBON TETRACHLOR- IDE, SOLVENT 144, AND WASTE MOTOR OIL. WASTES WERE BURNED WHEN TRENCHES HAD BEEN FILLED.	SCHEDULED TO BEGIN AUG. 88	NOT OBSERVED/ NOT OBSERVED	POTENTIAL. VIA GROUNDWATER DISCHARGE

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NORTH DIV					
NSY PORTSMOUTH NH	JAMAICA ISLAND LANDFILL, SITE #1. 25 ACRES	POTENTIAL CONTAMIN- ATION OF SEAFOOD.	RI/FS WAS AN- TICIPATED TO START IN FALL OF 1988.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL. VIA LEACHING.
LANDFILL		WASTES OF CONCERN INCLUDE: PLATING SLUDGES, ASBESTOS, TCE, METHYLENE CHLORIDE, MEK, TOLUENE, ACETYLENE AND CHLORINE GAS CYLINDERS, LEAD, CHROMIUM, WASTE PAINTS, AND SOLVENTS.			
NAVAIRENGEN LAKEHURST NJ	BASE LANDFILL, SITE #42.	POSES A THREAT TO ENVIRONMENTALLY SENSITIVE RIDGEWAY BRANCH.	FIELD WORK WAS TO BEGIN SUMMER 88.	YES/UNKNOWN	GROUNDWATER IS CONTAMINATED WITH TETRACHLOROETHYL- ENE.
LANDFILL		TETRACHLOROETHYLENE			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NORTH DIV					
SPOC MECHANICSBURG PA	GOLF COURSE LANDFILL, SITE #5. 5 ACRES	POTENTIAL FOR GROUNDWATER CONTAM- INATION AND RAPID MIGRATION VIA NEARBY FAULTS.	RI/FS WAS TO BEGIN SUMMER 88.	NOT OBSERVED/ NOT OBSERVED	CONTAMINANTS COULD MIGRATE ALONG FAULT LINES IF THEY ENTER GROUNDWATER.
LANDFILL		WASTES INCLUDE: MOTOR, MACHINE & OTHER WASTE OILS; ANTIFREEZE, PAINTS, VARNISH, SOLVENTS, AND MEDICINES AND MEDICAL SUPPLIES.			
NAVAIRDEVCON WARMINSTER PA	MAIN LANDFILL, SITE #4.	HIGH PROBABILITY OF LEACHING INTO GROUNDWATER.	AS OF 9 APR 91 PA (C) SI (C) RF (U)	NOT OBSERVED/ NOT OBSERVED	HIGH PROBABILITY THAT GROUNDWATER HAS BEEN CONTAMI- NATED VIA LEACHING.
LANDFILL		WASTES INCLUDE: SANITARY FILL, PAINTS, SOLVENTS, WASTE OILS, WASTE METALS, CONSTRUCT- TION WASTES, AND DOMESTIC WASTE SLUDGE.	HRS 57.93		

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NORTH DIV					
NAS WILLOW GROVE PA	ANTENNA FIELD	HIGH POTENTIAL FOR WATER TABLE CONTAMINATION.	CONFIRMATION STUDY WAS RECOMMENDED IN AUG. 88.	NOT OBSERVED/ NOT OBSERVED	POSSIBILITY OF PERCOLATION OF CONTAMINATED GROUNDWATER.
LANDFILL	LANDFILL, SITE #2. 8 ACRES	WASTES INCLUDE: GENERAL REFUSE, PAINT MATERIALS, SCRAP METAL, COAL ASH, SEWAGE SLUDGE, AND OIL & GREASE EMULSIONS.			
NAS WILLOW GROVE PA	9TH STREET LANDFILL, SITE #3. 9 ACRES	SEAFOOD COULD BE IMPACTED.	CONFIRMATION STUDY WAS RECOMMENDED IN AUG 88.	NOT OBSERVED/ NOT OBSERVED	IT IS THE APPARENT DIS- CHARGE ZONE FOR THE WATER TABLE AQUIFER.
LANDFILL		WASTES INCLUDE: GENERAL REFUSE, PAINT MATERIALS, SCRAP METAL, COAL ASH, SEWAGE SLUDGE, OIL & GREASE EMUL- SIONS, AND POSSIBLY PCB'S.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAS WILLOW GROVE PA NORTH DIV	NORTH END LANDFILL, SITE #4. 3.5 ACRES	POTENTIAL SEAFOOD AND POTABLE WATER CONTAMINATION. WASTES INCLUDE: PAINT WASTES, PAINT STRIPPER, XYLENE & TOLUENE, FREON, TCE, PCB'S, POL'S, ASBESTOS, GENERAL REFUSE, INDUSTRIAL SLUDGE, SEWAGE SLUDGE, OIL AND GREASE EMULSIONS, COAL ASH, METAL SCRAP & HEAVY METAL	CONFIRMATION STUDY REC'D AUG. 88.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL. VIA MIGRATION TO SURFACE WATER.
CBC DAVISVILLE RI	ALLEN HARBOR LANDFILL, SITE #9. 15 ACRES	POSSIBILITY OF RE- CREATIONAL WATER- WAY CONTAMINATION. WASTES INCLUDE: CARBON TETRACHLOR- IDE, TCE, CONTAM- INATED FUELS, PLAT- ING WASTES, PAINT SLUDGES, PCB'S, SOLVENTS, OILS, AND P1 + P2 PRESERVATIVES.	AS OF 4 APR 91 PA (C) SI (C) RF (U) HRS 34.52	NOT OBSERVED/ NOT OBSERVED	DOESN'T APPEAR TO BE LIKELY ACCORDING TO WORDING OF REPORT.
LANDFILL					

INSTALLATION NAME NORTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NETC NEWPORT RI	McALLISTER POINT	POTENTIAL SEAFOOD CONTAMINATION.	AS OF 28 MAR 91 PA (C)	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL	LANDFILL, SITE #1. 6 ACRES	WASTES OF CONCERN INCLUDE: SPENT ACIDS, PAINTS, SOLVENTS, WASTE OILS AND PCB'S.	SI (C) RF (U) HRS 32.25		
NETC NEWPORT RI	MEHLVILLE NORTH	POSSIBILITY OF SEA- FOOD CONTAMINATION.	AS OF 28 MAR 91 PA (C)	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL	LANDFILL, SITE #2. 10 ACRES	WASTES INCLUDE: SPENT ACIDS, WASTE PAINTS, SOLVENTS, WASTE OILS, POSSIBLE PCB'S, AND DOMESTIC REFUSE.	SI (C) RF (U) HRS 32.25		
NAWPNSUPPCEN CRANE IN BURIAL	DYE BURIAL GROUNDS, SITE #1.	POTENTIAL POTABLE WATER CONTAMINATION	INITIAL PHASES OF RI HAD COMM- ENCED AS OF JUL. 88.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL VIA RUN- OFF + PERCOLATION.
		WASTES INCLUDE: DYES (INCLUDING TOXIC + POTENTIALLY CARCINOGENIC COMPOUNDS).			

INSTALLATION NAME NORTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAWMNSUPPCEN CRANE IN	CHEMICAL BURIAL GROUNDS, SITE #12.	POTENTIAL POTABLE WATER CONTAMINATION EXISTS IF WATER IS DRAWN FROM GROUND WATER RATHER THAN THE PRESENT UTILIZ- ATION OF SURFACE WATER.	INITIAL PHASES OF RI HAD COM- MENCED AS OF JUL. 88.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL
BURIAL	-	WASTES INCLUDED: MUSTARD GAS AND THORIUM NITRATES.			
NAWMNSUPPCEN CRANE IN	MINE FILL A AND B, SITE #14.	HIGH POTENTIAL FOR SEAFOOD, POTABLE WATER + IRRIGATION CONTAMINATION.	RI/FS HAD BEEN SCHEDULED AS OF JUL. 88.	NOT OBSERVED/ NOT OBSERVED	HIGH POTENTIAL VIA PERCOLATION.
MINE FILL	-	TNT, RDX, AND HMX.			
NAS BRUNSWICK ME	HAZARDOUS BURIAL AREA, SITE #3.	PERMEABLE SEDIMENTS BELOW THE SITE PROVIDE A PATHWAY FOR MIGRATION.	AS OF 11 APR 91 PA (C) SI (C) RF (U) HRS 43.38	ORANGE STAINS (IRON) OBSERVED/ NOT OBSERVED.	POSSIBLY VIA MIGRATION PATHWAYS
BURIAL	-	WASTES INCLUDE: ISOPROPYL ALCOHOL, DANC, PAINTS, AND SOLVENTS.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVAFIELD/CEN WARMINSTER PA	FORMER BURN PIT, SITE #1.	LIKELY CONTAMIN- ATION OF GROUND WATER. WASTES INCLUDE: PAINT, OIL, ASPHALT, SOLVENT, SCRAP METAL, UNSPECIFIED CHEMICALS AND WASTE FROM FIRING RANGES.	AS OF 9 APR 91 PA (C) SI (C) RF (U) HRS 57.93	LIKELY/ NOT OBSERVED	LIKELY TO HAVE OCCURRED VIA LEACHING.
PIT	-				
NAS WILLOW GROVE PA	PRIVET ROAD COMPOUND, SITE #1. 1 ACRE	POTENTIAL CONTAMIN- ATION OF POTABLE WATER. WASTES INCLUDE: SCRAP METAL, PAINT WASTES, COAL ASH, SEWAGE SLUDGE, PCB FLUID, ASBESTOS, GENERAL REFUSE, AND OIL & GREASE EMULSIONS.	AS OF 4 APR 91 PA (C) SI (C) RF (U) HRS 0.00	NOT OBSERVED/ NOT OBSERVED	POTENTIAL
BURIAL					

INSTALLATION NAME NORTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WENSTA EARLE COLTS NECK NJ	LANDFILL SOUTHWEST OF "F" GROUP, SITE #3. 5 ACRES	POSSIBLE CONTAMINATION OF POTABLE WATER. WASTES INCLUDE: PAINTS, PAINT THINNER, SOLVENTS, VARNISHES, ACIDS, SHELLACS, ALCOHOLS, CAUSTICS, PESTICIDE CONTAINERS AND RINSEWATERS, ASBESTOS, OTHER INDUSTRIAL WASTES, AND DOMESTIC WASTES.	AS OF 5 APR 91 PA (C) SI (C) RF (U) HRS 37.21	NOT OBSERVED/ NOT OBSERVED	POSSIBLE VIA LEACHATE.
	LANDFILL				
WENSTA EARLE COLTS NECK NJ	LANDFILL WEST OF "D" GROUP, SITE #4. 5 ACRES	POTENTIAL CONTAMINATION OF POTABLE WATER. WASTES INCLUDE: DOMESTIC & DEMOLITION WASTES, PESTICIDE CONTAINERS & RINSEWATERS, PAINT, PAINT THINNERS, VARNISHES, ACIDS, SHELLACS, ALCOHOLS, CAUSTICS, AND ASBESTOS.	AS OF 5 APR 91 PA (C) SI (C) RF (U) HRS 37.21	NOT OBSERVED/ NOT OBSERVED	POSSIBLE VIA GROUNDWATER.
	LANDFILL				

INSTALLATION NAME NORTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WPNSTA EARLE COLTS NECK NJ LANDFILL	LANDFILL WEST OF ARMY BRIGADE, SITE #5. 13 ACRES	POTENTIAL CONTAMIN- ATION OF POTABLE WATER. WASTES INCLUDE: DOMESTIC WASTES, PESTICIDE CONTAIN- ERS AND RINSEWATER, PAINTS, PAINT THIN- NERS, SOLVENTS, VARNISHES, SHELLACS, ACIDS, ALCOHOLS, AND CAUSTICS.	AS OF 5 APR 91 PA (C) SI (C) RF (U) HRS 37.21	NOT OBSERVED/ NOT OBSERVED	POSSIBLE. VIA LEACHATE.
WPNSTA EARLE COLTS NECK NJ LANDFILL	LANDFILL SOUTH OF THE BARRICADES, SITE #7. 15 ACRES	POSSIBLE AFFECT ON WILDLIFE. WASTES INCLUDE: DUNNAGE, PACKING MATERIALS, SHOP WASTES, AND DOMES- TIC REFUSE.	AS OF 5 APR 91 PA (C) SI (C) RF (U) HRS 37.21	NOT OBSERVED/ NOT OBSERVED	POSSIBLE. VIA LEACHATE.
WPNSTA EARLE COLTS NECK NJ LANDFILL	SCRAP METAL LANDFILL NEAR BLDG. 9589, SITE #10. 2 ACRES	COULD CAUSE CONTAM- INATION OF POTABLE WATER. WASTES INCLUDE: PAINT CHIPS (CON- TAINING LEAD AND ZINC).	AS OF 5 APR 91 PA (C) SI (C) RF (U) HRS 37.21	NOT OBSERVED/ NOT OBSERVED	POSSIBLE.

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NORTH DIV					
NAVARENGEN LAKEHURST NJ	ORIGINAL BASE LANDFILL, SITE #29. 400' X 1200'	POSSIBLE POTABLE WATER CONTAMINATION	FIELD WORK WAS SCHEDULED TO BEGIN SUMMER OF 1988.	NOT OBSERVED/ NOT OBSERVED	POSSIBLE. VIA MIGRATION.
LANDFILL		WASTES INCLUDE: MERCURY, ASBESTOS, PAINT, THINNERS, MAGNESIUM, FLUORESCENT TUBES, INCINERATOR ASH, SOLVENTS, HYDRO- FLUORIC ACID, AND CONTAMINATED FUELS.			
NAVARENGEN LAKEHURST NJ	SANITARY LANDFILL, SITE #31.	GREAT POTENTIAL FOR POTABLE WATER CONTAMINATION.	AS OF 4 APR 91 PA (C) SI (C) RF (U) HRS 50.53	NOT OBSERVED/ NOT OBSERVED	GREAT POTENTIAL VIA MIGRATION.
LANDFILL		WASTES INCLUDE: HYDRAULIC FLUIDS, ASBESTOS, CUTTING OILS, SOLVENTS, PAINT THINNERS, PAINT CANS, WASTE OILS, SLUDGE, FLUID FILTERS, MERCURY, LEAD BULLETS, FLUORESCENT TUBES, FREON CYLINDERS, AND PCB'S.			

INSTALLATION NAME NORTH DIV	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NAVAIRDEVCON WARMINSTER PA LANDFILL	BUILDING 401 WASTE ENTRENCHMENT	POSSIBILITY OF SURFACE WATER CONTAMINATION.	AS OF 9 APR 91 PA (C)	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
	SITE #5. 1900 - 2000 CU. YDS.	WASTES INCLUDE: DEMOLITION WASTES, PAINTS, SOLVENTS, SCRAP METALS, AIRCRAFT PAINTS AND CANS, AND ASPHALT.	SI (C) RF (U) HRS 57.93		
NAVAIRDEVCON WARMINSTER PA LANDFILL	WASTE ENTRENCHMENT SITE #7. 700 CU. YDS.	POSSIBILITY OF SURFACE WATER CONTAMINATION. INDUSTRIAL WASTE SLUDGE CAKE.	AS OF 9 APR 91 PA (C) SI (C) RF (U) HRS 57.93	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
NAS BRUNSWICK ME LANDFILL	NEPTUNE DRIVE DISPOSAL SITE, SITE #9.	POSSIBILITY EXISTS FOR SURFACE WATER CONTAMINATION. WASTES INCLUDE: METAL SHOP WASTES, SOLVENTS, AND PAINT SLUDGES.	AS OF 11 APR 91 PA (C) SI (C) RF (U) HRS 43.38	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NORTH DIV					
SPOC MECHANICSBURG PA	BALL ROAD LANDFILL AND BURN PITS, SITE #3. 7.5 ACRES	BOTTOMS OF DISPOSAL PITS MAY BE BENEATH SEASONAL HIGH WATER TABLE. (POTENTIAL THREAT)	RI/FS WAS TO BEGIN SUMMER 83.	NOT OBSERVED/ NOT OBSERVED	CONTAMINANTS COULD MIGRATE ALONG FAULT LINES IF THEY ENTER THE GROUNDWATER.
LANDFILL		WASTES INCLUDE: MOTOR, MACHINE & OTHER WASTE OILS; ANTIFREEZE, PAINTS & PAINT SLUDGES; TRICHLOROETHYLENE (POSSIBLY CONTAMIN- ATED WITH PCB'S); STODDARD SOLVENT; AND OTHER SOLVENTS.			

WESTDIV (SILVERDALE) SITES

LANDFILLS	-	16
FILLS	-	1
BURIALS	-	1

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SILVERDALE)					
NAS ADAK AK	ANDREW LAKE LANDFILL, SITE #8. 2 ACRES	POTENTIAL SAFETY HAZARD DUE TO LIVE ORDNANCE.	IAS RECOM'D SAFETY MEASURES (SIGNS) IN '86. A ROUTINE SAFETY PROGRAM WAS RECOM'D AS OF JUN. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		ORDNANCE ITEMS.			
NAS ADAK AK	PALISADES LAKE LANDFILL, SITE #11. 15 ACRES	POTENTIAL EXISTS FOR SURFACE WATER CONTAMINATION AND SUBSEQUENT AFFECT ON AQUATIC LIFE. WASTE POLS, CHLOR- INATED SOLVENTS, NON-CHLORINATED SOLVENTS, PAINT, MERCURY, ASPHALT, AND BATTERIES.	RECOM'D FOR SI, AS OF JUN. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
NAS ADAK AK	METALS LANDFILL, SITE #13. 500'x 150'x 10-20'DEEP.	CONTAMINATION COULD REACH SURFACE WATERS AND AFFECT AQUATIC LIFE. POL'S, PCB'S, CHLORINATED AND NON-CHLORINATED SOLVENTS, PESTI- CIDES, BATTERIES (LEAD), MERCURY + LITHIUM BATTERIES, PAINTS (LEAD), SEWAGE SLUDGE (HEAVY METALS), AND LIVE ORDNANCE.	RECOM'D FOR SI, AS OF JUN. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SILVERDALE)					
NAS ADAK AK	ROBERTS LANDFILL, SITE #25 AND ROBERTS DRUM/SLUDGE DISPOSAL AREA, SITE #24. BOTH SITES HAVE BEEN COMBINED TO TOTAL, 5.25 ACRES.	POSSIBILITY OF CON- TAMINATION VIA SUR- FACE RUNOFF AND GROUNDWATER, WHICH COULD AFFECT AQUATIC LIFE.	RECOM'D FOR SI, AS OF JUN. '88.	APPEARS TO BE PRESENT/NOT OBSERVED	APPEARS TO BE PRESENT
LANDFILL		INDUSTRIAL LIQUIDS, ASBESTOS, FUEL TANK SLUDGES, WASTE OIL, LEAD AND MERCURY BATTERIES, SOLVENTS, PAINT (LEAD), THINNERS, AND LEAD.			
NAS ADAK AK	FINGER BAY LANDFILL, SITE #29. 6 ACRES	POSSIBILITY OF CONTAMINATION VIA SURFACE RUNOFF AND GROUNDWATER, COULD AFFECT AQUATIC LIFE.	RECOM'D FOR SI, AS OF JUN. '88.	APPEARS TO BE PRESENT/NOT OBSERVED	APPEARS TO BE PRESENT
LANDFILL		LIQUID WASTE, POL, CHLORINATED SOL- VENTS, PAINTS AND THINNERS, LEAD AND MERCURY BATTERIES, PESTICIDES, NITRO- BENZENE, AND LEAD X-RAY PLATES.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SILVERDALE)					
NAS ADAK AK	MAGAZINE 4 LANDFILL, SITE #30. 100' x 200' x 4-6'.	CONTAMINANTS COULD MIGRATE VIA SURFACE RUNOFF, AFFECTING AQUATIC LIFE. UNKNOWN TYPES AND QUANTITIES OF HAZ- ARDOUS MATERIALS.	RECOM'D FOR SI, AS OF JUN. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
NAVUSEAWARENGSTA KEYPORT WA	NWES KEYPORT LANDFILL (AKA, KEYPORT LANDFILL), SITE #1. 7 ACRES	POTENTIAL FOR CON- TAMINATION REACHING SURFACE WATER, AFFECTING FISH AND CONSEQUENTLY HUMANS PLATING WASTES, PAINT RESIDUES, SOLVENTS, PAINT, SLUDGE, ACIDS, OILS, PESTICIDE RINSEATE, CAUSTICS, AND FUELS.	AS OF 7 MAR 91 PA (C) SI (C) RI/FS (U) HRS 33.60	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SILVERDALE)					
INDIAN ISLAND ANNEX WA	INDIAN ISLAND	CONTAMINATION COULD REACH SURFACE	RECOM'D FOR RI/ FS AS OF JUN.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
	NORTH END	WATERS, AQUATIC	'88.		
	LANDFILL,	LIFE, HUMANS, AND			
	SITE #10.	ENDANGERED SPECIES.			
	5 ACRES	PAINT, THINNERS,			
LANDFILL		STRIPPERS, METHYL			
		ETHYL KETONE,			
		TRICHLOROETHYLENE,			
		TRICHLOROETHANE,			
		CARBON TETRACHLOR-			
		IDE, OIL, LEAD,			
		ZINC, AND POLYURE-			
		THANE RESINS.			
INDIAN ISLAND ANNEX WA	INDIAN	POSSIBILITY OF	RECOM'D FOR RI/ FS AS OF JUN.	NOT OBSERVED	NOT OBSERVED
	ISLAND BLDG.	CONTAMINATING		NOT OBSERVED	
	86 FILL,	POTABLE WATER.	'88.		
	SITE #21.				
	5,000 SQ. FT.	WASTE OIL, SOLVENTS,			
LANDFILL		ELECTRICAL EQUIP-			
		MENT (PCB'S), AND			
		PAINT.			

INSTALLATION NAME	SITE NAME	CONTAMINANT FORM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SILVERDALE)					
NAS WHIDBEY ISLAND WA	BEACH	COULD CONTAMINATE	RI/FS WAS IN	NOT OBSERVED/	NOT OBSERVED
	LANDFILL,	WETLANDS AND AFFECT	PROGRESS AS OF	NOT OBSERVED	
	SITE #1.	WILDLIFE.	JUN. '88.		
LANDFILL	6 ACRES	PAINTS, STRIPPERS,			
		THINNERS, STODDARD			
		SOLVENT, METHYL			
		ETHYL KETONE,			
		CARBON TETRACHLOR-			
		IDE, TRICHLORO-			
		ETHYLENE, TRICHLOR-			
		ETHANE, CAUSTIC			
		CLEANERS, FUELS,			
		OILS, GREASES,			
		LEAD, ASBESTOS,			
		ZINC, MAGNESIUM, AND			
		OTHER METALS.			
NAS WHIDBEY ISLAND WA	WESTERN	COULD CONTAMINATE	AS OF 7 MAR 91	PRESENCE/	NOT OBSERVED
	HIGHLAND	SURFACE AND GROUND	PA (C)	NOT OBSERVED	
	LANDFILL,	WATER, WITH AFFECTS	SI (C)		
	SITE #2.	ON WILDLIFE, ENDAN-	HERS 48.48		
	13 ACRES	GERED SPECIES, AND			
		POTABLE WATER.			
LANDFILL		METALS, PAINTS,			
		SOLVENTS, THINNERS,			
		ALCOHOLS, CAUSTICS,			
		OILS, FUELS, AND			
		ASBESTOS.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SILVERDALE)					
NAS WHIDBEY ISLAND	WA 1969-1970 LANDFILL, SITE #3. 1.5 ACRES	MAY CONTAMINATE WETLANDS, GROUND - WATER AND POTABLE WATER. PAINTS, THINNERS, STRIPPERS, SOLVENTS, ALCOHOLS, CAUSTICS, OILS, FUELS, METALS, AND ASBESTOS.	AS OF 7 MAR 91 PA (C) SI (C) HRS 48.48	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
NAS WHIDBEY ISLAND	WA HIGHWAY 20/ HOFFMAN ROAD LANDFILL, SITE #5. 1 ACRE.	POSSIBILITY OF FUTURE POTABLE WATER CONTAMINATION OILY WASTE, PAINTS, THINNERS, SOLVENTS, STRIPPERS, HYDRAUL- IC FLUID, WASTE OILS, AND FUELS.	AS OF 7 MAR 91 PA (C) SI (C) RI/FS (U) HRS 48.48	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
NAS WHIDBEY ISLAND	WA CURRENT LANDFILL SITE (AKA, SITE 6 LAND- FILL), SITE #6. 20 ACRES	POSSIBILITY OF POTABLE WATER CONTAMINATION VIA GROUNDWATER. ACIDS, CAUSTICS, SOLVENTS, THINNERS, AND STRIPPERS.	AS OF 7 MAR 91 PA (C) SI (C) RI/FS (U)	NOT OBSERVED/ NOT OBSERVED	YES
LANDFILL					

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SILVERDALE)					
NAS WHIDBEY ISLAND WA	SEAPLANE BASE	POTENTIAL EXISTS FOR CONTAMINATION	AS OF 7 MAR 91	NOT OBSERVED/	NOT OBSERVED
	LANDFILL,	OF WETLANDS AND	PA (C)	NOT OBSERVED	
	SITE #49.	SURFACE WATER	SI (C)		
	3-4 ACRES	(AQUATIC AND WILD- LIFE).	RF (U)		
LANDFILL		METALS, SOLVENTS, DEGREASERS, PAINTS, THINNERS AND STRIPPERS.	HRS 39.69		
NAVHOSP BREMERSON WA	GARBAGE AND ORDNANCE DISPOSAL AREA, SITE #103.	MINIMAL THREAT TO SHELLFISH.	RI/FS IN PROG- RESS, AS OF JUN. '88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
FILL		ACTUAL WASTES NOT DETERMINED, BUT MAY INCLUDE: METALS, SOLVENTS, PHTHALATE & BURNED ORDNANCE.			
SUBBASE BANGOR WA	BURIED BARRELS AND CANS OF PESTICIDE, SITE #11.	NONE IDENTIFIED	AS OF 15 MAR 91	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
BURIAL		PESTICIDES (2,4-D; DDT; AND TORDON).	PA (C) SI (C) RF (U) HRS 55.91		

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SILVERDALE)					
NSB BANGOR WA	FLORAL POINT, SITE #B.	- REFUSE WITH HAZARDOUS WASTE, AND ORDNANCE COMPOUNDS.	AS OF 15 MAR 91 PA (C) SI (C) RF (U) HRS 55.91	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED

WESTDIV (SAN DIEGO)

LANDFILLS	-	29
BURIALS	-	6
PITS	-	1

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
MCLB BARSTOW CA	LANDFILL AREA, SITE #23. 45 ACRES	MINIMAL CONTAMINA- TION THREAT.	AS OF 11 APR 91 PA (C) SI (C) RF (U) HRS 37.93	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		REFUSE AND NON HAZ- ARDOUS SOLID MATERIALS.			
NAVWPNCN CHINA LAKE CA	PILOT PLANT ROAD LANDFILL, SITE #22.	CONTAMINATION IS MIGRATING TOWARDS POTABLE WATER WELLS.	RECOM'D. FOR RI/FS, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	YES
LANDFILL		OILS, SOLVENTS, PESTICIDES, PAINTS, AND THINNERS.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
NAVWPCEN CHINA LAKE CA	LAURITSEN ROAD LANDFILL, SITE #34. SEVERAL TRENCHES - 100'x 15' x10' DEEP.	CONTAMINANTS FOUND IN WELL COULD MIGRATE VIA GROUND WATER TO POTABLE WATER WELLS. SOLVENTS, LABORATORY CHEMICALS, PESTIC- IDES, AND OILS.	THE CONTAMINA- TED PORTION OF SITE #34 WILL BE ADDED TO SITE #7 FOR RI/FS, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	YES
NAVWPCEN CHINA LAKE CA	SHORT ROAD LANDFILL, SITE #12.	POTENTIAL EXISTS FOR POTABLE WATER CONTAMINATION.	RECOM'D FOR RI/FS, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	YES
LANDFILL		TCE, WASTE OILS, UNSPECIFIED CHEMICALS, AND PCB'S.			
MCB CAMP PENDLETON CA	LAS FULGAS LANDFILL, SITE #8. ESTIMATED - 16,000 CU.YDS. OF WASTE MATER- IALS.	POTENTIAL THREAT TO HUMANS VIA CONTAM- INATED GROUND WATER. DEMOLITION DEBRIS, ASBESTOS, PENTACHLOROPHENOL - TREATED WOOD, AIR- FIELD CORROSION CONTROL WASTES CON- TAINING: (PAINTS, LACQUERS, STRIPPERS, THINNERS, SOLVENTS, EPOXIES, AND SEAL- ANTS), ORDNANCE, AND HOSPITAL WASTES.	AS OF 15 APR 91 PA (C) SI (C) RF (U) HRS 33.79	NOT OBSERVED/ NOT OBSERVED	YES
LANDFILL					

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
NAF EL CENTRO CA	MAGAZINE ROAD	HIGH POTENTIAL FOR SURFACE AND GROUND WATER CONTAMINATION	NEGOTIATIONS U/W FOR RI/FS	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
	LANDFILL, SITE #1.	WITH RESULTANT IRRIGATION WATER CONTAMINATION.	CONTRACT, AS OF AUG 88.		
LANDFILL	4 ACRES				
		PLATING WASTES, ASBESTOS, WATER BEARING FUELS, HYDRAULIC FLUID, SANDBLAST GRIT, BATTERIES, PAINT, SOLVENTS, MOTOR OIL, PESTICIDES, PHOTOGRAPHIC CHEM- ICALS, AND 40 mm CARTRIDGES.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
NAF EL CENTRO CA	PATROL ROAD LANDFILL, SITE #2. 30 ACRES	HIGH POTENTIAL FOR SURFACE WATER CON- TAMINATION. GROUND WATER MAY ALSO BE AFFECTED FOR DOMESTIC OR IRRIGA- TION USE.	NEGOTIATIONS U/W FOR THE RI/FS CONTRACT, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		PAINT, SOLVENTS (CARBON TETRACHLOR- IDE, TETRACHLORO- ETHYLENE, METHYL ETHYL KETONE, FREON-113, TRICHLOROETHYLENE), ASBESTOS, AVGAS, JET FUEL, DIESEL & REGULAR MOGAS, HYDRAULIC FLUID, MERCURY AMALGAM, BATTERIES, SAND- BLAST GRIT, OIL, AND CHLORINATED PESTICIDES.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
NAS NORTH ISLAND SAN DIEGO CA	GOLF COURSE DISPOSAL AREA, SITE #5. 30 ACRES	LOW POTENTIAL FOR OFF-SITE MIGRATION. OIL, SOLVENTS, HYDRAULIC FLUID, RESINS, AND PAINTS.	SITE COULD GO TO FULL REMED- IATION, EXCAVA- TION, REMOVAL OF TRASH, MON- ITORING VENTS, AND FINALLY CAPPING ENTIRE SITE, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
NALF SAN CLEMENTE ISLAND CA	SAN CLEMENTE ISLAND LANDFILL, SITE #15. 50,000 SQ. FT.	POTENTIAL FOR CONTAMINATION OF SOILS AND SURFACE WATER, POSES THREAT TO ENDANGERED OR THREATENED SPECIES, AQUATIC LIFE, AND HUMANS. NAPHTHALENE, OILS, FLAMMABLE LIQUIDS, EXPLOSIVES, PAINT, AND TRASH.	RI/FS RECOM'D., AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
NTC SAN DIEGO CA WESTDIV (SAN DIEGO)	OLD MCRD REFUSE DISPOSAL AREA, SITE #1. 32 ACRES	POTENTIAL FOR SURFACE RUNOFF AND GROUND WATER CON- TAMINATION. POSES A THREAT TO FISH, WILDLIFE, HUMANS, AND ENDANGERED SPECIES.	RI/FS BEING NEGOTIATED, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		PENTACHLOROPHENOL, MOTOR OILS, PAINTS, SOLVENTS, THINNERS, GASOLINE, PCB'S ?, AND PLATING WASTES.			
MCAS EL TORO SANTA ANA CA	MAGAZINE ROAD LANDFILL, SITE #2. 22 ACRES	CONTAMINANTS COULD MIGRATE VIA SURFACE OR GROUND WATER PATHWAYS. GROUNDWTR. IS USED FOR IRRIGA- TION. THREAT TO ENDANGERED SPECIES AND HUMANS.	AS OF 25 APR 91 PA (C) SI (C) RF (U) HRS 40.83	NOT OBSERVED/ NOT OBSERVED	MAY BE
LANDFILL		LEAD BATTERIES, WASTE POL'S, FUELS, LEAD-BASED PAINT, SOLVENTS, AND PCB- CONTAINING TRANSFORMERS.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
MCAS EL TORO SANTA ANA CA	ORIGINAL LANDFILL, SITE #3. 163,000 - 243,000 CU.YDS. OF WASTES DEPOSITED.	POTENTIAL FOR SURFACE AND GROUND WTR. CONTAMINATION. WATER IS USED FOR IRRIGATION. THREAT TO ENDANGERED SPECIES AND HUMANS.	AS OF 25 APR 91 PA (C) SI (C) RF (U) HRS 40.83	NOT OBSERVED/ NOT OBSERVED	MAY BE
LANDFILL		SOLVENTS, PAINT RESIDUES, AND OIL.			
MCAS EL TORO SANTA ANA CA	PERIMETER ROAD LANDFILL, SITE #5. 50,000 - 60,000 CU.YDS. OF WASTE DEPOSITED.	POTENTIAL FOR SURFACE AND GROUND WATER CONTAMINA- TION. WATER IS USED FOR AGRICULTURE. THREAT TO ENDANGER- ED SPECIES AND HUMANS. OILS, FUELS, SOLVENTS, CLEANING FLUIDS, AND PAINT RESIDUES.	AS OF 25 APR 91 PA (C) SI (C) RF (U)	NOT OBSERVED/ NOT OBSERVED	MAY BE
LANDFILL					

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
MCAS EL TORO SANTA ANA CA	COMMUNICA- TION STATION LANDFILL, SITE #17. 26 ACRES	CONTAMINANTS COULD MIGRATE INTO THE GROUNDWATER, WHICH IS USED FOR AGRI- CULTURE.	AS OF 25 APR 91 PA (C) SI (C) RF (U) HRS 40.83	NOT OBSERVED/ NOT OBSERVED	MAY BE
LANDFILL		OILS, FUELS, AND UNKNOWN, UNAUTHOR- IZED DEPOSITS.			
WPSTA SEAL BEACH CA	STATION LANDFILL, SITE #7. 27,000 CU.YDS.	POTENTIAL EXISTS FOR CONTAMINANT MIGRATION TO GRND. WATER AND WETLANDS. THREAT TO FISH, ENDANGERED SPECIES, AND HUMANS.	CONTRACT NEGOTIATIONS FOR RI/FS DUE TO BEGIN IN MID '88, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		SOLVENTS, MINERAL OIL, LACQUER THIN- NER, PHOTOGRAPHIC CHEMICALS, PAINT, PAINT SLUDGES, PAINT CANS, ASBESTOS, MERCURY BATTERIES, AND MERCURY-CONTAINING WASTES.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
MCAGCC TWENTYNINE PALMS CA	LANDFILL #1, SITE #14. 4 ACRES	POTENTIAL EXISTS FOR GROUNDWATER CONTAMINATION, POSING A THREAT TO HUMANS VIA POTABLE WATER.	RECOM'D. FOR RI/FS, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	POTENTIALLY
LANDFILL		FUEL, LUBE OIL, PAINT STRIPPERS AND RESIDUES, SOLVENTS, VEHICLE BATTERIES, AMMUNITION, RADIUM DIALS, AND MAGNATRON TUBES.			
MCAGCC TWENTYNINE PALMS CA	LANDFILL #2, SITE #15. 48 ACRES	POTENTIAL EXISTS FOR GROUNDWATER CONTAMINATION, POSING THREAT TO HUMANS VIA POTABLE WATER.	IN CONFIRMATION PHASE OF RI/FS, NOT AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	POTENTIALLY
LANDFILL		OILY WASTE, PAINT STRIPPERS AND RESIDUES, SOLVENTS, VEHICLE BATTERIES, AMMUNITION, RADIUM DIALS, AND MAGNATRON TUBES.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
MCAGCC	LANDFILL #3,	POTENTIAL EXISTS	WAS INCLUDED IN	NOT OBSERVED/	POTENTIAL
TWENTYNINE PALMS CA	SITE #16.	FOR GROUND WATER	CONFIRMATION	NOT OBSERVED	
	1 ACRE	CONTAMINATION,	STUDY, AS OF		
		POSING A THREAT TO	AUG 88.		
		HUMANS VIA POTABLE			
		WATER.			
LANDFILL		VEHICLE BATTERIES,			
		SOLVENTS, RADIUM			
		DIALS, MAGNATRON			
		TUBES, PAINT STRIP-			
		PERS AND RESIDUES,			
		OIL, FUEL, AND			
		AMMUNITION.			
FASOTRAGRUPAC DET	SERE CAMP	GROUND WATER CON-	A SAMPLING PLAN	NOT OBSERVED/	POTENTIAL
WARNER SPRINGS CA	LANDFILL,	TAMINATION POTEN-	WAS PROPOSED,	NOT OBSERVED	
	SITE #1.	TIAL EXISTS, POSING	AS OF AUG 88.		
	2 ACRES	THREAT VIA POTABLE			
		WATER.			
LANDFILL		MOTOR OIL, LUBES,			
		SOLVENTS, PAINT,			
		ETHYLENE GLYCOL,			
		HYDRAULIC FLUID,			
		FUELS, ACIDS,			
		BATTERIES, AND			
		HOUSEHOLD TRASH.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
NAS FALLON NV	SOUTHEAST RUNWAY LANDFILL, SITE #18.	HIGH POTENTIAL EXISTS THAT GROUND WATER HAS BEEN CON- TAMINATED, POSING A THREAT TO HUMANS, LIVESTOCK, WILDLIFE, ENDANGERED SPECIES, AND FISH.	WORK PLAN FOR RI/FS BEING DEVELOPED, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	HIGH POTENTIAL THAT CONTAMINATION OF GROUND WATER HAS OCCURRED.
LANDFILL	18,000 TONS	IT IS LIKELY THAT HAZARDOUS WASTES WERE DUMPED AT THE SITE. HOWEVER, FURTHER INFORMATION IS NOT AVAILABLE.			
NAS FALLON NV	CHECKERBOARD LANDFILL, SITE #20.	HIGH POTENTIAL EXISTS THAT GROUND WATER HAS BEEN CON- TAMINATED, POSING A THREAT TO: HUMANS, FISH, LIVESTOCK, WILDLIFE, AND ENDANGERED SPECIES.	WORK PLAN FOR RI/FS BEING DEVELOPED, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	HIGH POTENTIAL THAT GROUND WATER HAS BEEN CONTAMIN- ATED.
LANDFILL	85,000 TONS	WASTE WATER TREAT- MENT SLUDGE, AND POSSIBLY OTHER HAZARDOUS WASTES. FURTHER INFORMATION IS NOT AVAILABLE.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
NAS FALLON NV	RECEIVER SITE	HIGH POTENTIAL EXISTS THAT GROUND WATER HAS BEEN CONTAMINATED, POSING A THREAT TO: HUMANS, LIVESTOCK, FISH, WILDLIFE, AND ENDANGERED SPECIES.	WORK PLAN FOR RI/FS BEING DEVELOPED, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	HIGH POTENTIAL THAT GROUND WATER HAS BEEN CONTAMIN- ATED.
LANDFILL		TREATMENT POND SLUDGE, JP-5, GASOLINE, DIESEL FUEL, WASTE OILS, AND HYDRAULIC FLUID.			
NAS FALLON NV	NORTHEAST RUNWAY	HIGH POTENTIAL EXISTS THAT GROUND WATER HAS BEEN CONTAMINATED, POSING A THREAT TO: HUMANS, LIVESTOCK, WILDLIFE, FISH, AND ENDANGERED SPECIES.	WORK PLAN FOR RI/FS BEING DEVELOPED, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	HIGH POTENTIAL THAT GROUND WATER HAS BEEN CONTAMIN- ATED.
LANDFILL	SITE #22. 60,000 TONS	MINOR AMOUNTS OF HAZARDOUS MATERIALS MAY BE PRESENT, SITE WAS SUPPOSED TO BE USED PRIMARILY FOR TRASH.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
MCLB BARSTOW CA	LANDFILL NORTH OF GOLF COURSE, NEBO, SITE #1.	- INDUSTRIAL SLUDGE, AND INERT MATERIAL.	AS OF 5 APR 91 PA (C) SI (C) RF (U) HRS 37.93	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL	-				
MCLB BARSTOW CA	ORIGINAL TRASH LANDFILL, NEBO, SITE #6.	- REFUSE, WITHOUT HAZARDOUS WASTE.	AS OF 10 APR 91 PA (C) SI (C) RF (U) HRS 37.93	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL	-				
MCLB BARSTOW CA	DI'M STORAGE AND LANDFILL, NEBO, SITE #7.	- REFUSE, WITHOUT HAZARDOUS WASTE.	AS OF 10 APR 91 PA (C) SI (C) RF (U) HRS 37.93	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL	-				
MCB CAMP PENDLETON CA	BOX CANYON LANDFILL, SITE #7.	- REFUSE, WITH HAZARDOUS WASTE.	AS OF 15 APR 91 PA (C) SI (C) RF (U) HRS 33.79	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL	-				

INSTALLATION NAME WESTDIV (SAN DIEGO)	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRES.ENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
MCB CAMP PENDLETON CA	SAN ONOFRE LANDFILL, SITE #14.	-	AS OF 15 APR 91	NOT OBSERVED/	NOT OBSERVED
		UNKNOWN.	PA (C)	NOT OBSERVED	
			SI (C)		
LANDFILL			RF (U)		
			HRS 33.79		
PMTC POINT MUGU CA	LAGOON LANDFILL, SITE #1. 25 ACRES	POTENTIAL EXISTS FOR CONTAMINATION TO LEACH OR BE ERODED FROM THE LANDFILL, WITH RESULTANT THREAT TO SALINE AQUIFER AND SURFACE WATERS, POSING DANGER TO THREATENED SPECIES, ESTUARINE WILDLIFE, AND THE FOOD WEB; IMPACTING THE HIGH- ER ORDER SPECIES PRESENT.	A WORK PLAN FOR RI/FS HAS BEEN FINALIZED, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
		WASTE OIL, SOLVENTS, PAINT, PAINT SLUDGE, THINNER, TRANSFOR- MER OIL FILTERS (PCB'S), AND MERCURY AMALGAM.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
NAS NORTH ISLAND SAN DIEGO CA	HERITAGE PARK PUBLIC WORKS	HIGH CONCENTRATIONS OF PCB'S, POSING A THREAT TO HUMANS.	RI/FS WAS SCHED., AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
BURIAL	SALVAGE YARD, SITE #6. 0.15 ACRES	50-75 GALLONS OF PCB'S MAY HAVE LEAKED.			
NALF SAN CLEMENTE ISLAND CA	NORTH TANK DAM DISPOSAL AREA, SITE #12.	POTENTIAL EXIST FOR SURFACE RUNOFF CONTAMINATING SURFACE WATERS, POSING A THREAT TO: AQUATIC LIFE, WILD- LIFE, ENDANGERED SPECIES OF PLANTS AND ANIMALS.	RI/FS RECOM'D, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
BURIAL					
NALF SAN CLEMENTE ISLAND CA	FORMER ORDNANCE DISPOSAL AREA, SITE #14. 17,000 TONS	POTENTIAL FOR GRND. WATER CONTAMINA- TION, POSING A THREAT TO ENVIRON- MENT, WILDLIFE, SEA LIFE, HUMANS, ENDANGERED SPECIES OF PLANTS AND ANIMALS. SMOKELESS POWDER, DEMOLITION CHARGES, WP PROJECTILES & GRENADES, ROCKETS, GUN AMMO & PYRO.	RI/FS RECOM'D, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL.
PIT					

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
NAS FALLON NV	POST WORLD WAR II BURIAL SITE, SITE #19. 2200 CU.YDS.	HIGH POTENTIAL EXISTS THAT GRND. WATER HAS BEEN CON- TAMINATED, POSING A THREAT TO: HUMANS, LIVESTOCK, WILD- LIFE, FISH, AND ENDANGERED SPECIES.	WORK PLAN BEING DEVELOPED FOR RI/FS, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL.
BURIAL		VEHICLES, AND POS- SIBLY PAINTS, THIN- NERS, AND ENGINE CLEANING SOLVENT.			
NAS FALLON NV	SHIPPING AND RECEIVING DISPOSAL SITE, AND AIRCRAFT DISPOSAL SITE, SITE #23. 1300 CU.YDS. *PLUS ONE DC-9.*	HIGH POTENTIAL EXISTS THAT GRND. WATER HAS BEEN CON- TAMINATED, POSING A THREAT TO: HUMANS, FISH, LIVESTOCK, WILDLIFE, AND ENDANGERED SPECIES. ONE DC-9 (POSSIBLY WITH 100 GAL. OF HAZARDOUS FLUIDS ON BOARD), AND ASBESTOS.	WORK PLAN FOR RI/FS BEING DEVELOPED, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	HIGH POTENTIAL EXISTS THAT GROUND WATER HAS BEEN CONTAMINATED.
BURIAL					

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN DIEGO)					
NAF EL CENTRO CA	SLUDGE BURIAL AREA, SITE #3. 20'x 10'x 5' DEEP.	POTENTIAL EXISTS FOR CYANIDE AND SILVER CONTAMINA- TION OF GRNDWIR. GRNDWIR. IS NOT SUITABLE FOR DOMES- TIC OR AGRICULTURAL USE.	NEGOTIATIONS ARE U/W FOR RI/FS CONTRACT, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	POTENTIAL EXISTS.
BURIAL		SEWAGE SLUDGE (CONTAINING SILVER AND CYANIDE).			
NCBC PORT HUENEME CA	EARTH MOVING AREA, SITE # 14. 30 ACRES	PERSONNEL MAY BE EXPOSED TO PCB'S. UNKNOWN CHEMICALS (DIAZINON ?), VAPAM (A PESTICIDE), AND WASTE OILS (PCB'S).	RI/FS INVESTI- GATIONS SCHED. TO BEGIN IN MID 1988, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
BURIAL					

WESTDIV (SAN BRUNO) SITES

LANDFILLS	-	12
BURIALS	-	1
FILLS	-	1

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN BRUNO)					
NAS ALAMEDA CA	1943-1956 DISPOSAL AREA, SITE# 1. 120 ACRES	POTENTIAL HUMAN HEALTH IMPACT. POSSIBILITY OF SURFACE WATER CON- TAMINATION, (FISH, AND ENDANGERED SPECIES). LOW LEVEL RADIOLOG- ICAL WASTE, WASTE OIL, PAINT WASTE, SOLVENTS, AND CLEANING COMPOUNDS.	WILL BE INCLUD- ED IN RI/FS AS OF, AUG 88.	NOT OBSERVED/ NOT OBSERVED	YES
LANDFILL					
NAS ALAMEDA CA	WEST BEACH LANDFILL, SITE #2. 5 ACRES	SOILS AT SITE ARE POTENTIALLY CONTAM- INATED. POSSIBILITY OF SURFACE WATER CONTAMINATION, (FISH, ENDANGERED SPECIES, AND MAN). SOLVENTS, PCB'S, PLATING WASTES, METALS, PESTICIDES, ORDNANCE, LOW LEVEL RADIOACTIVE WASTE, INFECTIOUS WASTE, ACIDS, OILY WASTE + SLUDGES, PAINTS, STRIPPERS, THINNERS, MERCURY, TEAR GAS AGENTS, BATTERIES AND CREOSOTE.	WILL BE INCLUDED IN RI/FS AS OF, AUG 88.	NOT OBSERVED/ NOT OBSERVED	YES
LANDFILL					

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN BRUNO)					
MCMWTC BRIDGEPORT CA	PICKEL MEADOW LANDFILL, SITE #3.	POTENTIAL FOR SOIL AND GROUNDWATER CONTAMINATION, ALSO THREAT OF SURFACE WATER CONTAMINA- TION.	UNDERGOING SI, AS OF JUN 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		SOLVENTS, OIL, PAINT, AND BATTER- IES.			
WPNSTA CONCORD CA	TIDAL AREA LANDFILL, SITE #1. 100 ACRES	POTENTIAL FOR SURFACE CONTAMINA- TION AND RESULTANT IMPACT ON ENDANGER- ED SPECIES OF WILDLIFE & PLANTS.	AS OF 11 OCT 90 PA (C) SI (C) RF (U) HRS 29.92	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		TRITANOL FILLER, SOLVENTS, PAINT CANS, ACIDS, CREOSOTE-TREATED TIMBERS, ASPHALT, CONCRETE, ASBESTOS, AND ORDNANCE MATERIAL.			
NRTF DIXON CA	LANDFILL AREAS, SITE #1. (THREE LANDFILLS) 1 ACRE TOTAL	CONTAMINATION COULD MIGRATE VIA GRNDWTR TO POTABLE, SURFACE WATERS AND WETLANDS. SHOP WASTES, FUELS, SOLVENTS, ELECTRICAL EQUIP. (PCB'S ?), AND EMPTY PESTICIDE CONTAINERS.	RECOM'D FOR SI, AS OF JUN 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN BRUNO)					
NAS LEMOORE CA	LANDFILL, SITE #1. 39 ACRES	POTENTIAL FOR CONTAMINATION OF SURFACE AND POTABLE WATERS, AND WETLANDS.	SITE IS SCHED. TO BE INCLUDED IN THE CHARAC- TERIZATION STUDY OF THE RI/FS WHICH WAS EXPECTED TO BEGIN JAN 89, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	YES
LANDFILL		INDUSTRIAL WASTES, SOLVENTS, CHEMICALS, ASBESTOS, TRICHLOR- OETHANE, TCE, MEK, TURLO, PLATING SOLUTIONS, ACETONE, PAINTS, SOLVENTS, WASTE OILS, PCB'S, AND PESTICIDES.			
NAS MOFFETT FIELD CA	GOLF COURSE LANDFILL, SITE #2.	LOW CONCENTRATIONS OF PCB'S IN SOIL. POSSIBILITY OF CONTAMINATION MIGRATING OFF-BASE VIA SURFACE AND GROUND WATER (POSS- IBILITY OF HUMAN AND WILDLIFE IMPACT).	TO BE INCLUDED IN RI/FS, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	YES
LANDFILL		MINIMAL INFO AVAILABLE ON TYPES, QUANTITIES, OR EXTENT OF MATERIALS DEPOSITED.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN BRUNO)					
NSV HUNTERS POINT CA	INDUSTRIAL LANDFILL, SITE #3. 20 ACRES	IT IS POSSIBLE THAT CONTAMINATION HAS REACHED THE GROUND WATER AND IS MIGRA- TING TOWARDS THE SURFACE WATER. POSES A THREAT TO MARINE LIFE AND HUMANS.	AS OF 27 OCT 90 PA (C) SI (C) HRS 48.77	YES/ NOT OBSERVED	POSSIBLY HAS OCCURRED.
LANDFILL		LIQUID CHEMICAL WASTES, ASBESTOS, FLUORESCENT RADIUM DIALS, SANDBLAST WASTE (PAINT SCRAPINGS).			
NAVCOMMSTA STOCKTON CA	FORMER LANDFILL AND BURNING AREA, SITE #1. 15'-18' W x 200' L x 5'-7' DEEP.	GRNDWTR. MAY BE CONTAM'D. COULD MIGRATE VIA GRND- WTR. WITH IMPACT ON FISH AND HUMANS.	AS OF 28 OCT 90 PA (C) SI (C) RF (U) HRS 0.00	NOT OBSERVED/ NOT OBSERVED	MAY HAVE OCCURRED.
LANDFILL		WASTE OILS, PCB'S, TCE, DOT, PAINT RESIDUES (LEAD), COPPER OR MERCURY SALTS, AND CALCIUM HYPOCHLORITE.			

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESNCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN BRUNO)					
NAVSTA TREASURE ISLAND CA	YBI LANDFILL, SITE #11. 100'X 400'	POTENTIAL EXISTS FOR GROUNDWATER CONTAMINATION. UNKNOWN TYPES AND AMOUNTS OF WASTES.	RECOM'D FOR RI/FS, AS OF AUG 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL					
NSY MARE ISLAND CA	LANDFILL (AKA, SITE #1R-1), SITE #1. 100 ACRES	POSSIBILITY OF SURFACE WATER AND WETLAND CONTAMINA- TION VIA MIGRATION, COULD AFFECT: ENDANGERED SPECIES AND FISH.	RECOM'D FOR RI/FS, AS OF JUN 88.	NOT OBSERVED/ NOT OBSERVED	IS POTENTIALLY CONTAMINATED.
LANDFILL					

INSTALLATION NAME	SITE NAME	CONTAMINANT PROBLEM	RI/FS STATUS	PRESENCE/AMOUNT OF LEACHATE	GROUNDWATER CONTAMINATION
WESTDIV (SAN BRUNO)					
WENSTA CONCORD CA	1944 EXPLOSION - RYER ISLAND, SITE #8.	POTENTIAL HUMAN HEALTH THREAT VIA DIRECT CONTACT, AND POTENTIAL FOR SUR- FACE WATER CONTAM- INATION.	WAS UNDERGOING RI, AS OF JUN 88.	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
BURIAL	-				
		ORDNANCE MATERIALS.			
NSY HUNTERS POINT CA	BAY FILL AREA (AKA, SITE 1R-2), SITE #9.	POTENTIAL EXISTS FOR CONTAMINATION OF GROUND AND SURFACE WATERS, WITH SUBSEQUENT THREAT TO MARINE LIFE AND HUMANS.	AS OF 27 OCT 90 PA (C) SI (C) HRS 48.77	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
FILL					
		SANDBLAST GRIT (STEEL, COPPER, AND LEAD GRIT), RUST, LEAD-BASED PAINT SCRAPINGS, COPPER AND OTHER HEAVY METALS, CHEMICALS, WASTE OILS, AND ACID TANK ROOFS.			
NAS MOFFETT FIELD CA	RUNWAY LANDFILL, SITE #1.		AS OF 13 MAR 91 PA (C) SI (U) HRS 32.90	NOT OBSERVED/ NOT OBSERVED	NOT OBSERVED
LANDFILL		INDUSTRIAL LIQUID WASTE, SOLVENTS, AND PAINTS.			

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- 5D Anchors and moorings
- 5E Undersea power systems, electromechanical cables, and connectors
- 5F Pressure vessel facilities
- 5G Physical environment (including site surveying)
- 5H Ocean-based concrete structures
- 5J Hyperbaric chambers
- 5K Undersea cable dynamics

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- NRG Energy
- ENV Environmental/Natural Responses
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