

UNITED STATES MARINE CORPS MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO

MAIN/JIW/mxc 5240

qu (IIB 98)

From: Commanding General

Tu:

Commandant of the Harine Corps (Code LFF)

⇒ub :

Past Hazardous Waste Disposal Sites; report of (Report Symbol DN-6280-

32)

AB L

(a) mCBul 6280 of 11 Dec 1980

(1) Completed Marine Corps Activity Disposal Site Fact Form

1. In accordance with reference (a), requested information for Marine Corps base, Camp Legeune and Marina Corps Air Station (Helicopter), New River North Carolina has been entered on enclosure (1) and is submitted herewith.

2. If additional information is desired, please contact Hr. Dansy Sharpe, Natural Resources and Environmental Affairs Division, Base maintenance Department, (FTS) 676-5003, (commercial) 919-451-2083.

Copy to: Carir, LANTHAVFACENCOM Cmdr, NAVEESA CO, MCAS(H), NR

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AL INFORMATION	ANTINIA MENTER METERAL PROGRAMMA TONOCHA METERALISMAN DAVIA AMERICA
Person compiling this information: Name Danny Sharpe	
Code BMaintDeptelephone 451-5003	<u>-</u>
ity first established?	1941
me activity's mission. To provide housupport for Fleet Marine Force an	
zed training as assigned	
ty's equivalent population.	49,000
ty's location, including:	•
state (e.g., northeastern corner near l Low County, North Carolina, near	Podunk) Borders Atlanti City of Jacksonville
ally rural or urban setting?rural	
ave any of the following operations (che	eck the appropriate
	•
	Name Danny Sharpe Code BMaintDeptelephone 451-5003 ity first established? ne activity's mission. To provide house support for Fleet Marine Force are ized training as assigned. en the activity's mission? If not, described. Yes ity's equivalent population. Ity's equivalent population. Ity's location, including: a state (e.g., northeastern corner near low County, North Carolina, near stally rural or urban setting? rural

waiting disposal. Additional Comments Naval Field Medical Researh Laboratory was operated on from 1947 - 1976. Site is presently used for Insect Vector Shop which is listed as Site #6 in Section III of this reprt			ineCorps Base, Ca	- •
so, please list along with the year discontinued. Repair of used transformers, of 140, Hadnot Point, discontinued in mid 170's still used for storage vaiting disposal. Additional Comments Naval Field Medical Research Laboratory was operated on from 1947 - 1976. Site is presently used for Insect Vector Shop which is		tions? -Please list	Taciral vehicle m	aintenance
Additional Comments Naval Field Medical Research Laboratory was operated on From 1947 - 1976. Site is presently used for Insect Vector Shop which is	so, please list along w	ith the year discontinu	ed. Repair of used	transformers,
rom 1947 - 1976. Site is presently used for Insect Vector Shop which is	_			
from 1947 - 1976. Site is presently used for Insect Vector Shop which is	Nove	Trinia Madina To		
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ACTIVITY_	Marine	Corps			Lejeune
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SECTION II. DISPOSAL OF SPECIAL WASTES

This section of the fact form will ask about waste disposal sites that are or have been operated by the activity. If a disposal site(s) is identified in this section, section III should be filled out.

To complete this section (and section III, if necessary), activity records should be examined and knowledgeable activity personnel should be interviewed. Long-time activity employees will be invaluable in this effort, since they will be familiar with past disposal operations. If deemed necessary to accurately complete this section, preliminary field investigations may also be performed (however, this fact form does not warrant extensive investigations such as soil borings and waste analyses).

1. Have any of the following techniques ever been used to dispose of chemicals or special wastes on base? Do not include trash or garbage (check the appropriate boxes).

	Solvent Pit	П	
	Acid/Caustic Pit	H	
	Slurry (Chemical Mixtures) Pit	H	
	Waste Oil/Oil Sludges Pit	H	
	Evaporating Pit	H	
	Grease Pit	H	
	Surface Spreading	H	
	Open Burning (Examples: Firefighting Training, Ordnance Waste).	×	
	Incinerator	11	
	Land Disposal with State Permit	\mathbf{Z}	
Any ot	her disposal operations?* Please explain	<u>.</u>	
Tot	140 (discussed in Section III) was utilized for storage	and.	repa

Lot 140 (discussed in Section III) was utilized for storage and repair of transformers. Significant quantities of oil were discharged onto

the ground before awareness to PCB hazards developed.

. Operations Present/Past

^{*}Do not include industrial waste treatment/pretreatment facilities that are subject to pretreatment regulations or NPDES permits. Disposal of industrial sludge should be included, however.

Chemicals or special wastes? Pest control shop Have pesticides or pesticide rinseates ever been disposed of anywhere on a regular basis? Firefighting training where on a regular basis? Firefighting training (e.g., solvents) burned? Ordnance operations Were substances other than oil (e.g., solvents) burned? Ordnance operations Were ordnance wastes ever disposed of on base? Storage of chemical Have these materials ever leaked or otherwise escaped confinement? area Section III should be completed for each disposal site identified in question of this section. Section III should also be filled out for any significant disposal site identified in question 2. If the activity has NEVER disposed of chemicals or special wastes on base, completion of section III is not	•	ACTIVITY	Marine Corps Base,	Camp Lejeune	
of chemicals or special wastes (whether intentional or not) may have occurred at the activity. If the activity has ever run on operation listed below, check the box in column 1 (some of these operations may have been noted in section I). If a box in column 1 is checked, go to column 2 and check the box if the answer to the question in column 2 is "yes." Column 1 Column 2 Column 2 Column 2 Column 2 Did this site ever receive chemicals or special wastes? Pest control shop Have pesticides or pesticide rinseates ever been disposed of anywhere on a regular basis? Firefighting training Were substances other than oil (e.g., sclvents) burned? Ordnance operations Were ordnance wastes ever disposed of on base? Storage of chemical Materials or special wastes in a specified confinement? Section III should be completed for each disposal site identified in question 1 of this section. Section III should also be filled out for any significant disposal site identified in question 2. If the activity has hever disposed of chemicals or special wastes on base, completion of section III is not required. (SEE APPENDIX A TO THIS SECTION) Have any accidents involving hazardous materials ever occurred at the activity? If so, briefly describe the incidents. Structural fire destroyed flammable materials storage warehouse (TP4) on 25 Oct 1978. Due to nature of fire a minimum of water was used to fight fire. Structure and contents were destroyed.		•	. UIC	67001	
Refuse disposal site X Did this site ever receive chemicals or special wastes? Pest control shop XX Have pesticides or pesticide rinseates ever been disposed of enywhere on a regular basis? Firefighting training where on a regular basis? Were substances other than oil (e.g., solvents) burned? Ordnance operations XX Were ordnance wastes ever disposed of on base? Storage of chemical wastes in a specified XX Have these meterials ever leaked or otherwise escaped confinement? Section III should be completed for each disposal site identified in question of this section. Section III should also be filled out for any significant disposal site identified in question 2. If the activity has NEVER disposed of chemicals or special wastes on base, completion of section III is not required. (SEE APPENDIX A TO THIS SECTION) Have any accidents involving hazardous materials ever occurred at the activity? If so, briefly describe the incidents. Structural fire destroyed flammable materials storage warehouse (TPA) The proposed of the first of the section of the proposed of the proposed of the section of the proposed of the p	of chemicals or special was at the activity. If the acti the box in column 1 (some of I). If a box in column 1 is	tes (whether ivity has ev f these oper checked, go	intentional or not) may her run an operation listed ations may have been noted to column 2 and check the	ave occurred below, check in section	
Atts ever been disposed of enywhere on a regular basis? Firefighting training using open burning (e.g., solvents) burned? Ordnance operations Were ordnance wastes ever disposed of on base? Storage of chemical leaked or otherwise escaped confinement? Section III should be completed for each disposal site identified in question 1 of this section. Section III should also be filled out for any significant disposal site identified in question 2. If the activity has NEVER disposed of chemicals or special wastes on base, completion of section III is not required. (SEE APPENDIX A TO THIS SECTION) Have any accidents involving hazardous materials ever occurred at the activity? If so, briefly describe the incidents. Structural fire destroyed flammable materials storage warehouse (TP4) on 25 Oct 1978. Due to nature of fire a minimum of water was used to fight fire. Structure and contents were destroyed.	Refuse disposal site	X Di		XX	
Ordnance operations Were ordnance wastes ever disposed of on base? Storage of chemical Have these materials ever leaked or otherwise escaped confinement? Section III should be completed for each disposal site identified in question of this section. Section III should also be filled out for any significant disposal site identified in question of chemicals or special wastes on base, completion of section III is not required. (SEE APPENDIX A TO THIS SECTION) Have any accidents involving hazardous materials ever occurred at the activity? If so, briefly describe the incidents. Structural fire destroyed flammable materials storage warehouse (TP4) on 25 Oct 1978. Due to nature of fire a minimum of water was used to fight fire. Structure and contents were destroyed. Radioactive beta buttons discovered while grading lot at Bldg PT-37	Pest control shop	at at	es ever been disposed of a	rinse- 🔯	
Storage of chemical have these materials ever leaked or otherwise escaped confinement? Section III should be completed for each disposal site identified in question of this section. Section III should also be filled out for any significant disposal site identified in question 2. If the activity has hever disposed of chemicals or special wastes on base, completion of section III is not required. (SEE APPENDIX A TO THIS SECTION) Have any accidents involving hazardous materials ever occurred at the activity? If so, briefly describe the incidents. Structural fire destroyed flammable materials storage warehouse (TP4) on 25 Oct 1978. Due to nature of fire a minimum of water was used to fight fire. Structure and contents were destroyed. Radioactive beta buttons discovered while grading lot at Bldg PT-37	Firefighting training using open burning			11 🔯	
leaked or otherwise escaped confinement? Section III should be completed for each disposal site identified in question 1 of this section. Section III should also be filled out for any significant disposal site identified in question 2. If the activity has NEVER disposed of chemicals or special wastes on base, completion of section III is not required. (SEE APPENDIX A TO THIS SECTION) Have any accidents involving hazardous materials ever occurred at the activity? If so, briefly describe the incidents. Structural fire destroyed flammable materials storage warehouse (TPA) on 25 Oct 1978. Due to nature of fire a minimum of water was used to fight fire. Structure and contents were destroyed.	Ordnance operations			<u>X</u>	=
disposal site identified in question 2. If the activity has NEVER disposed of chemicals or special wastes on base, completion of section III is not required. (SEE APPENDIX A TO THIS SECTION) Have any accidents involving hazardous materials ever occurred at the activity? If so, briefly describe the incidents. Structural fire destroyed flammable materials storage warehouse (TP)4 on 25 Oct 1978. Due to nature of fire a minimum of water was used to fight fire. Structure and contents were destroyed. Radioactive beta buttons discovered while grading lot at Bldg PT-37	Storage of chemical materials or special wastes in a specified area	le.	aked or otherwise escaped	1₹21	
to fight fire. Structure and contents were destroyed. Radioactive beta buttons discovered while grading lot at Bldg PT-37	l of this section. Section disposal site identified in of chemicals or special wast required. (SEE APPENDIX Have any accidents involving	III should question 2. es on base, A TO THIS hazardous	also be filled out for any If the activity has NEVE completion of section III SECTION) materials ever occurred at	significant R disposed is not	•
to fight fire. Structure and contents were destroyed. Radioactive beta buttons discovered while grading lot at Bldg PT-37	Structural fire destroy	ed flamma	ble materials storage	warehouse (T	P45
Radioactive beta buttons discovered while grading lot at Bldg PT-37	on 25 Oct 1978. Due to	nature o	f fire a minimum of wa	ater was used	l
	to fight fire. Structu	re and co	ntents were destroyed		
(See Section III, Site #6)	Radioactive beta button	s discove	red while grading lot	at Bldg PT-3	37
	(See Section III. Site	#6)			

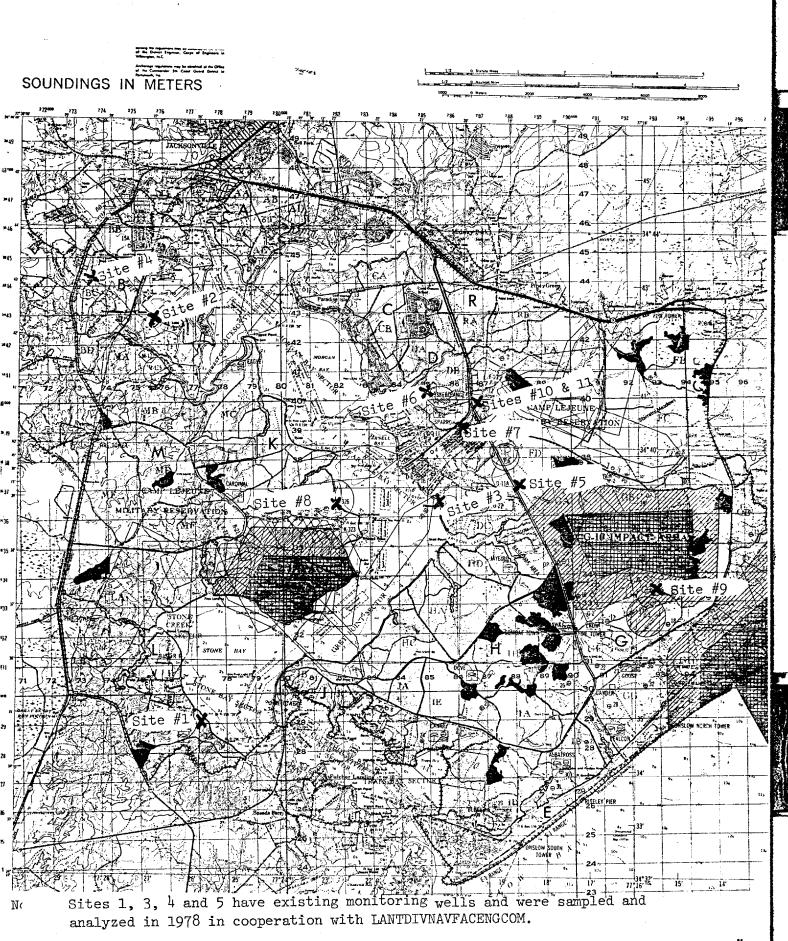
disposal are

Appendix A to ENCLOSURE (1)

	uic <u>67001</u>
nizați nazard	e there any chemical or special waste disposal sites run by organs outside the activity's fenceline which may present a current to on-base personnel? Did the activity ever operate disposal a property which has since been excessed? Please explain.
UNK	OWN/ No evidence of sites on excessed property
	
Doc	rmation based on recollection of knowledgeable mannel. mentation of specific irems disposed was not collected by a specific or
Dis	ribution (Retired), Gene Jones & John Jordon, Public Works
Ноу	Burns, Technician Water Quality Control Laboratory, Percy
Sew	ge Treatment Branch Head, LT Salamanca (Tel-0118) Explosiv
Ord	ance Disposal, MAJ Bourque, 2d Force Service Support Group
), Mrs. Crawford, Plant Account (Tel-3967), R. J. Indrews,
345	
KYKKK	Base Safety Officer, Charles Peterson, Fase
KYKKK	Description Charles Peterson Fase
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KYKKK	Base Safety Officer, Charles Peterson, Fase
KYKKK	Base Safety Officer, Charles Peterson, Fase

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Footnote #1: Records regarding explosive ordnance available at EOD (Tel-0118)



X Sites identified per MC BUL 6280 of 11 Dec 80 "Past Hazardous Waste Disposal . . ."

	ACTIVITY Marine Corps Base, Camp Lejeune	
	uic <u>67001</u>	
	SITE NUMBER 1	
C	TION III. DETAILED DISPOSAL INFORMATION	
	This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner.	
•	Is this disposal site currently in operation or has it been closed? Not active	· .
	Years of operation: From unknown To approximately 1978	
•	What is/was the name of the site (e.g., slurry pit)?	
	Toxic chemical dump, Rifle Range Area	-
•	Where is/was the site located (provide a description and give activity map coordinates)? Approximately 3 miles east south east of the intersection of US	
	Highway 17 and NC Highway 210 at map coordinates 770290. Aboard	
	Marine Corps. Base	
•	Describe how the site is/was operated. Toxic materials were buried in cand covered with soil. As a need arose to dispose of a material,	
	taken to the site, a hole dug and the container of waste or other	toxic
	material was placed in it and covered with dirt.	

•	•	ulc	67001
		SITE NUMBER	-
If the site was closed	, briefly describe the c	losure procedures.	
Not specific		·	
•		•	
		•	
	•		
		-	
	escribe the wastes that	entered the site.	
As well as possible, d	escribe the wastes that e		2
		entered the site.	3.
		entered the site.	2
		entered the site.	2
		entered the site.	2
		entered the site.	3.
		entered the site.	3
		entered the site.	3
		entered the site.	3
		entered the site.	3
		entered the site.	

MCBul 6280 11 Dec 1980

	Motiviti Marine Corps base, Camp bejedne
	. UIC 67001
	SITE NUMBER 1
	Describe the site's hydrogeology, including information on terrain, soils, water table depth, groundwater quality, nearby surface waters, etc.
	The site is located approximately 300 meters southwest of New River
	at an elevation of approximately 25 ft. above sea level. Based on
	soils maps developed by Soil Conservation Service, USDA, soils in the
•	area have the following characteristics. The soil (baymeade) has a
. '	sandy surface layer approximately 2 ft thick. Below this, materials
	sandy surface layer approximately 2 it thick. Below this, materials
	are sandy loams or loamy sands with high permeability. Depth to season
	high water table is 3.5-5 ft. The soil has high corrosivity to concret
	and low for steel.
	Briefly describe animal and plant life surrounding the site, including any peculiarities (e.g., dying plants).
	The site is surrounded by managed forests consisting of loblolly pine
•	and various hardwood trees and shrubs. Much of the site is covered wit
-	pine saplings. There are no apparent effects of the site on surrounding
	vegetation.
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	Do personnel live or work near the site? Please explain. No
	The site is in a relatively remote location and access is restricted
	The site is in a relatively remote location and access is less its
•	
•	to authorized personnel.

	ис 67001
	SITE NUMBER 1
	Have there been any incidents or complaints concerning this site? Explain.
1	None
•	
-	
_	
,	How close is the site to the activity's boundaries?
=	300 meters to shoreline and approximately 1,000 meters to adjoini
1	tract of non-military land
_	
-	Add to Land Lands
•	Additional comments
-	
-	
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	ACTIVITY Marine Co			
	•	vic <u>6</u>	7001	
		SITE NUMBER	2	
ION III. DETAILED DISPOSAL I	NFORMATION	haren Maria (M.) die geninelmiste traditie der sechte, "Ausgebe geginn		
This section should be comp were identified in section each site. As an example, three copies of section III site (1, 2, and 3) and ente	II. Section III shou say your activity has and complete them.	ld be completed for three sites. Mak Assign a number to	or ce	
Is this disposal site current Note: Use of area excep		•		•
prohibited.				
Years of operation: From	1975 r	present		
What is/was the name of the s	•			
Crash crew fire training		·		
Where is/was the site located coordinates)? Marine Corps Air Station				
	•			
•				
Describe how the site is/was	operated. Water con	ntaminated fuel	ls and used	petrole
products have been place	d into a pit and	burned. Preser	nt use restr	ricted
per item (1) above.				
		 		
				* .

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			1	vic 6700	1.
			•	BER 2	
_				Adding to the second	terial Scientiscan
	If th e site was closed, br	iefly describe the	- closure procedure	28.	
	At this time Air Stat		_	***************************************	aminate
-			·		
•	Lels, otherwise ther	e is no planne	change in ope	ration.	
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	•	•	•		
1	terell as possible, descr	ibe the wastes the	it entered the site	· '	•
		 	· · · · · · · · · · · · · · · · · · ·		
	Type of Waste	Quantity	(rigin –	٠.
	Type of Waste	Quantity	9	rigin	
	Type of Waste	Quantity	<u> </u>	rigin	•
	Type of Waste	<u>Quantity</u>	<u>(</u>	rigin	•
The second secon	Type of Waste	Quantity		Origin	•
	Type of Waste	Quantity	<u>.</u>	<u>Origin</u>	•
	Type of Waste	Quantity	•	Origin	•
	Type of Waste	Quantity	<u>.</u>	Origin	
	Type of Waste	Quantity	<u>.</u>	Origin	•
	Type of Waste	Quantity	<u>.</u>	<u>Origin</u>	
	Type of Waste	Quantity	•	Origin	•
	Type of Waste	Quantity	<u>.</u>	<u>Origin</u>	
	Type of Waste	Quantity	•	<u>Origin</u>	
	Type of Waste	Quantity	<u>.</u>	<u>Origin</u>	

ACTIVITY Marine Corps Base, Camp Lejeune	·
uic 67001	_
SITE NUMBER 2	-
	•
Describe the site's hydrogeology, including information on terrain, soils, water table depth, groundwater quality, nearby surface waters, etc.	
The site is located at an elevation of approximately 15 feet above	re:
mean sea level. Although soils in the area have been highly modi	fied
by construction associated with the original construction of airp	port,
the soils were originally baymeade and have same characteristics	as site
number 2. Distance to nearest body of water is approximately 100	meters
to a small tributory of southwest creek. Distance to tidal water mately 200 meters.	rs is approxi
	-
Briefly describe animal and plant life surrounding the site, including any peculiarities (e.g., dying plants).	•
There is no vegetation in the immediate area (100 ft radius), how	vever,
this could easily be relateed to heat and heavy traffic. There	is no
observable effects beyond this distance.	
	- '
Do personnel live or work near the site? Please explain.	•
Yes; personnel work approximately 500 feet away from site which i	s •
adjacent to end of aircraft runway in restricted access area.	•
	•

		•		ACTIVITY	Marine	Corps	Base, Ca	mp Leje	une
		•		•			'nc	6700	1
					·	S	ITE NUMBER		2
,	Have there	•		s or compl		cernin	g this site	? Explain	1.
						•			
•						A			
•	How close	is the sit	e to the	activity'	s boundar	ies?	250 meter	rs to na	vigat
	water.	2,500 me	eters to	neares	t adjace	ent no	on-militar	y land	area.
-			•.		**************************************				
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	Additiona:	l comments							
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	ACTIVITY Marine Corps Base, Camp Lejeune
	uic <u>67001</u>
	SITE NUMBER3
CT	ION III. DETAKE DISPOSAL INFORMATION
	This section: sould be completed only if active or past disposal sites were identified section II. Section III should be completed for each site. Asen example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, ad/3) and enter it in the upper right-hand corner.
:	Is this disposalsite currently in operation or has it been closed?
9	Closed
- 3	Years of operation: From 1946 (approximately) 1971 (approximately)
. 1	Waet is/was thename of the site (e.g., slurry pit)?
F	Hadnot PointBurn Dump
	Where is/was themite located (provide a description and give activity map coordinates)? Wear the mouthof Cogdell's Creek at map coordinates 855364. Betwe
	Hadnot Point Savage Treatment Plant and Cogdell's Creek.
•	
~ *	
	Describe how therefite is/was operated
	This was dump for refuse, trash and other wastes generated througho
· · · t	the industrialarea at Hadnot Point and hearby housing areas. Wast
	were burned and residues covered with dirt.
-	
. 1	

•		orps Base, Camp Lejeun
		uic 67001
•		SITE NUMBER 3
If the site was close A borrow pit was	d, briefly describe the close established near the du	ure procedures. mp and dirt brought in
	ered with dirt. Fill d	
existing state gu	idelines.	•
		•
		<u> </u>
·	describe the wastes that ento	
Type of Waste	Quantity	origin
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		ACTIVITY	Marine	Corps Base	e, Cam	p Lejeun	e
					UIC	57001	
			•	SITE NU	MBER	3	
water table d	site's hydrogeo lepth, groundwat he area are l	er quality,	nearby s	urface water	s, etc.	-	cs.
	site #1. Th						-
	f Cogdell's (······································		
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eculiarities	ibe animal and p (e.g., dying pl area has bee	lants).					
	s of dying v		~~ ~~~ ~				
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o personnel	live or work nea	ar the site	? Please	explain			
The site i	s contiguous	to the H	adnot Po	int indust	rial a	rea and	_ne
						-	
a recreati	onar area roi	Dase Ic.					

					ine Corp				
			-				JIÇ _	6700	1
					•	SITE NU			
			- 						3
,	Have there bee	n any incid	lents or 4	com ak ints	concerni	ng this	site?	Expla	in.
	No.								
	**************************************		·						
							·····		.,
			 						
					·	-		· 	
	***************************************			·		<u> </u>			
	How close is t	he site to	the activ	vi tyš abou		•			•
	Adjacent to			_		rimptol	1 1	1/2	
							LV 44.	$\perp / \subseteq III$	rres
	nearest non								
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				rea.	·			······································	
	nearest non	-military	land a	rea.				······································	
		-military	land a	rea.				······································	
	nearest non	-military	land a	rea.				······································	
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•	WILLIAM Martine Co	rps Base, Camp Leje	une
•	•	uic 67001	
		SITE NUMBERh	
TION III. DETAILED DISPOSAL IN	IFORMATION	The second section of the section of	
This section should be complete were identified in section I each site. As an example, sthree copies of section III site (1, 2, and 3) and enter	 Section III shou ay your activity has and complete them. 	ld be completed for three sites. Make Assign a number to each	
Is this disposal site currentl	y in operation or ha	s it been closed?	
Closed		•	
•			
Years of operation: From 19	46 (approximatel*) 1971 (approxim	atelv)
•			<u> </u>
What is/was the name of the si	te (e.g., slurry pit)?	 .
Camp Geiger Dump			
	 		
Where is/was the site located coordinates)? Immediately east US High	way 17, one mile	south of the inters	ection
Where is/was the site located coordinates)?	way 17, one mile	south of the inters	ection
Where is/was the site located coordinates)? Immediately east US High	way 17, one mile	south of the inters	ection
Where is/was the site located coordinates)? Immediately east US Hight Curtis Road (MCAS(H), NR	way 17, one mile	south of the inters	ection
Where is/was the site located coordinates)? Immediately east US Hight Curtis Road (MCAS(H), NR	way 17, one mile) and US Highway	south of the interse	ection
Where is/was the site located coordinates)? Immediately east US Hight Curtis Road (MCAS(H), NR. 732442	way 17, one mile) and US Highway	south of the interse	ection
Where is/was the site located coordinates)? Immediately east US Hight Curtis Road (MCAS(H), NR. 732442	way 17, one mile) and US Highway	south of the interse	ection
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Where is/was the site located coordinates)? Immediately east US Hight Curtis Road (MCAS(H), NR. 732442	way 17, one mile) and US Highway	south of the interse	ection
Where is/was the site located coordinates)? Immediately east US Hight Curtis Road (MCAS(H), NR. 732442	way 17, one mile) and US Highway	south of the interse	ection

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	•		•		SITE NUMBER	***************************************	
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	As well as possible Type of Waste	, describe	Quantity		the site.	in	•.
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	s located or		· · · · · · · · · · · · · · · · · · ·				-
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		ACTIVITY Marine Corps Base, Camp Lejeune
		ис 67001
-		SITE NUMBER 4
•	. •	s or complaints concerning this site? Explain.
	· Substitution of the state of	
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	How close is the site to the	activity's boundaries? 80 meters
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	Additional comments	
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						SITE	IUMBER _	5	
CTION III.	DETAILED DIS	POSAL INF	ORMATION						
were ideach si three co	ction should entified in s te. As en ex opies of sect , 2, and 3) a	ection II ample, sa ion III a	 Section y your ac nd complete 	n III sl tivity l te them	hould has ti • As:	be con hree si sign a	pleted in tes. Ma	for	
Is this d	isposal site	currently	in opera	tion or	hās :	Lt beer	closedí		•
•		***************************************							
Years of	operation: F	19	72		Tes	Pres	ent		
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Where is/	was the site	located (provide a	descrip	otion	and gi	•	-	•
Where is/coordinate	was the site	located (provide a	descrip	otion Le so	and gi	•	-	•
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Where is/coordinate Located with Ho	was the site : es)? l on Sneads clcomb Blvd	located (Ferry F at map	provide a coad, 1 coording	descrip 1/2 mil ates 88	otion le so 31370	and gi	st of	inter	rsectio
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	•		· .•	SIT	E NUMBER	5
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If the site was clo	sed, brief	ly describ	e the clo	sure pro	cedures.	
Not applicable						
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As well as possible	, describe	the waste	s that en	tered the	e site.	
As well as possible Type of Waste	e, describe	the waste		tered the	e site. Orig	L
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	ACTIVITY Marine Corps Base, Camp Lejeu
	. uic 67001
	SITE NUMBER 5
1	Describe the site's hydrogeology, including information on terrain, soils, water table depth, groundwater quality, nearby surface waters, etc. Soil conditions are same as site #1
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-	Approximately 30 and 100 meters to Cogdells and Cowhead Creek
	respectively. Elevations from 10 to 30 feet.
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	Briefly describe animal and plant life surrounding the site, including any eculiarities (e.g., dying plants). Same as site #1
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- r	Do personnel live or work near the site? Please explain.
_	Only landfill personnel work in the immediate vicinity.
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	•	ACTIVITY	Marine Cor	ps Base, Can	ıp Lejeı
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	•		•	SITE NUMBER	
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Have there	been any inc	idents or compl	lainte concern	ina thia aite a	r
	•	racites or comp.	tarata concern	rug titta stret	Explain
No.					
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How close	is the site to	the activity	s boundaries?		
Approxim	ately 3 mile				
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Additional	comments				
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	ACTIVITY Marine Corps Base, Camp Lejeune, North Carolina
	uic <u>67001</u>
	SITE NUMBER 6
SEC	TION III. DETAILED DISPOSAL INFORMATION
	This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner.
1.	Is this disposal site currently in operation or has it been closed? Yes, currently
	in operation. (Note: Prior to 1976 this operation utilized lot 140
-	which is described under Site #7).
	Years of operation: From 1976 To Present.
2.	What is/was the name of the site (e.g., slurry pit)? Pest Control Shop, Bldg PT 37
	(formerly Naval Field Research Laboratory).
3.	Where is/was the site located (provide a description and give activity map coordinates)? On parachute tower road extension, 1 mile west of Holcomb Blvd. at
	map coordinates 850401.
4.	Describe how the site is/was operated. From 1947 - 1976 this was a Naval .
	Medical Field Research Laboratory. From 1976 to present this facility
. •	has been used for Insect Vector Control Shop. Pesticides and pesticide
	containers are managed in accordance with current regulations.

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		SITE NUMBER		
If the site was clos	ed, briefly describe the clo	sure procedures.		
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s well as possible,	describe the wastes that en	tered the site.	<u>zin</u>	
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approxi	mately 1500	feet El	evation	approximate	ly 20 fe	et.		
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	escribe anima ties (e.g., d			ounding the s	ite, includ	ling any		
None ob	served.							•
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			SITE NUM	BER _ 6	
Have there been any inide		atata			
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on 18 Nov 1980 Sr. 9			•		
arking lot. Prevent					
enter, Camp Lejeune.	NC. recov	ered cont	aminant i	tems and surv	zeye
rea. (See Appendix	A to this	form).			
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		•			
How close is the site to	the activity!		•		
and the second second	•				
3 miles to nearest a		nd area.	500 mete	ers to	
Navigatable waters.	 		.•		
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Additional comments		:	<u></u>		
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Ens Kolist

List of events of 18 NOV80 thru 13 DEC80 concerning Sr 90 Beta buttons.

Finding and leanup procedures.

18 NOV 80: First findings

Marst contact with Port Huenneme, Cal.

Amediatley area roped off 50' x 25'. Personnel cautioned.

Mea visted by LTJG McDonough.

May Research and Development Command notified to find all old tiles from research lab. All old files lost in St. Louis.

mitial problem stated from LTJG McDonough: 7 cases of Radium 226 meflectors buried in the area.

19,20,21 NOV80: Contact with local people who worked the lab while it was in as working status.

1 DEC 80: Message received from Naval Nuclear Power Unit, Port Huenneme, Calf. From Mr Kip Rimm, Message # 012240Z. This announced a technical wisit from RASO.

1 DEC Thrula DEC 80: Continued survailence of area to insure integraty of the sight.

DEC 80: The Rimm arrived and at 0900 initiated investigation on site.

Found area adequatley secured, no health hazard to personel working the adjacent areas.

mea concerned is the north west cornerof Insect Vector Control Center, Marine Corps Base, Camp LeJeune, N.C.

Ordinents: 21degrees North Lat by 41 Degrees west Long.

#30: Preliminary Radiation / Contamination survey made by RASO Rep.

Area roped off: 100! North to South by 25! East to West

moo: RASO Rep briefed workers and supervisors at site on the monificants of the problem and insured them no health hazards misted as long as they stayed out of roped off area.

200: Grid off area in 5' by 5° grids.

Conducted radiation survey using PRM5/S3.

moo: Advised by the foreman that on 18 NOV80, one button had been brown in a southwesterly direction into the woods and one north-sterly into woods by employees prior to knowledge of nature of material. Rep conducted survey of contaminated area using E140N-304 Beta. No loose surface contamination found in gridded area.

Recovered Beta buttons from woods which personel through to woods.

Mattons surveyed for loose surface contamination - none found.

Surveyed incinerator and areas adjacent to gridded area.
 samples taken from incinerator and mailed to Port Huenneme isotopic analysis.

and the same of th

11 DEC 80 Continued.

1600: Released southeren portion of grid for unrestricted use and minimized restricted area to 26' 8" east to west by 16' north to south. in the northeast portion of the compound.

1630: Set up controlled area, following Individuals were allowed entry by RASO Rep:

- 1. MC DONOUGH, James, C., LTJG, MSC, USN 215-66-6127 Industrial Hygiene Officer
- 2. KALISCH, Bert, ENS, MSC, USNR 485-72-8407 Environmental Health Officer
- 3. SAURINI, Joseph, HM1, USN 088-44-5748 Radiation Saftey Officer

Individuals badged by RSO, briefed on radiological control procedures for handling radioactive material, donning and removing Anti C's and conducting whole body self frisking procedures.

1700: Commenced digging in grid #1. Fifteen Beta buttons found in depths from 1 Inch to $1\frac{1}{2}$ feet. Soil samples taken from surface and at $1\frac{1}{2}$ feet and sent to Port Huenneme for isotopic analysis. Radioactive material/storage area set aside on east side of gridded area. Radioactive storage log initiated.

1800: Commenced digging in grid #8 and recovered 25 Beta buttons and remains of 2 dogs at a depth of 2 feet. Soil immediatley adjacent to dog remains found to be contaminated. Two soil samples sent to Port Huenneme for isotopic analysis. Soil adjacent to animal remains placed in radioactive material storage container.

1900: Secured area for the day.

12 DEC 80

0800: Returned to area and commenced digging grid #2. Requested Back hoe and sifter from Base Maintenance.

1000 to 2000: utilized Back hoe and sifter to systematically extricate Beta buttons from gridded area. No further animal remains found.

A total of 499 (Fourhundred ninetynine) Beta buttons recovered. No detectable soil contamination encountered.

Radiation contamination survey conducted on grids one through fifteen, no readings above background noted.

Back hoe and sifter surveyed by RASO Rep and released for unrestricted use. Anti-C's disposed of as Radioactive Waste.

ADDENDUM:

1330: Former research site custodian interviewed by Environmental Health Officer. This revealed the location of incinerator ash dump site. Soil sample taken and sent to Port Huenneme for isotopic analysis. Also revealed no other burial sites exsisted beyond those identified by RASO Rep.

1300: Debriefing held by RASO Rep and attended by:

- 1. MCDONOUGH, James, C., LTJG, MSC, USN, 215-66-6127 Industrial Hygiene Officer
- 2. KALISCH, Bert, ENS,MSC,USNR 485-72-8407 Environmental Health Officer
- 3. SAURINI, Joseph HMI, USN 088-44-5748 Radiation Saftey Officer

RASO Rep made the following recommendations:

- 1. Store radioactive material in enclosed secure area and mark area in accordance with Title 10 CFR part 20.
- 2. Contact Naval Supply Center, Norfolk, Va. for proper packaging and disposition of radioactive material.
- 3. Take soil samples in grids 1 thru 15.
 Three from each grid one from surface, one six inches from surface and one one foot from surface.
 Send samples to Port Huenneme for isotopic analysis ASAP.
- 4. Grids 1 thru 15 retained as restricted area pending results of isotopic analysis from Port Huenneme.
- 5. Area to be released by RSO.
- **6.** RSO take wet rag survey with E140N/DT304 or HP210 probe of work sites inside Bldg inside PT-37 compound.

		UIC	67001
		SITE NUMBER	7
CTION III. OETAIEE DISP	OSAL INFORMATION		
were identifican se each site. Asm exa three copies bisecti	e completed only if action II. Section III: sample, say your activity on III and complete the enter it in the upper	should be completed has three sites. I m. Assign a number	for Make
Is this disposabite of	urrently in operation o	r has it been close	3?
Open.			<u>.</u>
Years of operation Fr	om Pre-1960	To Present.	
What is/was themme of	the site (e.g., slurry	pit)?	
Lot 140, HadnotPoin			
ccordinates)? Located between As	h Street and Sneads	•	No. of the second
extension atomord	TUALES OUT 1714		
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		roa was used so:	a maintanan
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•	ACTIVITY Marine		
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•		SITE NUMBER 7	
			
If the site was closed, h	pricfly describe the clo	sure procedures.	
The site is now used	only for storage of	transformers in	accordance
vith Toxic Substances	S Control Act. Anal	ysis of top 4" of	soil in
October 1980 indicate	ed approximately 1 F	PPM of PCB's.	

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As well as possible, desc	cribe the wastes that en	tered the site.	
s well as possible, described as Type of Waste	Quantity	tered the site.	.]
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		•	site n	UMBER	7	
Describe the site's hydroge water table depth, groundwa	eter quality,	nearby s	surface water	rs, etc.		
e site is located on hi	ghly distu	rbed so	ls in a t	ransiti	ion zone	between
ymeade and Rains-Lynchb	urg soils.	Seasor	al high w	ater ta	bles are)
milar to and possibly s	omewhat sha	allower	than site	#1. 5	Soil text	ures
d other conditions are				•		
om nearest stream and i						•
a level.						
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Briefly describe animal and peculiarities (e.g., dying	plant life s plants).	surroundi	ng the site,	includi	ng any	
No vegetation in immedia	ate area ex	cept we	eds. No	observe	ed effect	S.
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	,		·		· · · · · · · · · · · · · · · · · · ·	
Do personnel live or work n	ear the site	Please	explain.	· · · · · · · · · · · · · · · · · · ·		
Yes. The area is locate						
Vehicular and foot traf						
						
·	· · · · · · · · · · · · · · · · · · ·					

	ACTIVITY				
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•		S	ITE NUMBER	7	
ave there been any incide				-	•
percentage with 50-50	Oppm of EB	's. Analys	is of top	4" of s	oil ir
only 1 or less than 1	ppm of Ba.				
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4 miles to nearest ad	jacent lad	area.			
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III. DETAILED DISPOSAL nis section should be concerc identified in section and site. As an example, area copies of section II to (1, 2, and 3) and enterthis disposal site current crently in Operation	rpleted only n II. Secti n say your a II and compl ter it in th	ly i tion act olet	if on I ctiv ete e up	III : vity the	should has t n. As	past be contract	disponent of the second of the	osal ted i	site for ake	es		
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crently in Operation			itio	on o	r hās	it be	en cl	osed	7			
	n.							•				
												
	1974 (aut)	hor	ri	i zed) ~~-	Dr	ecen	·				

t is/was the name of the	site (e.g.,	., s	slu	urry	pit)?							
326 Range, Explosive	Ordnance	. Di	lis	spos	al.							
rdinates)?												
coordinates 818 365	5.											
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7.4	•							-			······································	
cribe how the site is/was	s operated.	•						•				
cellaneous unexplode	ed ordnanc	ice	e i	is d	etona	ted	or d	esti	coye	d		,
OP-5, Vol. 1, NAVSE	ASYSCOM Ma	lanu	ıua	ıls.								,
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	t is/was the name of the 326 Range. Explosive re is/was the site locaterdinates)?) meters north of Rho coordinates 818 36.	t is/was the name of the site (e.g. 326 Range. Explosive Ordnance re is/was the site located (providerdinates)? O meters north of Rhodes Poir o coordinates 818 365.	t is/was the name of the site (e.g., 326 Range, Explosive Ordnance I re is/was the site located (provide a rdinates)? O meters north of Rhodes Point of coordinates 818 365.	t is/was the name of the site (e.g., slage Range, Explosive Ordnance Discretis/was the site located (provide a drdinates)? O meters north of Rhodes Point Root coordinates 818 365.	t is/was the name of the site (e.g., slurry 326 Range. Explosive Ordnance Dispose is/was the site located (provide a descriptionates)? O meters north of Rhodes Point Road. O coordinates 818 365. Cribe how the site is/was operated.	t is/was the name of the site (e.g., slurry pit)? 326 Range. Explosive Ordnance Disposal. The is/was the site located (provide a description rdinates)? 326 Mange. Explosive Ordnance Disposal. The is/was the site located (provide a description rdinates)? 327 Mange. Explosive Ordnance is detonated.	t is/was the name of the site (e.g., slurry pit)? 326 Range, Explosive Ordnance Disposal. The is/was the site located (provide a description and redinates)? 3 meters north of Rhodes Point Road. (Veronate of coordinates 818 365. 3 cribe how the site is/was operated. 3 ccellaneous unexploded ordnance is detonated	t is/was the name of the site (e.g., slurry pit)? 326 Range. Explosive Ordnance Disposal. The is/was the site located (provide a description and give redinates)? The meters north of Rhodes Point Road. (Verona Located Coordinates 818 365.	Re is/was the site located (provide a description and give actividinates)? O meters north of Rhodes Point Road. (Verona Loop And coordinates 818 365.	t is/was the name of the site (e.g., slurry pit)? 326 Range. Explosive Ordnance Disposal. The is/was the site located (provide a description and give activity redinates)? The meters north of Rhodes Point Road. (Verona Loop Area) The coordinates 818 365. The cribe how the site is/was operated. The scellaneous unexploded ordnance is detonated or destroyed.	t is/was the name of the site (e.g., slurry pit)? 326 Range. Explosive Ordnance Disposal. The is/was the site located (provide a description and give activity map redinates)? 326 Mange. Explosive Ordnance Rosal. 327 The is/was the site located (provide a description and give activity map redinates)? 328 Mange. Explosive Ordnance Nisposal. 329 The is/was operated. 320 Coordinates 818 365. 330 Coordinates 818 365. 340 Coordinates 818 365. 351 Coordinates 818 365. 362 Coordinates 818 365.	26 Range. Explosive Ordnance Disposal. The is/was the site located (provide a description and give activity map redinates)? O meters north of Rhodes Point Road. (Verona Loop Area) at a coordinates 818 365. Cribe how the site is/was operated. Scellaneous unexploded ordnance is detonated or destroyed

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	•	ACTIVITYMarin	e Corps Base,	Camp Lejeune, N
	•	•		UIC 67001
	• • • • • •		SITE NU	MBER 8
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5.	Ifi site was closed, b	riefly describe the	closure procedu	res.
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6. 3	As all as possible, desc	ribe the wastes tha	it entered the si	te.
į				
	The of Waste	Quantity	•	<u>Origin</u>
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			•	UI	c 67001		
	•		-	SIMMISE	R8		
						Activity, Th. Belleman	
Describe vater tab	the site's hyd le depth, grou	irogeology, induster quali	cluding infor	ma rioann erra	nin, soila, ≥tc.	,	
Soils ár	nd soil char	acteristics	essential	ly thesame	as Site	#1.	Eleva
is appro	oximately 10)-15 feet ab	ove sea le	vel. The	site is i	mmedia	tely
adjacent	t to New Riv	er.					
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Briefly de eculiarit	escribe animal cies (e.g., dy:	and plant lifing plants).	e surrounding	the siginc	luding any		
None app	parent. Sit	e is surrou	nded by man	nagedpine	forests	and dra	ains
containi	ing typical	hardwood tr	ees and sh	rubs.	•		. •
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		.1	A.9 32	12.	· 	·	
	nel live or wor						
Site is	in a remote	area with	restricted	access			
			•				

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		•			nc	670	01	
				SITE	NUMBER	8		
	entelle til et landa sente et en entelle e		والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع	- Andreas - Printers and Printers				
Have there bee	en any incide	ents or com	plaints co	ncerning t	his site?	Expla	in.	
No.								•
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			·	······································	-			
								
<u></u>	-		-					
How close is	the site to t	the activit	y's bounda	ries?				
		•						
Annrovimate	ly 6 miles	to noor	act adiai	-i		1	.1	
Approximate								1 •
Approximate Immediately								ì •
			line of r					
		to shore	line of r					
Immediately	adjacent	to shore	line of r	navigatib	le wate	rs		1.
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Immediately	adjacent	to shore	line of r	navigatib	le wate	rs		

	ACTIVITY Marine Corps Base, Camp Lejeune, N
٠	uic <u>67001</u>
	SITE NUMBER 9
T	ION III. DETAILED DISPOSAL INFORMATION
	This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner.
	Is this disposal site currently in operation or has it been closed?
(Currently in operation.
•	
•	Years of operation: From 1974 To Present.
	_
1	What is/was the name of the site (e.g., slurry pit)?
G	G4A Range, Explosive Ordnance Disposal.
	Where is/was the site located (provide a description and give activity map coordinates)? 1/2 mile northwest of Highway 172 (near G5/G5A Ranges) at map
•	coordinates 933 335.
•	
•	
	Describe how the site is/was operated.
,	Miscellaneous unexploded ordnance is detonated or destroyed per
	OP-S Vol.#1, NAVSEASYSCOM Manuals.
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	ACTIVITY Marine Corps Base, Camp Lejeu	
•	UIC 67001	
	SITE NUMBER 9	
75 1		
II the Bite was closed,	briefly describe the closure procedures.	
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	•	•
	•	
•		
As well as possible, de:	scribe the wastes that entered the site.	•
		
Type of Waste	Quantity Origin	
		
		•
		
		•
		

	uic 67001
	The state of the s
	. SITE NUMBER 9
	Describe the site's hydrogeology, including information on terrain, soils, water table depth, groundwater quality, nearby surface waters, etc.
•	The soils at the site are Kureb-Lakeland which are excessively
•	drained. Water tables are below six feet. A small natural wond
•	is located immediately beside site. Approximately 500 mes as to
	perennial stream. Subsoil materials are highly permeable
•	
	•
	•
	•
	•
1	Briefly describe animal and plant life surrounding the site, including any eculiarities (e.g., dying plants).
	Vegetation has been killed and damaged by heat and shrapnel. No
	apparent damage due to pollution.
	•
•	
•	o personnel live or work near the site? Please explain.
•	No - area is restricted.
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	ACITATI	Y Marine Corps	Base, Ca	mp Lejeune
	•		aic .	67001
				9
			POR ST.	
Have there been any in	ncidents or com	plaints concernir	g this site	? Explain.
No.				•

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low close is the site	to the activit	y's boundaries?		
3.5 miles to ne	arest adjoin	ing non-milita	ry land a	cea.
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			······································	•
4444				
dditional comments			 	•
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	• <u> </u>	UIC _ SITE NUMBER _	•	•	•
		JAIL HORDEN		•	
ION III. DETAILED DIS	POSAL INFORMATA				
were identified in s each site. As an ex three copies of sect	be completed my if ac ection II. Serion III ample, say yoursetivity ion III and conlete the nd enter it inshe upper	should be completed y has three sites. Mem. Assign a number	for ake	•	• •
Is this disposal site	currently in peration (or has it been closed	?		
In operation.		•		•	
				•	
Years of operation: F	Farly 1970's	. m. procont			
What is/was the name o	4				
Flammable storage	warehouse, Bldg.	TP-451, and 452.		•	
Where is/was the site coordinates)? Between Piney Gre	located (provide described Road and Holcon			•	
867 398.	•		•	٠.	
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			· .		
Describe how the site					<u> </u>
Flammable supplies	of all types were	e stored in Butler	type Build	ings.	Bldg
TP 452 burned in 1	977. At that time	e the operation mo	ved to TP 4	51.	
TP 451 was vacated	in October and w	ill be upgraded fo	r use for	. •	
hazardous waste st	orage.	· · · · · · · · · · · · · · · · · · ·	•		
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•	ACTIVITY Mari	ne Corps Ba	se, Camp	Le jeune
•	•	_	uic 670	001
	· ·	SITE NUM	MBER 10	
f the site was clo	osed, briefly describe the c	losure procedui	ces.	
•			· -	manager than the state of the s
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	e, describe the wastes that o	-		
Type of Waste	Quantity lammable	-	Origin	•
Type of Waste All types of f and reactive (Quantity lammable	-		•
Type of Waste All types of f and reactive (Quantity lammable	-		
Type of Waste All types of f and reactive (Quantity lammable	-		
Type of Waste All types of f and reactive (Quantity lammable	-		
Type of Waste All types of f and reactive (Quantity lammable	-		
Type of Waste All types of f and reactive (Quantity lammable	-		
Type of Waste All types of f and reactive (Quantity lammable	-		

Soils are Baymeade with characteristics similar to Site #1. The site is located at approximately 30 feet above sea level. Has excellent surface drainage. Approximately 250 meters to Bearhes Creek, a tributary to Wallace Creek. Siefly describe animal and plant life surrounding the site, including any culiarities (e.g., dying plants). Hone Observed. Personnel live or work near the site? Please explain. The Site is located on the fringes of the Hadnot Point industria	site is located at approximately 30 feet above sea level. Ha	as
site is located at approximately 30 feet above sea level. Has excellent surface drainage. Approximately 250 meters to Bearher Creek, a tributary to Wallace Creek. iefly describe animal and plant life surrounding the site, including any culiarities (e.g., dying plants). None Observed. personnel live or work near the site? Please explain. The Site is located on the fringes of the Hadnot Point industria	site is located at approximately 30 feet above sea level. Ha	as
iefly describe animal and plant life surrounding the site, including any culiarities (e.g., dying plants). None Observed. Personnel live or work near the site? Please explain. The Site is located on the fringes of the Hadnot Point industria	· · · · · · · · · · · · · · · · · · ·	
iefly describe animal and plant life surrounding the site, including any culiarities (e.g., dying plants). None Observed. Personnel live or work near the site? Please explain. The Site is located on the fringes of the Hadnot Point industria	· · · · · · · · · · · · · · · · · · ·	chead
None Observed. Forsonnel live or work near the site? Please explain. The Site is located on the fringes of the Hadnot Point industria		
None Observed. Forsonnel live or work near the site? Please explain. The Site is located on the fringes of the Hadnot Point industria		
None Observed. Forsonnel live or work near the site? Please explain. The Site is located on the fringes of the Hadnot Point industria		
None Observed. Forsonnel live or work near the site? Please explain. The Site is located on the fringes of the Hadnot Point industria		
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personnel live or work near the site? Please explain. The Site is located on the fringes of the Hadnot Point industria		
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The Site is located on the fringes of the Hadnot Point industria		 .
The Site is located on the fringes of the Hadnot Point industria		
The Site is located on the fringes of the Hadnot Point industria		
rea. Military personnel are located adjacent to the site and a	The Site is located on the fringes of the Hadnot Point indust	rial
· · · · · · · · · · · · · · · · · · ·	area. Military personnel are located adjacent to the site an	d ar
ctively involved in training on surrounding grounds.	actively involved in training on surrounding grounds.	

	•	ACTIVITY _	Camp Lejeur	os Base, ne N. C.	
		•		JIC	67001
	•		S	ITE NUMBER	10
		dents or complaint.		this site	? Explai
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In this section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner. Its this disposal site currently in operation or has it been closed? Currently in operation. To present. What is/was the name of the site (e.g., slurry pit)? Fire Fighting training Pit (Piney Green Road) There is/was the site located (provide a description and give activity map coordinates)? Retween Piney Green Road and Holcomb Blvd. at map coordinates. 868398 adjacent to site #10.		ACTIVITY Marine Corps Base, Camp Lejeune UIC 67001
This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner. Its this disposal site currently in operation or has it been closed? Currently in operation. Cears of operation: From 1967 To present. The Fighting training Pit (Piney Green Road) There is/was the site located (provide a description and give activity map coordinates)? Retween Piney Green Road and Holcomb Blvd. at map coordinates. 868398 adjacent to site #10. Planmable liquids poured into pit and burned. Did not have oil water separators and other pollution abatement equipment now considered as essential. Operated by Marine Corps Base Fire		
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Describe how the site is/was operated. Flammable liquids poured into pit and burned. Did not have oil water separators and other pollution abatement equipment now considered as essential. Operated by Marine Corps Base Fire		
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Flammable liquids poured into pit and burned. Did not have oil water separators and other pollution abatement equipment now considered as essential. Operated by Marine Corps Base Fire		
water separators and other pollution abatement equipment now considered as essential. Operated by Marine Corps Base Fire	1	Describe how the site is/was operated.
considered as essential. Operated by Marine Corps Base Fire		Flammable liquids poured into pit and burned. Did not have oil
		water separators and other pollution abatement equipment now
		considered as essential. Operated by Marine Corps Base Fire

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-				. UIC	670	01
			SIT	E NUMBER	11	
Iffice site was closed,	bricfly describ	e the c	losure pro	cedures.		
matly being upgrad	ed to includ	e poll	ution ab	atement.	facili	ties.
Mcontinue to opera	te.					
			***************************************	* **** * *****		
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and the state of the			*	·		
iswell as possible, des	cribe the waste	s that	entered th	e site.	• •	
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Tge of Waste	<u>Quantit</u>	<u>y</u>		0 rig	<u>in</u> .	•.
wee of Waste	Quantit	<u>y</u>		Orig	<u>in</u>	•.
wipe of Waste	Quantit	<u>y</u>	•	<u>0:1g</u>	<u>in</u>	•
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we of Waste	Quantit	Y.	•	<u>Orig</u>	in	•
The of Waste	Quantit	Y.		Orig	in	•
we of Waste	Quantit	Y		Orig	<u>in</u>	•

	are representations.	acer quali	ty, nearby	surface wa	iters, etc		
Same as	Site #10						
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eculiari	escribe animalenties (e.g., deg	d plant lif plants).	e surround	ing the si	te, includ	ing any	-
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	•	ACTIVITY	Marine Corps Base,	Camp Lejeur
		•	nc_	67001
			SITE NUMBER	
	•		nts concerning this site?	Explain.
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			-	
•				
How	close is the site to	the activity's	boundaries?	-
3	½ miles .			
			•	
				•
Add	iltional comments			
•				gynganin alligengggyvinnyng y y y A flesskräffeld.
	<u> </u>			and the second second
				angunganganta m _{ag} a sawa — na mahandanga
				
•		•		
•		•	•	•
	• •			•
•	·			

TTHM SURVEILLANCE REPORT FORM

Installation	MCAS - NEW	RIVER	
Date Collected	19 AUG 81	PM	

Source	Sample Number	CHCl ₃	CHCl ₂ Br	CHClBr ₂	CHBr ₃	ттнм
WTP 110	516	SEP	Tum 1	NYERTE	2	
6-520	577	42.5	33.3	40.7	37.9	154
4025	578	, SEPT	Um 11	NERTE	0	
710	579	45,3	31,9	3 <i>8</i> .7	201	116
2800	520	48.6	33.4	41.1	24.6	148
				,		
Reference OBS						
	True					

Date	Received	24 AUG-81	
		7 DEC 81	

Remarks:

WILLIAM C. NEAL, JR.
Chief, Laboratory Services

TTHM SURVEILLANCE REPORT FORM

Installation CAND LEDEUNE - HADIVOT PT.

Date Collected 11 AUG 8 I FM

Source	Sample Number	CHC13	CHCl ₂ Br	CHClBr ₂	CHBr ₃	мнтт
26 26	521	27.8	I MERFESSUE	3, 2	0.1	31+
Nit-1	522	38,2	ON	3.3	0,2	42 +
1202	523	29.3	THIS	2,9	0.1	32 t
65	524	27.7	PEAK	3, 2	0.1	31 +
530	525	32. 2	V	3.4	0.1	36 t
Reference	Reference OBS					
	True					

Date Received_	24 AUG 81	
Date Analyzed_	4 DEC 81	
Remarks:	•	

WILLIAM C. NEAL, JR. Chief, Laboratory Services

TTHM SURVEILLANCE REPORT FORM

Installation CANP LE JEUNE-RIFLE RANGE

Date Collected 20 AUG 81

Source	Sample Number	CHCJ ³	CHCl ₂ Br	CHClBr ₂	CHBr ₃	ттнм
P-Clz WTP	466	7. f	40.1	0,2	40,1	8
A-Clz Wip	467	50.4	27.4	19,6	2,3	100
6	468	489	27.5	20,7	2.5	100
10	469	46.7	26.9	21.6	2.3	98
92	470	48.3	27,2	20,1	2.0	98
Reference	Reference OBS					
	True					

Date Received 24 AUG 81

Date Analyzed 7 DEC8

Remarks:

WILLIAM C. NEAL, JR.

Chief, Laboratory Services

Site Confermation bosses	A = A	Camo	1	challand
	· -		UIC	

SITE	NUMBER	. 25
2115	אשמויוטויו	

SECTION III. DETAILED DISPOSAL INFORMATION



This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner.

Years of operation:	From		To	
What is/was the name		•	•	
Industrial Ar				
Where is/was the site				
coordinates)? .	864389	_	eron and Pr	AE acciated with
	1201			
		.		1164
Describe how the site				
Describe how the site				
Describe how the site				
Describe how the site				
Describe how the site				
Describe how the site				
Describe how the site				
Describe how the site				

MH MH

	ACTIVITY .			
			SITE NUMBER	
			STIE NUMBER	
ION III. DETAILED D	ISPOSAL INFORMATION	(CONTINUED)	مؤذ	
If the site was close	ed, briefly describe	e the closure	procedures	
			· ·	
			·	
and the second s	Maraka da kamada maraka 1990 a da maraka da maraka 19 00 mengangan pengangan pengangan berasa da maraka 1990 men			
			•	
As well as possible,	describe the waste	s that entered	i the site.	
Type of Waste	Quantit	v	Origin	
		4	· · · · · · · · · · · · · · · · · · ·	
	•			
	•	•		•
				•
			2	

		ACTIVITY			
				UIC	· · · · · · · · · · · · · · · · · · ·
		•		SITE NUMBER	
TICH III. CETAILE	D DISPOSAL I	NFORMATION	(CONTINUED)	*	
Describe the site	2's hydrogeol	ogy, inclu	ding informati	on on terrain, s	oils.
water table depth	:, groundwate	r quality,	nearby surfac	e waters, etc.	,
			and you were a		-
	•	•			
-					
	•				
					·
	·				•
					•
Eriefly describe peculiarities (e.			urrounding the	e site, including	g any
	•				
					···
					
Do personnel live	or work near	the site?	Please expla	ain.	
•					
	•		•		

		ACTIVIT	ГҮ		
•			•	UIC	
			<u>.</u> .	SITE NUMBER	
CTION	III. DETAILED I	DISPOSAL INFORMATI	ON (CONTINUED)		
. Hav	e there been any	y incidents or com	plaints concer	rning this site	l Explain
					· nuhramit.
					•
	79.1.				
· · · · · ·					
How	close is the si	te to the activit	y's boundaries	3?	
	•			. :	
		•			
· · · · · · · · · · · · · · · · · · ·			•		
Add:	itional comments	Photo 7/.	21-24	See photo	109.
	Excavation	/Maintenance	e of unde	rground tan	ks (foregr
***************************************		(21) values			-
		water stan			
-		7/22) but n	•		
	on u	raters surfa	cei		
					•
-					
a at Jimeleo-aire					
		10		(Con	tinued)

. •	whater Committee and the house the Ca	mp Le Jane
•		UIC
		SITE NUMBER 18
SECT	ION III. DETAILED DISPOSAL INFORMATION	+ 0
	This section should be completed only if activere identified in section II. Section III seach site. As an example, say your activity three copies of section III and complete the site (1, 2, and 3) and enter it in the upper	should be completed for has three sites. Make
1.	Is this disposal site currently in operation or	r has it been closed?
_	Closed - Located on preparty Andal	Land Birth Committee
	- Min But with College Lyin	
•	Years of operation: From early 1.960's	~ ~ 1972
		· · · · · · · · · · · · · · · · · · ·
2. 1	What is/was the name of the site (e.g., slurry Midway Pack Damp	pit)?
3. 7	Where is/was the site located (provide a descri	lption and give activity map lace dump— used for
_	about 2 yrs	
		•
		1.64
4. I	Describe how the site is/was operatedopen_	Luma
•		awaya
	now on Onslow Comm. Col.	
	·	
	other debris may be buries	I surface
	part of area in ground cover,	
	and understony	
	\cdot	

WA MH (Continued) CF

A

3		AC1171-17			
				uIC	-
%	•	•	SI	TE NUMBER	
CTION III.	DETAILED DISF	POSAL INFORMATION (CONTINUED)	*	
If the si	te was closed,	, briefly describe	the closure pr	ocedures.	
	•				-
•			.*.		
	:		•		
As well a	s possible, de	escribe the wastes	that entered t	he site.	
Type of	Waste	Quantity		Origin	
Type of Ashaston Asphal	siding.				
Asphal	<i>*</i>				
		•	•		
				•	
	•		•		
					•
	No.				

					•			UIC	~
8; 1,				•		· · · · · · · · · · · · · · · · · · ·	SITE N	UMBER	
SECT	TICH III. E	ETAILED	DISPOSA	L INFORMA	TION (CONTINUED) **		
7.	Describe th water table	e site's depth,	s hydrog groundu	eology, i ater qual	ity, n	ag informerby sur	ation on face wate	terrain, rs, etc.	soils,
					•		•		
				· .					· · · · · · · · · · · · · · · · · · ·
			-, , , , , - , , , , , , , , , , , ,	•				•	
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								•	
			7 se						
• . •									
			·						
•								•	
							······································		
2.	Ericfly desc peculiarition	cribe an es (e.g.	imal and	i plant 1: plants).	fe sur	rounding	the site	, includ:	ing any
-		`			·~-				
		•	• •						•
_									
_	· .					•			~
	Do personne	l live o	r work i	near the	site?	Please e	xplain.		
٠. ـــ	_								
					· .	·			

•	ACTIVITY	
		UIC
		SITE NUMBER
60.52 		
JECT	FION III. DETAILED DISPOSAL INFORMATION	(CONTINUED)
10.	Have there been any incidents or compl	aints concerning this site? Explain.
	79.1	
	•	
11.	How close is the site to the activity'	s boundaries?
•		•
12.	Additional coments Photo a	6/24-27
	• • •	
		surface, minor evidence of
		of area had been grated d
	was a picnic area wit	h maintained grass field
•		

(seemy love it of my	Rodand		1 the garage	ly timber	a proceedings
proate delana o casa	. A start	FITATIL -	Camp	LeJane	
and the second second		•	1.1	UIC	

SITE NUMBER	. 27

SECTION III. DETAILED DISPOSAL INFORMATION

will consider and become



This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner.

Years of operation: From	To
What is/was the name of the site (e.g., slurry)	pit)?
Naval Research Lab Dump (Now -	Ineet Vector Control)
where is/was the site located (provide a description of 848402	
•	
	1.62
Describe how the site is/was operated	of 100+ does used i
esperiments being buried here quite a	
n nietabolic studies using radioactive Substan	ces Levels very low,
old borrow put in sandy soil	
large (= 5,000 gal) tank and	eras metal.
y turner and	

MH (Continued)

				uic	
**************************************	•	: 		SITE NUMBER	
ION III. D	ETAILED DISPOS	SAL INFORMATION	(CONTINUED)		
If the site	was closed, b	oriefly describ	e the closure	procedures.	
•					
	•				•
					-
As well as	possible, desc	cribe the waste	s that entere	ed the site.	
		cribe the waste			-in
As well as		cribe the waste Quantit		ed the site. Orig	in
					in

	water t		pth, gr	coundwat	er quali	ty, neart	y surfa	ace wa	ters, et	c. -	_,
	ave	ALC MOC		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	y su			<u>. </u>	·		
		 , , 	·							 	~~~
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•	·						"		•		
											
					•			·			<u>-</u>
								·			
•		· ·					·		•		
										·	
	Briefly peculiar	describ	e anim	al and p	plant lif	e surrou	nding t	he sit	te, inclu	iding a	пy
r	7 T L W C &	· Eilaya (8.,	aling b	ranto).						
	· 	**			Andrew St. Administrative St. Paragraphy and the second state of t						
	·										
-				· · · · · · · · · · · · · · · · · · ·	•		•	.			
_				•						•	

			ACT	IVITY _			 		· · · · · · · · · · · · · · · · · · ·
•				•				UIC	
	· · · · · · · · · · · · · · · · · · ·						SITE NU	MBER	
CTION	TIT DETA	AILED DISPOS	AL INFO	MATION	(CONTINI	neu)	indigence _{de} : Alfano Vind		
. Hav	ve there be	een any inci	dents of	Compite	ints cor	ncerni	ig this	site?	Explain.
			·			-;-	·		•
. •							·	~~~	
									
									
	79.12					·			
. How	close is	the site to	the act	ivity's	boundar	ries?	· · · · · · · · · · · · · · · · · · ·		
				W					
		•							
				•				·	•
									
	iitional co	ments	Photo	7/	14 - 16				
• 1100	•	arrett observ					u diz)	1
******									•
-		e large			•				
		of road,							to th
	west	of the	road	loop.	(See	napl,		•	
. '						·			
	######################################		•			-	· · · · · · · · · · · · · · · · · · ·		
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-			· · · · · · · · · · · · · · · · · · ·						
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WELLATIL	CleJ	

UIC	

SITE NUMBER _ 75

SECTION III. DETAILED DISPOSAL INFORMATION



This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner.

Tile confusion Dang have been a laterally described in the section

Years	of operation: Fro	m /943.(?)	15 yrs 20 Feb 19	58 (or late 19%
	s/was the name of			
Nu	rsery - Day Care	Center (Bld	g 71Z)	
Where	is/was the site lo	cated (provide a	description and g	ive activity map
R	rewith Blood,	between Holam	f adrailso	ad tracks
	•			
				1164
Descri	be how the site is,	/was operated.	old pesticial	a storage and
m	ifing area in	with office	space and	equipment was
ces	ment slat	Let 12 - sertico	jole mixing orre	a between fullow
712	and sailroad	tracks know	at least sartial	& paved over)
M	1. West Sadiston	(3 home 346	-4184) willer	, to cooperate.
	re too work in	- / " "		

	ACITATIT	
•		uic
	•	SITE NUMBER
CTION III. DETA	ILED DISPOSAL INFORMATION (CONTINUED)
		the closure procedures.
5. 22	· · ·	
•		

Following information from M. Neil Sadiston by telephone 6/16/82

6. As well as possible, describe the wastes that entered the site.

Type of Waste	Quantity per year	Origin
Sindane	0 gal of 1% material/yr.</td <td></td>	
Chlordane	100gal 9 40%. Powder / 7 8.	
Mikex	Stored to but	
2,4,0	1000 gal . Igal Conc to 100 Jac H20	
Silvex 2,4,5-TR	not used but Stoked	•
Tag	750-1000 gal per day of 5-15% material	
Dursban	not used.	
Malathion	100 gal per yr.	
2,4,5 T	50 gal per year for	
Boygon	unknown quantities considered to be low	
Diazinon	25 gal / mouth	
Dieldein	< 100 ebs / yr.	•

	ACTIVITY	
		UIC
		SITE NUMBER
ECT	TICH III. CETAILED DISPOSAL INFORMATION (COM	YTINUED)
,	Describe the site's hydrogeology, including water table depth, groundwater quality, near	information on terrain, soils, by surface waters, etc.
•		্ত্ৰ
-		
•		
-		
•		
,		·
, <u> </u>	Eriefly describe animal and plant life surroupeculiarities (e.g., dying plants).	
		4
-	· · · · · · · · · · · · · · · · · · ·	
		•
– و	Do personnel live or work near the site? Pla	ease explain.

ACTIVITY
UIC
SITE NUMBER
ION III. DETAILED DISPOSAL INFORMATION (CONTINUED)
Have there been any incidents or complaints concerning this site? Explain.
74.1
How close is the site to the activity's boundaries?
Additional comments activities at this site were moved
to Blog 1105 (Site #) in late 1957 or early 1958, the following pesticiden and herbicides were identified to be at Blog 1105 and at one time or another: Diganon,
Chlordane Dust, Lindane, DDT dust, Malathion (46% soln) Mirex, 24-D, Silver, Dalpon, Derthan, (Dicxin ma
have been present as a harbicide contaminant)

y	Note: 5te confishes en dres l'es astrong charge de la
	ALIIVIII Camp Latine
•	UIC
	SITE NUMBER
SEC	TION III. DETAILED DISPOSAL INFORMATION
	This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner.
l.	Is this disposal site currently in operation or has it been closed?
•. • • •	Years of operation: From 1958 - 1960 To 1972
2.	What is/was the name of the site (e.g., slurry pit)? Montford Point Burn Dump Site A
.	Where is/was the site located (provide a description and give activity map coordinates)? A 795450
,	
	•
• .	Describe how the site is/was operated. burn dump for debrin,
	garbage and some oil of from Montford Point Orea
	- open damp: me municipal type waste
-	wooded area down to river
	Friable asbestos

3.

WA MH (Continued)

recyclable Is tires and wheels

*		ACITATILL			
				uic	
		•	SIT	E NUMBER	
A		DSAL INFORMATION		*	
If the site	was closed,	briefly describ	oe the closure pro	ocedures.	
					·
				_	
	<u> </u>	•	·		i Parantala
	• 1	·			
As well as	possible, des	scribe the waste	es that entered th	ne site.	
		scribe the waste Quantit		ne site. Origin	
As well as					

				UIC
왕 		•		SITE NUMBER
CTICH III	. CETAILED DISPOS	SAL INFORMATIO	N (CONTINUED)	Ž.
Describ	e the site's hydro able depth, ground	ogeology, incl ivater quality	uding informa , nearby surf	tion on terrain, soils, ace waters, etc.
<u> </u>	roughuster of	las town	ands North	Past Cn.
	montrolled .	dumpin.	in an	a. Maybe should
raco		_	d patrols	0
				•
	rifle range	people un	e dry de	eaning solvent
A	end fore de	aner for	i weapon	eaning solvent
			/	- Cargary
			•	
· .		· · · · · · · · · · · · · · · · · · ·		
		•		
Eriefly peculiar	describe animal ar	nd plant life	surrounding (he site, including any
Eriefly peculiar	describe animal ar ities (e.g., dying	nd plant life g plants).	surrounding (he site, including any
Eriefly peculiar	describe animal ar ities (e.g., dying	nd plant life g plants).	surrounding (he site, including any
Briefly peculiar	describe animal ar	nd plant life g plants).	surrounding (he site, including any
Eriefly peculiar	describe animal and ities (e.g., dying	nd plant life g plants).	surrounding (he site, including any
Briefly peculiar	cescribe animal ar ities (e.g., dying	nd plant life g plants).	surrounding (he site, including any
peculiar	ities (e.g., dying	g plants).		
peculiar	describe animal and ities (e.g., dying	g plants).		
peculiar	ities (e.g., dying	g plants).		
peculiar	ities (e.g., dying	g plants).		
peculiar	ities (e.g., dying	g plants).		

			ACTIVITY			
•		•			UIC	
	*			•	SITE NUMBER	
	À.					
ECT:	ION III. DET	AILED DISPO	SAL INFORMATION	(CONTINUED)	*	
0.	Have there b	een any inc	idents or compla	ints concern	ing this site?	Explain.
•						•
	79.1			**************************************		
		•		· · · · · · · · · · · · · · · · · · ·		
1.	How close is	the site to	the activity's	boundaries?	·	
		•				
. •	•		•			•
			•			
•	111144		photo 7/3-			
2.	-		•			
	Current	trash site	with asbest	os steam pip	e Insulation fo	ound (recen
	Area	still 0	ipen with	invading	vegetation	only
·	aro	und. edge.	s due to	semi-act	ive site,	
. •				•		•
			<u> </u>			

Note: Confidence to broad the transfer story ; profession to 12.4

	ALIIVIIY CLEJ	
•	UIC	
	SITE NUMBER 12	
SEC	CTION III. DETAILED DISPOSAL INFORMATION	6
	This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner.	
1.	Is this disposal site currently in operation or has it been closed?	
• •		
٠	Years of operation: From To	
2.	What is/was the name of the site (e.g., slurry pit)? Storage Lots 201 + 203	
3.	Where is/was the site located (provide a description and give activity map coordinates)?	
	1.64	
4.	Describe how the site is/was operated. Storage Sete for 10% DD	T
-	-· <u>·</u>	
	Photos CRF-3 #27-23 (acrial)	<u> </u>
	lot 203 used to be a slump in 1940's - metal,	}
	leaky containers and rubbel	
	original lot for R+D - bare earth	
	Transformer storage	
	lot 203 - 1940's to 1965 then from 1975	NECF
	Lot 20 - in 1965 to 1975 (Continued)	

	ACITY	1-1 7		
			uic	
			SITE NUMBER	
TION III. DETAIL	ED DISPOSAL INFORMA	TION (CONTINUED)		
If the site was	closed, briefly des	cribe the closure	procedures.	-
				
•				
			•	
		· ·		
As well as possi	ible, describe the w	astes that entered		
			d the site.	
As well as possi		astes that entered		- (.,
			d the site.	
			d the site.	•
			d the site.	· .
			d the site.	•
			d the site.	
			d the site.	•
			d the site.	
			d the site.	
			d the site.	
			d the site.	
			d the site.	

ACTIVITY _	
	UIC
	SITE NUMBER
ECTION III. CETAILED DISPOSAL INFORMATION	(CONTINUED)
. Describe the site's hydrogeology, includ water table depth, groundwater quality,	nearby surface waters, etc.
Lots 201 and 203 are.	large growally flat and
generally sandy.	
	•
	•
Eriefly describe animal and plant life su peculiarities (e.g., dying plants).	errounding the site, including any
Do personnel live or work near the site?	Plance evaluin
Do personnel live or work near the site?	riease explain.

	ACTIVITY
	UIC
	SITE NUMBER
SECT	ION III. DETAILED DISPOSAL INFORMATION (CONTINUED)
10.	Have there been any incidents or complaints concerning this site? Explain.
	*9.1.
11.	How close is the site to the activity's boundaries?
12.	Additional comments Photo 6/10-14 (Lot 201) 6/15-18 (Lot:
	Lots graded, Forest in photo 6/16 ~ 12-15 years old.
	Barrel in photo 6/12 was unlabeled, Sketch of 10.45 see back,
,	or 10.73 see out.
	·
	•

W Adams 17MA. 2 KMR 32 · Inset Vector (Forma Naval Roch Lab) Sitolo - nediation continuination Cheta fouttono) · Lot 140 (SITE 7) 17MAR82 - Transforme storage and maint. - Posticiole storage and prop. ch the past, NoW. could large less. - PCB Apilla - BARE EARTH, SANDY - GEN. FLAT. · SITES 10871 - Flet, sandy. Base exactle one most or and - Area of uto y page · SITE 20 Piney Green Road - Sandy road. · Soil to distribut by formaling to keep - Waste oil disposal for dust control lot gradest. - No oil ovident. · STE 19 - CREOSOTE PLANT · STTE 12 LOTS 201 \$ 203 DPDO i and sol by standing weter - Storage of madinos & motival - Transformers (now). · CHECK AERTALS FOR LOCATION. - Barrels stored on amente part (subsemsed). - Sand and gravel over surface.

	WELTATIL -	CLe J	·
,	•		UIC
		SITE N	JMBER) /
ION III. DETAILED DISPOS	SAL INFORMATION	. 	3
This section should be were identified in sect each site. As an examp three copies of section site (1, 2, and 3) and	cion II. Section I ble, say your active III and complete	II should be comp ity has three sit them. Assign a r	leted for tes. Make
Is this disposal site cur	rently in operatio	n or has it been	closed?
	1907	To William	v.
Years of operation: From			
Years of operation: From		,	
What is/was the name of t	the site (e.g., slu	rry pit)?	
What is/was the name of t	the site (e.g., slu	rry pit)?	
What is/was the name of the Fire Fight: Where is/was the site loc	the site (e.g., slu	T Piner Gr	een Rd
What is/was the name of t	the site (e.g., slu	T Piner Gr	een Rd
What is/was the name of the Fire Fight: Where is/was the site loc	the site (e.g., slu	T Piner Gr	een Rd
What is/was the name of the Fire Fight: Where is/was the site loc	the site (e.g., slu	T Piner Gr	een Rd
What is/was the name of the Fire Fight: Where is/was the site loc	the site (e.g., slu	T Piner Gr	een Rd
What is/was the name of the fire Fight: Where is/was the site loc coordinates)?	the site (e.g., slung for the site of the	T Piner Gr	reactivity map
What is/was the name of the Fire Fight: Where is/was the site loc	the site (e.g., slung for the site of the	T Piner Gr	reactivity map
What is/was the name of the fire Fight: Where is/was the site loc coordinates)? Describe how the site is/	was operated. Bare earth	rry pit)? There Goest G	e activity map
What is/was the name of the Fight. Where is/was the site loc coordinates)? Describe how the site is/	was operated. Bare earth	rry pit)? There Goest G	e activity map
What is/was the name of the fire Fight: Where is/was the site loc coordinates)? Describe how the site is/	was operated. Bare earth	rry pit)? There Goest G	e activity map
What is/was the name of the fire Fight: Where is/was the site loc coordinates)? Describe how the site is/	was operated. Bare earth	rry pit)? There Goest G	e activity map

Note: There will are not an error of the opening and really and really and the second of the opening and the o

(Continued)

		ACITY III			
				uic	
	•		SITE N	UMBER	
CTION III. DETAI	LED DISPOSAL IN	FORMATION (CONT	INUED)	**************************************	
If the site was	closed, brief]	ly describe the	closure proced	ures.	
<u> </u>					
					
				•	
				· · · · · · · · · · · · · · · · · · ·	
			. •		
			•		
As well as poss	ible, describe	the wastes that	•	ite.	
			•	· · · · · · · · · · · · · · · · · · ·	
As well as poss		the wastes that	•	ite. Origin	
			•	· · · · · · · · · · · · · · · · · · ·	
			•	· · · · · · · · · · · · · · · · · · ·	
			•	· · · · · · · · · · · · · · · · · · ·	
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	ACTIVITY
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	SITE NUMBER
ECT	ICH III. DETAILED DISPOSAL INFORMATION (CONTINUED)
•	Describe the site's hydrogeology, including information on terrain, soils, water table depth, groundwater quality, nearby surface waters, etc.
	Best reason for monitoring is nature of fire-
	fighting training pit at chary Point. Was this
	one as tood previously?
	Soil type 415A1, 37/B1 - Sandy Soil conducione to
:	migration.
-	
	`
	Sriefly describe animal and plant life surrounding the site, including any peculiarities (e.g., dying plants).
-	· · · · · · · · · · · · · · · · · · ·
-	
_	
_	
Ξ	o personnel live or work near the site? Please explain.
_	
_	· · · · · · · · · · · · · · · · · · ·
	• •

· * ·	ACTIVITY
•	UIC
*	SITE NUMBER
SECTION II	I. DETAILED DISPOSAL INFORMATION (CONTINUED)
10. Have	there been any incidents or complaints concerning this site? Explain.
	*9·1 ·
11. How c	lose is the site to the activity's boundaries?
-	•
12. Addit	ional comments Photo Biocy 6/4-5
	Pits care brand new and area graded, No
	evidence of former fuel oil etc. on surface of
	ground. Former fuel supply tank in background of
	photos.
Chief	Padgetl - Pit was wilined. Water was on bottom fuel on top.
Used	JP-4 on JP5. * Assume that a liner was put in after 1965.
-	<u> </u>

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•	UIC
SECT	TION III. DETAILED DISPOSAL INFORMATION 28
	This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner.
1.	Is this disposal site currently in operation or has it been closed?
•	
	Years of operation: FromTo
2.	What is/was the name of the site (e.g., slurry pit)? Flammable Storage Warehouse Building TP451 +TP452
3.	Where is/was the site located (provide a description and give activity map coordinates)?
4.	Describe how the site is/was operated. TP452 burned: TP451 current
 -,	hazardous weste storage facility
	flat, sandy, Bare earth
•	

WA OF (Continued)

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	·		SITE NUMBER	
ECTد	ION III. DETAILED DISPOS	AL INFORMATION (CONTIN	UED)	
5.	If the site was closed, b	riefly describe the cl	osure procedures.	
•				
			· · · · · · · · · · · · · · · · · · ·	
			· .	
•			•	
6.	As well as possible, desc	ribe the wastes that e	entered the site.	
	Type of Waste	Quantity	Origin	
				•
-		·		
			•	•

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		UIC
	- * <u>.</u>	SITE NUMBER
CTICH III. BETAILED DI	SPOSAL INFORMATION	ON (CONTINUED)
Describe the site's h water table depth, gr	ydrogeology, inc oundwater qualit	luding information on terrain, soils y, nearby surface waters, etc.
Bost reason	for monito	ring is the use of the
Muldings for	storage of a	agardons wester.
		
	·	
Briefly describe anima peculiarities (e.g., o		surrounding the site, including any
· · · · · · · · · · · · · · · · · · ·		
·		
Do personnel live or s	work near the sit	te? Please explain.
	• •	
		

•	ACTIVITY
•	UIC
	SITE NUMBER
ECT	ION III. DETAILED DISPOSAL INFORMATION (CONTINUED)
0.	Have there been any incidents or complaints concerning this site? Explain.
	*9.1.
11.	How close is the site to the activity's boundaries?
	·
12.	Additional comments Photo 6/6-9
	white containers in photo 9 contain sulfuric
	acid (to fill batteries?).
-	

	•	N
3	11 1	#
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SITE NUMBER ___ 55

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SECTION III. DETAILED DISPOSAL INFORMATION

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This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner.

Is this disposal site currently in operatio	n or has it been closed?
	· ·
·	
constructed	
Years of operation: From profashy port-1950 but pr	ve 1956 TO fresent
What is/was the name of the site (e.g., slu	· · · · · · · · · · · · · · · · · · ·
Campbell St Underground Augas	
Where is/was the site located (provide a de	
	scription and give activity map
at 757444 75444	•
<u>-</u>	
•	
	· 1. bed
Describe how the site is/was operated. Una	desground leaks , ground .
vicinity saturated with avga	s collection sur
vicinity saturated with avga now installed for collection and	I removal at simp
4 0	
- operational in V1962	
- 120 + 100	
present fuel farm	
Lenced storage lot.	*.
- present fuel form Senced storage lot reported of andergrad AVGA	5 tanks.
	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1

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	•	SITE NUMBER	
ION III. DETAILED DISP	POSAL INFORMATION (CONTINUE	ED)	
If the site was closed,	briefly describe the clos	sure procedures.	
		-	

As well as possible, de	scribe the wastes that end	ered the site.	
As well as possible, de	scribe the wastes that end		
		Lered the site.	
		Lered the site.	•
		Lered the site.	•
		Lered the site.	•
	Quantity	Lered the site.	•
	Quantity	Lered the site.	
	Quantity	Lered the site.	•

	ACTIVITY _	
		UIC
		SITE NUMBER
CTICH	III. CETAILED DISPOSAL INFORMATION	(CONTINUED)
Desc wate	eribe the site's hydrogeology, includer table depth, groundwater quality,	nearby surface waters, etc.
- si	Poss site Val. Hyd., etc. Well 4140 (non-potable) is to.	•
	Recommendations.	
	1. Sample Well 4140 .	for analysis for freel.
cer	npounds.	7 7 7 7 7
	2. Take soil samples fro	m 3 locations within
ta	a suspected fuel saturated	·
	e coras from land sunf	
	etain soil	
in	ntervals.	
Brie pecul	fly describe animal and plant life su liarities (e.g., dying plants).	errounding the site, including any
		, d
	• • • • • • • • • • • • • • • • • • • •	
		·
Do po	rsonnel live or work near the site?	Please explain.

	ACTIVITY	
-		uic
•		SITE NUMBER
.CT	ION III. DETAILED DISPOSAL INFORMATION (CONTINUED)
10.	Have there been any incidents or complai	·
		•
	79.1	
11.	How close is the site to the activity's	
***		boundaries!
	• .	
	•	
10		
12.	,	15 Currently fenced lot.
		erved on surface of water
		n site of lot, some evidence
 -	•	inity of parked trucks on let
	(see photos)	

Camp Leiger Trailer Park Dump taker from 1964 derial AOR-3FI-49 3/6 × 18 = 0.105 ag in $4 \times 2 = 0.125$ $5/6 \times 4 = 0.078$ 1400 603680 778 ag 800 750

> Camp Beiger Trailer Parke Dimensions taken from 1964 acrial photo AOR-3EE-49 21/3/64



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•		Ļ	JIC	
		SITE NUME	BER	<i>'</i>
SECT	TION III. DETAILED DISPOSAL INFORMATION	. =	3)41
	This section should be completed only if active were identified in section II. Section III shou each site. As an example, say your activity has three copies of section III and complete them. site (1, 2, and 3) and enter it in the upper right	ld be comple three sites Assign a num	eted for Make Wher to each	
1.	Is this disposal site currently in operation or has Closed. Have Wells been sited near dump-Ground		•	
- -	700 ~ 1953/4 Years of operation: From ~ 1946 (8/9) To	-197 <u>7</u>	(2)	1 1970
	What is/was the name of the site (e.g., slurry pit) Camp Ceiger Dump (Trailer Park)	?		
-	Where is/was the site located (provide a description coordinates)? Sumediately east 9 US 17, 1 mile so of Curtis Road + US 17 Coord 732442			P
_			1.64	
	Describe how the site is/was operated. Mixed the Municipal Type solid Waste - furn mound (like # 34) was found - sow asphault, concrete a fulling m	surface o etal slep	hiporal	
-	Sitewas operated as a "burn dump" - san	itary lar	refill.	
-	were deposited and burned. After	the fire	was	/ 1 4
	extinguished a bulldown utoused to a and non combustables.	cover the	M (Continued)	HCF

(Continued)

ACTIVITY	
uIC	
SITE NUMBER	
SECTION III. DETAILED DISPOSAL INFORMATION (CONTINUED) 5. If the site was closed, briefly describe the closure procedures.	
Generally flat - mature pines - POL Drum - Pallet 5-gal son can lafeled paint thinner evidence of burning Wrong area were at end of Robert L. W: Ison Bivo	£

6. As well as possible, describe the wastes that entered the site.

Type of Waste	Quantity	<u>Origin</u>
Solid Wastes		MCA5
Solid Waste		· Geige Area
UX0		
Pos- } Salvents }	>100gala May have been many 55gal drums.	MCAS
old batteries	unknown	MCAS

forested area instead of at colend of dirt road at end of Hawkins Blude in cleaned area.

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		UIC
		SITE NUMBER
	57.11.50 DISCOOL THEORY	
U:10N ili. E	ETAILED DISPOSAL INFORMAT	ION (CONTINUED)
Describe the vater table	e site's hydrogeology, indepth, groundwater quali	cluding information on terrain, soils, ty, nearby surface waters, etc.
Ta	2 movement of que	is probably controled by
Southus	nt Crito the S:	
		
	·	
		,
	·	
	ribe animal and plant lifes (e.g., dying plants).	e surrounding the site, including any
y-countrice.	'\ '\	
		
	•	
Do personnal	live or work near the ci	te? Please explain.
Do Mergoliner	. IIVE OF WOLK HEAT CHE SI	cet flease explain.

•	ACTIVITY
	UIC
	SITE NUMBER
SECT	ION III. DETAILED DISPOSAL INFORMATION (CONTINUED)
10.	Have there been any incidents or complaints concerning this site? Explain.
	*q., .
11.	How close is the site to the activity's boundaries?
12.	Additional coments from EPA hos waste Sheet : Site was open dump for refuse; trash + other wastes generated from MCAS, New Ru + MCCL west of New River.
	CRF-1#5 20-21 from ground CRF-3#5 1-8 from air
	mound apparent in acrial photos
	Photos 9/9-10 were taken at end of Robert L. milson Blue
	in forested area & not at site 4 area. Items dumped
	within last ~5 years and appear to be construction debris.
	10 (Continued)

A-23

MCBul 6280 11 Dec 1980

The site is located on a ridge between Tank Reek and another small unnamed tributary to Southwest Creek. Soils are baymeade with proposition to site #1. Approximately 75 metersto adjacent streams, Elevation approximately 15-20 feet. Triefly describe animal and plant life surrounding the ste, including any sculiarities (e.g., dying plants). The site is located approximately 200 meters from the nearest			•	•	UIC	67001	
The site is located on a ridge between Tank Greek and another small unnamed tributary to Southwest Creek. Soils are baymeade with proposition of the site #1. Approximately 75 meters to adjacent streams. Elevation approximately 15-20 feet. Priefly describe animal and plant life surrounding the ste, including any equivarities (e.g., dying plants). Amme as site #1. Presonnel live or work near the site? Please explain yes The site is located approximately 200 meters from the nearest residence which is located on non-military preerty. There are		• .		SIE NU	MBER _	- 14	_
unnamed tributary to Southwest Creek. Soilszre baymeade with proposition approximately 15-20 feet. Elevation approximately 15-20 feet. riefly describe animal and plant life surrounding the site, including any equiliarities (e.g., dying plants). Same as site #1\ o personnel live or work near the site? Please explain_yes The site is located approximately 200 meters from the nearest residence which is located on non-military property. There are			_		~~~		
The site is located on a ridge between Tank (Neek and another small unnamed tributary to Southwest Creek. Soils are baymeade with proposition of personnel live or work near the site? Please explain yes The site is located approximately 200 meters from the nearest residence which is located on non-military property. There are	escribe th	ne site's hydrog	geology, including	informationen t	errain	, soils,	
unnamed tributary to Southwest Creek. Soilszre baymeade with proposition in the site #1. Approximately 75 metersto adjacent streams. Elevation approximately 15-20 feet. Triefly describe animal and plant life surrounding the site, including any eculiarities (e.g., dying plants). Same as site #1. The site is located approximately 200 meters from the nearest residence which is located on non-military property. There are			•		-		mall
similar to site #1. Approximately 75 metersto adjacent streams, Elevation approximately 15-20 feet. riefly describe animal and plant life surrounding the site, including any eculiarities (e.g., dying plants). Same as site #1. o personnel live or work near the site? Please explain. Yes The site is located approximately 200 meters from the nearest residence which is located on non-military property. There are		•					
Elevation approximately 15-20 feet. Priefly describe animal and plant life surrounding the site, including any eculiarities (e.g., dying plants). Same as site #1. The personnel live or work near the site? Please explain_yes The site is located approximately 200 meters from the nearest residence which is located on non-military property. There are							"
Priefly describe animal and plant life surrounding the site, including any eculiarities (e.g., dying plants). Same as site #1' To personnel live or work near the site? Please explain. Yes The site is located approximately 200 meters from the nearest residence which is located on non-military property. There are					<u>djace</u>	nt stream	S.
Priefly describe animal and plant life surrounding the Mr., including any eculiarities (e.g., dying plants). Same as site #1\(\frac{1}{2}\) To personnel live or work near the site? Please explain. Yes The site is located approximately 200 meters from the nearest residence which is located on non-military proerty. There are	Elevatio	n approximate	ely 15-20 feet	•			
Priefly describe animal and plant life surrounding the Mar, including any eculiarities (e.g., dying plants). Same as site #1. To personnel live or work near the site? Please explain, Yes The site is located approximately 200 meters from the nearest residence which is located on non-military proerty. There are		^				•	
Priefly describe animal and plant life surrounding the Me, including any eculiarities (e.g., dying plants). Same as site #Iv The personnel live or work near the site? Please explain yes The site is located approximately 200 meters from the nearest residence which is located on non-military proerty. There are						-	•
Priefly describe animal and plant life surrounding the Me, including any eculiarities (e.g., dying plants). Same as site #Iv The personnel live or work near the site? Please explain yes The site is located approximately 200 meters from the nearest residence which is located on non-military proerty. There are	•	•					
Priefly describe animal and plant life surrounding the Me, including any eculiarities (e.g., dying plants). Same as site #I's The personnel live or work near the site? Please explain yes The site is located approximately 200 meters from the nearest residence which is located on non-military property. There are					• .		
Priefly describe animal and plant life surrounding the Me, including any eculiarities (e.g., dying plants). Same as site #I's The personnel live or work near the site? Please explain yes The site is located approximately 200 meters from the nearest residence which is located on non-military property. There are							·····
Priefly describe animal and plant life surrounding the site, including any eculiarities (e.g., dying plants). Same as site #I's The personnel live or work near the site? Please explain yes The site is located approximately 200 meters from the nearest residence which is located on non-military property. There are		<u> </u>					
Same as site #1. Some as site #1. So personnel live or work near the site? Please explain_ yes The site is located approximately 200 meters from the nearest residence which is located on non-military property. There are			•	.			
Same as site #1. Some as site #1. So personnel live or work near the site? Please explain_ yes The site is located approximately 200 meters from the nearest residence which is located on non-military property. There are			•				
Same as site #1. Some as site #1. So personnel live or work near the site? Please explain_ yes The site is located approximately 200 meters from the nearest residence which is located on non-military property. There are						· · · ·	
Same as site #1. To personnel live or work near the site? Please explain_ yes The site is located approximately 200 meters from the nearest residence which is located on non-military property. There are				ounding the site,	includ	ing any	<i>-</i>
The site is located approximately 200 meters from the nearest residence which is located on non-military proerty. There are		•	•	•			•
The site is located approximately 200 meters from the nearest residence which is located on non-military proerty. There are		- :					-
The site is located approximately 200 meters from the nearest residence which is located on non-military proerty. There are	*					· · · · · · · · · · · · · · · · · · ·	
The site is located approximately 200 meters from the nearest residence which is located on non-military proerty. There are		· · · · · · · · · · · · · · · · · · ·				•	-
The site is located approximately 200 meters from the nearest residence which is located on non-military proerty. There are	<u> </u>			·			
The site is located approximately 200 meters from the nearest residence which is located on non-military proerty. There are						· · ·	
residence which is located on non-military proerty. There are	o personne	l live or work	near the site? P	lcase explain. Y	es		
residence which is located on non-military proerty. There are	•			_		nearest	
							_
							_

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SITE NUMBER __ 60

SECTION III. DETAILED DISPOSAL INFORMATION



This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner.

				-A-M-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			
Years	s of or	eration:	From			ľo	
			e of the si ury Dam		, slurry pi	:)?	
Where	dinates	12 at -	772438	so	nelohore	on and give	factivity map
	on L	ongstaff	15t (<u> </u>	te		
					•		· 1164
Desc: Talke	tibe ho	w the sit	e is/was o	perated.	Approxim	e (holes	(one) gallon
Y /\	Merce	ny cas	ne from	- Nad	ar unit	Hy dela	!) and bur
	Prach	ce rep	tended	over	10 year	period.	
	•					/	
				-		•	

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•	•	SITE	NUMBER	
TION III. DETAILED DISPO	DSAL INFORMATION (CONT	rikued)		
If the site was closed,	briefly describe the	closure proc	edures.	
	ويون و در والاور والاور و والورو و و و و و و و و و و و و و و و و و و			
		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
			•	
		•		
As well as possible, des	scribe the wastes that	• .	site.	
		• .		
As well as possible, des	cribe the wastes that <u>Quantity</u>	• .	site. Origin	
		• .		
		• .		
		• .		
Type of Waste		entered the		
		• .		
Type of Waste		entered the		
Type of Waste		entered the	Origin	
Type of Waste		entered the	Origin	

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	SITE NUMBER
::0	TICH III. DETAILED DISPOSAL INFORMATION (CONTINUED)
•	Describe the site's hydrogeology, including information on terrain, soils, water table depth, groundwater quality, nearby surface waters, etc.
	Soils: Craver fine sandy loam K2 0.06-0.2 DU/ HR.
	This soil has a fairly high preantage of clay in the
	B- horizon, This rould probably slow the migra-
	tion rate and enhance the attornation of mercury
	by adsorption by clay minerals. There is the po-
	tential for migration of Hg into the New River.
	Recommendation: 1.) Place I well upgradient
	· · · · · · · · · · · · · · · · · · ·
	of site, 3 downgradient. Sample for Ag and.
	2) Collect water sample and sediment sample
-	from Nav River adjacent to site. Hy anal,
	Briefly describe animal and plant life surrounding the site, including any peculiarities (e.g., dying plants).
	Production (0.8., d) and plants).
-	
	Do personnel live or work near the site? Please explain.

ACTIVITY

•	ACTIVITY
•	UIC
;	SITE NUMBER
ict	ION III. DETAILED DISPOSAL INFORMATION (CONTINUED)
	Have there been any incidents or complaints concerning this site? Explain.
	79.1.
11.	How close is the site to the activity's boundaries?
12.	Additional comments
-	
Water School	
	10

SECTION III. DETAILED DISPOSAL INFORMATION This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner. 1. Is this disposal site currently in operation or has it been closed? Years of operation: From 1975 To present 2. What is/was the name of the site (e.g., slurry pit)? Crash Crew Fire Training Barn Fit 3. Where is/was the site located (provide a description and give activity map coordinates)? MCAS-New River Coord 755428 4. Describe how the site is/was operated. See fact start attached oil spilled in while area contaminates fuel store. Livo pits 1) earth been 2) wound hole in ground several wreched A C	ALI	VIII CLe	J	
SECTION III. DETAILED DISPOSAL INFORMATION This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity, has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner. 1. Is this disposal site currently in operation or has it been closed? Years of operation: Prom 1975 To present 2. What is/was the name of the site (e.g., slurry pit)? Gash Crew Fire Training Barn Fit 3. Where is/was the site located (provide a description and give activity map coordinates)? MCAS - New Kener Coord 755428 4. Describe how the site is/was operated. See fact should attached oil spilled in whole area contaminated fuel stores Loo pile 1) earth form 2) wound hable in ground	•	·	, DIC	
This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity, has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner. 1. Is this disposal site currently in operation or has it been closed? Years of operation: From 1975 To present 2. What is/was the name of the site (e.g., slurry pit)? Crash Crew Fire Training Barn Fit 3. Where is/was the site located (provide a description and give activity map coordinates)? MCAS-New River Cward 755428 4. Describe how the site is/was operated. See fact should attacked oil spilled in whole area contaminates fuel store. Low pith 1) earth bern 2) wound hole in ground			SITE NUMBER _	2
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oil spilled in whole area contaminated fuel stores two pits 1) earth bern 2) round hole in ground	coordinates)?			vity map
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oil spilled in whole area contaminated fuel stores two pits 1) earth bern 2) round hole in ground			. 1.64	
				.cl
two pits 1) earth bern 2) round hole in ground				
	contaminated for	ul stores		
- several wrecked A/C	· y		round hole-	in ground
- small vil-slained sie				

Note: Commenter to the second of the second

WA WE (Continued) CF

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· •	uIC
	SITE NUMBER
SECTION III. DETAILED DISPOSAL INFORMATION (CONTINUED)
5. If the site was closed, briefly describe	the closure procedures.
Present policy is to burn on	ly water contaminated vils.
	0
·	

6. As well as possible, describe the wastes that entered the site.

Type of Waste Quantity Origin pit was fieled with water when visited in 3/82. There is a berns which wise prevent overflow in most instances except in extremes of rounfael. The pet is lined to prevent seepage. The surrounding aren is cleared of vegetations, HDP From EPA- Notification of hozardous worth site : Historially disposal of waste oil containing undetermined amounts of degressers & solvents were burded for fire figuting training Acadental discharges of water + residues of above mixtures have occurred which likely contained quantities of oil solvents degreasers and other materials. Upgralling site chrantly in gress to provide poelution absternent structures. Current regulations prohibit discharge of any substance other than JP-5 wito training pit. (6/3/87).

	UIC
	SITE NUMBER
SEC	TICH III. DETAILED DISPOSAL INFORMATION (CONTINUED)
7.	Describe the site's hydrogeology, including information on terrain, soils, water table depth, groundwater quality, nearby surface waters, etc.
	This site seamed pretty clean compared to the
	tail CPMCAS anash areis site. The best reason to
	monitor would be the nature of the activity stelly
	would probably involve some spills.
	Soil type: Baymoade Urban Land Complex.
	Soil Pomeability: 2.0 to 6.0 IN/HR.
	Well log for MCAS 5009 not available. Well
	logs for Wells 1255, 1256, 3, and 4 show great
	variation in the wishness of the confining unitors
	& short distances, However of expect the predominant
	drainage in both surface water and the water tableaguip
}	is directly toward Southwest Creek.
	peculiarities (e.g., dying plants).
	Rocommend: of this site seems tod, we
	should monitor for appropriate vastes.
•	
) _	Do personnel live or work near the site? Please explain.
	• •

ACTIVITY ____

SECTION III. DETAILED DISPOSAL INFORMATION (CONTINUED) 10. Have there been any incidents or complaints concerning this site? Explain. 11. How close is the site to the activity's boundaries? 250 meters to manyable water. 2500 meters to meanest adjacent non-mulitary land area (from feet short) 12. Additional coments photographs: Race 9 (MKH-9) Regular # 16+17. Pit appears to be relatively new with no evidence of oil scum or fuel shoon on surface of water. According to true Chief Rodgett — astimater fuel was to be afour 15000 gal fr. Section pot was funced grantly pit will work in pot war funced for surface of water.	SECTION III. DETAILED DISPOSAL INFORMATION (CONTINUED) 10. Have there been any incidents or complaints concerning this site? Explain. 11. How close is the site to the activity's boundaries? 250 meters to manigable water. 2500 meters to meanest adjacent mon-military land area. (from feet sheet) 12. Additional coments photographs; have 9 (MKH-9) Meyetime # 16+17; Pit appears to be relatively new with no existence of all scam or finel shoon on sarts of water. 12. Additional coments photographs; have 9 (MKH-9) Meyetime # 16+17; Pit appears to be relatively new with no existence of all scam or finel shoon on sarts of water. 12. Additional coments photographs; have get in (197 from pt was fermed granth pit with such in bottom - thought backey was	•	ACTIVITY
SECTION 111. DETAILED DISPOSAL INFORMATION (CONTINUED) 10. Have there been any incidents or complaints concerning this site? Explain. 11. How close is the site to the activity's boundaries? 250 meters to manigable water. 2500 meters to meanst adjacent non-military land area. (from fact sheet.) 12. Additional coments photographs; Pack 9 (MKH-9) Registers # 16 t 17; Pit appears to be relatively new with no evidence of oil scam or finel sheen on surface of water. 12. Additional coments photographs; Pack 9 (MKH-9) Registers # 16 t 17; Pit appears to be relatively new with no evidence of oil scam or finel sheen on surface of water. 12. Additional coments photographs; Pack 9 (MKH-9) Registers to be relatively new with no evidence of oil scam or finel sheen on surface of water. 13. Additional coments photographs; Pack 9 (MKH-9) Registers to be relatively new with no evidence of oil scam or finel sheen on surface of water. 14. Additional coments photographs; Pack 9 (MKH-9) Registers to be relatively new with no evidence of oil scam or finel sheen on surface of water. 15. Additional coments photographs; Pack 9 (MKH-9) Registers to be relatively new with no evidence of oil scam or finel sheen on surface of water. 15. Additional coments photographs; Pack 9 (MKH-9) Registers to be relatively new with no evidence of oil scam or finel sheen on surface of water. 15. Additional coments photographs; Pack 9 (MKH-9) Registers to be relatively new with no evidence of oil scam or finel sheen on surface of water.	SECTION III. DETAILED DISPOSAL INFORMATION (CONTINUED) 10. Have there been any incidents or complaints concerning this site? Explain. 11. How close is the site to the activity's boundaries? 250 meters to nearest adjacent non-mulitary land area. (from fact short) 12. Additional coments photographs; Race 9 (MKH-9) Negative # 16+17; Pit appears to be relatively non with no evidence of oil scam or finel shoon on surface of water. 12. Additional coments photographs; Race 9 (MKH-9) Negative # 16+17; Pit appears to be relatively non with no evidence of oil scam or finel shoon on surface of water. 12. Additional coments photographs; Race 9 (MKH-9) Negative # 16+17; Pit appears to be relatively non with no evidence of oil scam or finel shoon on surface of water. 12. Additional coments photographs; Race 9 (MKH-9) Negative # 16+17; Pit appears to be relatively non with no evidence of oil scam or finel shoon on surface of water. 13. Additional coments photographs; Race 9 (MKH-9) Negative # 16+17; Pit appears to be relatively non with no evidence of oil scam or finel shoon on surface of water. 13. Additional coments photographs; Race 9 (MKH-9) Negative # 16+17; Pit appears to be relatively non with no evidence of oil scam or finel shoon on surface of water. 14. Additional coments photographs; Race 9 (MKH-9) Negative # 16+17; Pit appears to be relatively non with no evidence of oil scam or finel shoon on surface for water was put in (1977).		UIC
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# 16+17: Pit appears to be relatively new with no evidence of oil scum or finel sheen on surface of water, according to fine Chief Padgett — estimates fuel one to be about 15000 gal /yr. — before concrete structure was put in (1975) form pit was fermed greath pit with works in bottom - thought bahase was	# 16+17: Pit appears to be relatively new with no evidence of oil scum or finel sheen on surfa of water. according to Fire Chief Partsett — estimates fuel use to be afout 15000 gal for. — before concrete structure was put in (197 furn fit was ferned greath pit with works in bottom - thought bakage was		military land area (from fact sheet)
# 16+17: Pit appears to be relatively new with no evidence of oil scum or fuel sheen on surfa of water. according to fire Chief Padgett — estimates fuel use to be about 15000 gal /yr. fefore concrete structure was put in (197: form fit was fermed greath pit with works in bottom - thought bakage was	# 16+17: Pit appears to be relatively new with no evidence of oil scum or finel sheen on surfa of water. according to fine Chief Paolett — estimates fuel use to be afout 15000 gal for. fefore concrete structure was put in (197 fare fit was ferned greath pit with work in bottom - thought bakage was	12.	Additional comments photographs; Roel 9 (MKH-9) Negative
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sochs in bottom - thought babage was	according to Fire Chief Padgett - Astimates fuel use to be afout 15000 gal /yr. - Sefore concrete structure was put in (197 furn pit was fermed greath pit with sochs in bottom - thought bakage was		_
Sefore concrete structure was put in (1979) furn pit was berned of earth pit with sochs in bottom - thought backage was	Sefore coverete structure was put in (197 furn fit was fermed greath pit with sochs in bottom - thought bakage was		
for pet was ferned greath pit with works in bottom - thought bahaze was	for pit was fermed greath pit with works in bottom - thought backage was		according to Fire Chief Padgett - Astimates fuel use to
form pet was berned greath pit with rocks in bottom - thought bakage was inevitable	furn pit was fermed granth pit with who with the standard was inevitable		- before concrete structure was put in (1975
inevitable	inevitable		Jun pet was fermed greath pit with
			inevitable

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• ;	•	SITE NUMBE	R2	
TION III. DETAILED DISPOSA	L INFORMATION		-	.
This section should be covere identified in section each site. As an example three copies of section site (1, 2, and 3) and example the site (1, 2, and 3) and example the site (1, 2, and 3).	on II. Section II e, say your activi III and complete t	I should be complete ty has three sites. hem. Assign a numb	ed for Make er to each	•
Is this disposal site curr Note: Use of area exc			•	•
prohibited.		5 of water contra	minaved ruer	_ 13
Years of operation: From	1975	To presen		
What is/was the name of the	e site (e.g., slur	ry pit)?		-
Crash crew fire traini	ing burn pit			-
Where is/was the site loca coordinates)? Marine Corps Air Stati			_	<u>8</u>
•				.
				~
Describe how the site is/w	es operated. Wate	er contaminated	fuels and us	ed petrol
products have been pla	aced into a pit	and burned. Pr	esent use re	stricted
per item (1) above.				
				
	· · · · · · · · · · · · · · · · · · ·			-
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MCBul 6280 11 Dec 1980

	ACTIVITY Marine Corps Base, Camp Lejeune
_	uic 67001
•	SITE NUMBER 2
•	Describe the site's hydrogeology, including information on terrain, soils, water table depth, groundwater quality, nearby surface waters, etc.
	The site is located at an elevation of approximately 15 feet above
	mean sea level. Although soils in the area have been highly modified
	by construction associated with the original construction of airport,
	the soils were originally baymeade and have same characteristics as site
	number 2. Distance to nearest body of water is approximately 100 meters
	to a small tributory of southwest creek. Distance to tidal waters is approached 200 meters.
	Briefly describe animal and plant life surrounding the site, including any peculiarities (e.g., dying plants).
	There is no vegetation in the immediate area (100 ft radius), however,
-	this could easily be relateed to heat and heavy traffic. There is no
-	observable effects beyond this distance.
•	
	Do personnel live or work near the site? Please explain.
	Yes; personnel work approximately 500 feet away from site which is
	adjacent to end of aircraft runway in restricted access area.

•	WEITATIL -	CLeT	A-
•		UIC SITE NUMBER	.42
SEC	TION III. DETAILED DISPOSAL INFORMATION		6
	This section should be completed only if were identified in section II. Section I each site. As an example, say your active three copies of section III and complete site (1, 2, and 3) and enter it in the up	II should be completed fity has three sites. Mathem. Assign a number t	or ke
1.	Is this disposal site currently in operation	n or has it been closed?	•
•			
	Years of operation: From	To	
2.	What is/was the name of the site (e.g., slumarines Rd - Sheads Forey Rd - Mogas		
3.	Where is/was the site located (provide a decoordinates)? At 835297	•	ity map
	•		
		. 1.61	
4.	Describe how the site is/was operated.		
	~5000 gal MOGAS spill on	Feb 28, 1975.	
	spill occurred about "2 blo	oki" south of in	tersection
hief		20 10 1	1 1
thet	on east side of road-gas we ditch and about 73 of 5000 gellon	as collected in dam	

₹		ACITATIL			
				uic	
	•		SI	TE NUMBER	
CTION III.	DETAILED DISPOSA	L INFORMATION (CO	NTINUED)		
	te was closed, br		·	ocedures.	
					
and the second s	er en sentre - Maria de l'arc PARIO de l'Address de l'Add			•	
	paganagi kananan manan man				
			•		
As well a	s possible, descr	ibe the wastes th	at entered th	ne site.	
Type of	Waste	Quantity		Origin	
	•	•			
	•		•	-	•
			•		
	·				
-					
		•			
			•		-
j		•			

	UIC
	SITE NUMBER
SEC	TICH III. DETAILED DISPOSAL INFORMATION (CONTINUED)
7.	Describe the site's hydrogeology, including information on terrain, soils, water table depth, groundwater quality, nearby surface waters, etc.
	May wish to recommend sampling a la Langley.
	Soils: Baymoode fine sand and Marvyn loany fine sand.
	K: 2-0-6.0 IN/HR and O.6-2.0 DN/HR.
	Well BB-220 is quite close to the intersection.
	As this is an active well, there may be to induced
	gradient toward BB-220. There could be some leak.
	age through the ~ 22 pt confining zones.
	Recommend. 1. Sampling and analysis of water
	from well BB- 220 for gosoline compounds.
	2. Soil sampling within area of spill from land outpoor
	to the water table consisting of x cores with samples rulained at one foot intervals for analysis of gosoline amount in its cescribe animal and plant life surrounding the site, including any
•	peculiarities (e.g., dying plants).
•	
	Do personnel live or work near the site? Please explain.

ACTIVITY ____

	ACTIVITY
•	UIC
	SITE NUMBER
- M	ION III. DETAILED DISPOSAL INFORMATION (CONTINUED)
10.	Have there been any incidents or complaints concerning this site? Explain.
	*9·1 ·
11.	How close is the site to the activity's boundaries?
	•
4 .	•
	·
12.	Additional coments No photos. Locked like normal
	hwy, intersection with no evidence of fuel
	cil in ditches on on standing water or plants,
-	

Site confirm, on basis that has a norman up, many, Amount of want wealthouse would believe a take distilled some who parties a were an extended for a ALIIVIIT CLEJ UIC ____ SITE NUMBER __ 45 SECTION III. DETAILED DISPOSAL INFORMATION This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner. 1. Is this disposal site currently in operation or has it been closed? Years of operation: From _______To _____ 2. What is/was the name of the site (e.g., slurry pit)? Amphibian Landing Site 3. Where is/was the site located (provide a description and give activity map coordinates)? 4. Describe how the site is/was operated. Discharge of POL to Courthouse Bay Presibly batt acid See 45A Those notes apply to the Amphibious Vehicle Storage

MHWA CF

Area that Danny Shap thought warranted a visit.

The Amplit Landing site was an area of oxtensively

	AU1171-17			
			סונ	
•		SIT	E NUMBER	
ON III. DETAILED DISP	OSAL INFORMATION (CO	ONTIRUED)		
If the site was closed,	hriefly despribe th	ne closurá pro	codurac	
		ic crosure pro-	cedures.	
listental clan in	ville sand.			-
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s well as possible, de	scribe the wastes th	at entered the	e site.	
s well as possible, de Type of Waste	escribe the wastes the		e site. Origin	
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			i	

	ACTIVITY	
		UIC
	•	SITE NUMBER
CTICH III. BETAIL	ED DISPOSAL INFORMATION	(CONTINUED)
Describe the sit	e's hydrogeology, inclu-	ding information on terrain, soils,
water table dept	h, groundwater quality,	nearby surface waters, etc.
-		Service Control of Con
	•	
		-
-		
peculiarities (e.	animal and plant life s g., dying plants).	urrounding the site, including any
•		
	•	
Do personnel live	or work near the site?	Please explain.
-		

•	ACTIVITY
٠.	UIC
	SITE NUMBER
۔۔ CCTد	TION III. DETAILED DISPOSAL INFORMATION (CONTINUED)
10.	Have there been any incidents or complaints concerning this site? Explain.
	79.1.
11.	How close is the site to the activity's boundaries?
12.	Additional comments No photos. Extensive cleaned area
	and frails for amphibious landing craft. Area kept
	no vegetation except sparse grasses observed, Area looked like area in photo 7/28,
LARLACTE	The second secon

SITE INFORMATION C, Le J

Site Number and Location: $45A$
Site Number and Location: 45 A Map Sheet 17 of 24, Ivear Bldg 5-A-29.
Initial if you visited this site: MH photos: $\frac{7}{3}c-33$
photos: 7/30-33
Who gave you information on this site and what did they tell you?
Danny Sharpe, Known past oil spill area
Are you aware of other sources of information on this site? reports, samp
results, etc.
What are your personal observations of the site?
Possible oil scum on reeds at maters
edge ((curthouse Bay), See photo log,
What would be the most compelling reason to do follow-up work at this site (NOT whether you think it should be done or not)
and whether you enting to bround be done of not)

Site confirms on bosing win man guilities graduate disjund & ALITYTIT Che J UIC ____ SITE NUMBER 40 SECTION III. DETAILED DISPOSAL INFORMATION This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner. 1. Is this disposal site currently in operation or has it been closed? Years of operation: From <u>pre-1942</u> To <u>about 1972</u>

2. What is/was the name of the site (e.g., slurry pit)? 3. Where is/was the site located (provide a description and give activity map coordinates)? 748302 - material just from right range -4. Describe how the site is/was operated. sanch soils, woodes

> WA MA MA Continued) CF

	WC11A1-11	
		uic
	•	SITE NUMBER
ION III. DETAILED D	ISPOSAL INFORMATION (CONTINU	
If the site was clos	ed, briefly describe the clo	osure procedures.
•	describe the wastes that en	
Type of Waste	Quantity	Origin
Type of Waste	Quantity	Origin
Type of Waste	<u>Quantity</u>	Origin
Type of Waste	<u>Quantity</u>	Origin
Type of Waste	Quantity	Origin
Type of Waste	Quantity	Origin

			AL.	ITATIA				
							nic	
			•			SITE	KUMBER	
-						· · · · · · · · · · · · · · · · · · ·		
CTION	i III.	CETAILED DIS	SPOSAL INFOR	WATION (CONTINUE	D)		•
Des	scribe the test of the second te	he site's hi e depth, gr	ydrogeology, oundwater qu	, includi uality, r	ng informerby su	mation on rface wat	terrain, ers, etc.	soils,
		· · · · · · · · · · · · · · · · · · ·		·	:			
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-			Padriore de Production de la companya del companya de la companya de la companya del companya de la companya del la companya del la companya de la companya del la companya de la companya del la companya de la companya de la companya de la companya del la company			· · · · · · · · · · · · · · · · · · ·		
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•••				- Military and American American -				
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Bri peci	lafly des uliariti	cribe anima	el and plant iying plants	life su	rrounding	the site	e, includir	ng any
		• .	. 7.					
								,
Do :	refsonne	l live or w	ork near th	e site?	Please e	xplain.		•
- - 1						• ~		
-					-			
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	ACTIVITY
	UIC
	SITE NUMBER
SECT	ION III. DETAILED DISPOSAL INFORMATION (CONTINUED)
10.	Have there been any incidents or complaints concerning this site? Explain.
	Fg.1.
11.	How close is the site to the activity's boundaries?
	•
12.	Additional comments Photo 8/30-32 concrete, wood,
	stave pripes, barrels (unidentified), I fence posts, observed on
	surface. Most material dumped in cleared area but
	some scattered back into present woods (photo 8/3)
	•
***** <u>*</u>	

I. RECEPTORS

Factor

Measurement, Observation Information Obtained from:

Working population w/in 1000 ft:
Distance to nearest well in aquifer
 of concern:
Land use/zoning w/in 1 mile radius:
Distance to reservation boundry:
Critical environments w/in 1 mile radius:
Water quality of nearest surface water body:
Ground water use of the aquifer of concern:
Population served by surface water supply
 w/in 3 miles downstream:
Population served by the aquifer of concern
 supply w/in 3 miles of site:

II. PATHWAYS

Factor

Distance to nearest surface water:
Net Preciptation:
Surface erosion:
Surface permeability:
1 yr-24 hr rainfall (or mean annual number of thunderstorms):
In which floodplain:
Depth to ground water:
Subsurface flows:
Direct access to ground water:
Lab evidence of contaminant migration (attach results):

III. WASTE CHARACTERISTICS *

Measurements, Information Observations Obtained from: Factor Waste type : Waste quantity: Toxicity - Acute: Chronic: Persistency: Flammability: Reactivity: Incompatible wastes present: Corrosiveness: Solubility at 20°C: Bioaccumulative: Physical State: * NOTE: May be more than one of these pages per site IV. WASTE MANAGEMENT Measurement, Information Observement Obtained from: Factor

Site containment

Confidence level of information on site

WORKSHEET FOR RANKING DISPOSAL SITES

Name of Base:
Name of Site:
Prepared by:
Date:
Years of site use: 19 19
Map Coordinates:
Location: (NE x ' from building Y, x' SW of intersection of A&B, etc.)
Approximate size:
Shops that may have used the site:
Description of site: (including basic hydrogeology and biology of site) (Include sketch of site on back)
Comments:

This with an allow or such - flyacht solve to disposal of heer. ALIIVIII Camp Le June UIC __ SITE NUMBER 26 SECTION III. DETAILED DISPOSAL INFORMATION This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner. 1. Is this disposal site currently in operation or has it been closed? No Years of operation: From 1972 (at hank To present 2. What is/was the name of the site (e.g., slurry pit)? Industrial Area Fly Ash Dump 3. Where is/was the site located (provide a description and give activity map coordinates)? at 866380 4. Describe how the site is/was operated. ____ surface dump of central heating plant, water treatment slant spiractor, sewage treatment slant sludge - I sewage trea shides have been spread there for sever huction subfle, sewage sludge in 1960ies larm. beak reported , WTP sludge on sandy soil

3			AC1171-17					
•						vIC		
		•	•			SITE NUMBER	·	
SECTION III.	DETAILED	DISPOSAL	INFORMATIO	N (CONT	IRUED)	*		
5. If the s	ite was cl	osed, bri	efly descri	be the	closure	procedures.		
	•			<u> </u>	3			-
							-	
-							-	
					•	• 、		
6. As well	as possibl	e, describ	oe the wast	es that	entere	i the site.		• .
Туре о	f Waste		Quanti	ty		Ori	gin	

Type of Waste	Quantity	Origin
Fly ash and cinders		Contral Heating
Sowage Treatment Plant Digo der (Ananobsic) Sludge		All 7 base Sewage Treatment Plants
Furnature Stripping Vat Whotes (Laquer, varner, es	(e)	Former Farnature Shipping Shop

TICH III Descrit water to be	be the	site depth	's hyd	drogeo undwat	logy,	, included in the second contract of the seco	uding	info		SITE	ו ט פואטא	R		
Descrii	be the	site depth	's hyd	drogeo undwat	logy,	, included in the second contract of the seco	uding	info		**********	A. Arter			
Descrii	be the	site depth	's hyd	drogeo undwat	logy,	, included in the second contract of the seco	uding	info		*				
water :	cable	depth	. grou	undwat	er ou	uality	uding	info						
towe	and c	<u> </u>	this	site	•	-	, nea	rby s	urfac	e wa	ters.	etc.		
towe	~d (11			isp	obabl	ly to	1,4	2 Op	H	مر	dn	teel	
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50 years	o.ii.e.	1116	OL WO	IK Hec	ir cit	c 21cc		rease.	evă r	B.A.M.*.				
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						SITE NUMBER	
ī]	ION III. D	ETAILED DIS	POSAL INFORM	ATION (COM	TINUED)	*	
	Have there	been any in	ncidents or	complaints	concern	ing this site	? Explair
•					.		-
	79.1	•					
					•		
	How close	is the site	to the acti	vity's hou	ndaries?		
				· ,			
		•					
				•			
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	4.3.1.2.2						
	Additional	comments _	P & Tu	CD		# 7 -2	
٠.	• .		notos	000		# 2-3	ground
						with fly a	
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		with	some at	eas be	coming	revegetati	<u>.</u>
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of the state of the part of the Subdook and Note That the comment and the warm is a first them . ALIIVIII CLeJ UIC __ SITE NUMBER SECTION III. DETAILED DISPOSAL INFORMATION This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner. Is this disposal site currently in operation or has it been closed? ~ 1966-67 Years of operation: From ~1946 2. What is/was the name of the site (e.g., slurry pit)? Hadnot Point Burn Dump 3. Where is/was the site located (provide a description and give activity map coordinates)? Near mouth of Cogdell's Creek at map Coord 855364. Between Hadnot Point servage treatment plant and Cogdell's Creek. Dimensis & ~ 1000' x 1000' 4. Describe how the site is/was operated. Mined Industrial - Municipal . type solid waste - received will based print which was burned refuse, trash + other wastes generated throughout industrial arm in Hadnat Point and nearby housing areas. Wastes were burned with dut . Dump new graded and landscaped. on both sides of Cogelles Creek former wettano reported only seepage to Rive

A h- like aron on olump?

	ACTIVITY	CL	
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		SITE NUMBER	3
TION III. DETAILED DISPO	SAL INFORMATION (CONT	INUED)	
If the site was closed,			
		,	
		•	
Type of Waste	Quantity	Origin	
Wastewale Treatment Pla Disposed Stridge Old paint camo Old Inceneral or Ash	mt	Hadnot Point ST. Aunt Shop Incenerator	ρ
All point cano		Point Shop	•
Old Shannalon Ash		Inceneration	•
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		ACTIVITY _	C. 2		
				UIC _	
				SITE NUMBER _	3
TICH III.	CETAILED DISPOSAL I	INFORMATION	(CONTINUED)		
	•				(1
	the site's hydrogeol ble depth, groundwate		_		•
100 la	et sheet		Section Control or Greenster		
•	1.: 4 to No.	70	P.545.	· .	
	yaset to Nor	J KANER a	nd tout	on a for	<u> </u>
coma	of Cogollela Cr	· there i	o a high	probabil	ity of
9.W.	movement in	to the N	en River		
•					-
		 			· · · · · · · · · · · · · · · · · · ·
			•		
					
Briefly d	escribe animal and parties (e.g., dying pl	lant life su	rrounding the	e site, inclu	ding any
•		-			
	•				
	•	•	•		
Do person	incl live or work nea	r the site?	Please expla	ain.	·
,					
	·		·		

•		ACTIVITY		CL	
		•		UIC	
				SITE NUMBER	3
ECTION III. D	ETAILED DIS	POSAL INFORMATION	(CONTINUED)		
		ncidents or compl	•	ng this site	e? Explain.
					·
	**************************************	· ***			
79.1					
l. How close	is the site	to the activity's	s boundaries?		
	•	•			
	•				
		•			
					
2. Additional	. comments	Thotographs:	Roel 6 (MKH-6)	negative #
1+2.	Photos 8	8/4-5 prese	nt park	area. A	lowed field.
	A/50	CRF-1	#3	ound	
		CRF-3	#32-36	a seri	N.
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	1170			
	UIC			

SITE NUMBER ___ 77

SECTION III. DETAILED DISPOSAL INFORMATION



This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner.

Years of operation: From	-	To	
What is/was the name of t	he site (e.g., slur	rxy pit)?	
Sneads Ferry Rd - Fu	el Tank Sludge	Aren	
There is/was the site loc	ated (provide a des	cription and gi	ve activity map
	324 in 5		
(from J. Wooten)	-		
			1164
Describe how the site is/	as operated. Ne	ed info on h	heeler disposa
crea is lined; amour		•	_
	,	70 0	50
present Rase Sap	to Officer -	had no e	locuments res
present Base Sap this site of	ion "Mr. Tor	Umaris Adn	inistration"
	re of any sir	<i>f</i> < :	11 01

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•		SITE	NUMBER	
ION III. DETAILED DIS	POSAL INFORMATION (C	CONTINUED)		
If the site was closed	, briefly describe t	the closure prod	cedures.	
•				
			-	
Ac uall as possible d	ecribe the wastes t	hat entered the	s eita	
As well as possible, d	escribe the wastes t	hat entered the	e site.	···
As well as possible, d	escribe the wastes t	hat entered the	origin	unique en
		hat entered the		
		hat entered the		
		hat entered the		
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		hat entered the		
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		•		
As well as possible, d				

	ACTIVITY
	UIC
	SITE NUMBER
SEC	TICH III. CETAILED DISPOSAL INFORMATION (CONTINUED)
	Describe the site's hydrogeology, including information on terrain, soils,
	water table depth, groundwater quality, nearby surface waters, etc.
	fail: Kurch finesand, K2 6.0-20 IN/HR & FACT!
	Hydraulic gradient in WTA would be toward French's Creek,
	- Recommendation: Place 3 monitor wells
	downgradient and one upgradient if sufficient
	quantity of wastes disposed here. Sample and
	analyze for appropriate constituants.
•	Eriefly describe animal and plant life surrounding the site, including any peculiarities (e.g., dying plants).
-	
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-	•
-	
•	Do personnel live or work near the site? Please explain.
-	
-	
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-	• •

	ACTIVITY _	
•		UIC
		SITE NUMBER
ECTION III. DETAI	LED DISPOSAL INFORMATION ((CONTINUED)
O. Have there bee	n any incidents or complai	ints concerning this site? Explain.
	·	
39.1.		
l. How close is t	he site to the activity's	boundaries?
•		
•		
2. Additional com	ments	
Market describes a service and the service and		
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SITE NUMBER _

SECTION III. DETAILED DISPOSAL INFORMATION

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This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner.

	•
Years of operation: From	Тъ
What is/was the name of the site (e.g.	g., slurry pit)?
\mathcal{I}	de a description and give activity map Mogas Spill
•	
Describe how the site is/was operated	1. Fuel Deport
5 above ground PCL tank	,
vehicle Suel sums	
vehicle fuel sumps asphalt Serm + sain	,
Some oil staining of	soil outside fence
) F	
	•

			vic
•		SITE NUM	BER
OU TIT DETAILED DIC	DOCAL INCORRATION (CONT	נייינים)	
	POSAL INFORMATION (CONT		
If the site was closed	, briefly describe the	closure procedur	es.
la possible d	ocaribo the mates that		
	escribe the wastes that Quantity		
	escribe the wastes that <u>Quantity</u>		
As well as possible, do Type of Waste Mogas Spell			e. Origin und break

	UIC
	SITE NUMBER
ECTIC: II	II. CETAILED DISPOSAL INFORMATION (CONTINUED)
. Descri	the the site's hydrogeology, including information on terrain, soils, table depth, groundwater quality, nearby surface waters, etc.
12	May want to recommend campling similar to
	I performed at Langley AFB in area of fuel laska
<u> </u>	losest wells: TC-100 completed in WTA; TC-104
com	pleted beneath 46ft thich confining zone.
	oil Type: Baymendo Urbon Land Complex. K= 2.0-6.0 in/0
	Contaminanto from this site would probably
	rate toward Brinson Creek via surface runoj
	movement in the WIA.
	Theat to well is low as they are upgradunt of
the s	aite.
* *	
Briefly peculia	y describe animal and plant life surrounding the site, including any critics (e.g., dying plants).
•	
-	
Do pers	sonnel live or work near the site? Please explain.
And the state of t	

ACTIVITY ____

	ACTIVITY _	
•		UIC
		SITE NUMBER
SECT	TION III. DETAILED DISPOSAL INFORMATION	(CONTINUED)
	Have there been any incidents or compla	
		•
	39.1	
11.	How close is the site to the activity's	boundaries?
		-
12.		CRF rolls
	photo 9/26-2	8 No major evidence of
	oil spills,	

ر ما داد از این از ای	Carry States	Contract Co	
WELTATEL -	CLeJ	A	
		UIC	

SITE NUMBER

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SECTION	III.	DETAILED	DISPOSAL	INFORMATION

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This section should be completed only if active or past disposal sites were identified in section II. Section III should be completed for each site. As an example, say your activity has three sites. Make three copies of section III and complete them. Assign a number to each site (1, 2, and 3) and enter it in the upper right-hand corner.

_	
Y	lears of operation: From pre 1952° To late 1950's (58/9
W	That is/was the name of the site (e.g., slurry pit)?
	Geiger Area Sewage Treatment Plant Dump
W C	There is/was the site located (provide a description and give activity map coordinates)? at 763462
	•
_	· 1· bod
D	escribe how the site is/was operated. Mixed Industrial (Air Station
_	and Municipal Solid Waste - burned and buried -
4	
<u>/</u>	found to moved of burn till area = 260 feet by 100 feet about 10-12 feet about surrounding land - defris and
	refuse scattered thoroughout area
	Trash and garbage burned in open, low area and periodecally (-,
	covered over with earth.

	AUTIVITY		······································
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•		SITE NUMBER	
ON III. DETAILED DISPOS.	AL INFORMATION (CONT	INUED)	
the site was closed, b	riefly describe the	closure procedures	· · · · · · · · · · · · · · · · · · ·
·			
			•
; well as possible, desc	ribe the wastes that	entered the site.	
Type of Waste	Tibe the wastes that Quantity	entered the site. Original	<u>in</u>
Type of Waste Misc. refuse Liquid and Solice		Original Camp Geogra	in Anea
		entered the site. Original Comp Geogram MCAS	in Anea
Type of Waste		entered the site. Original Comp Geogram MCAS	in Anea
Type of Waste		entered the site. Original Comp Geogram MCAS	in Area
Type of Waste		entered the site. Orig: Camp Gesge MCAS	in Area
Type of Waste		entered the site. Original Camp Geogram MCAS	in Area
Type of Waste		entered the site. Original Camp Geogram MCAS	in Area
Type of Waste		entered the site. Original Comp Geogram MCAS	in Area

	ACT	YTIVITY
•		UIC
,		SITE NUMBER
ICT!C: I	II. CETAILED DISPOSAL INFOR	RMATION (CONTINUED)
. Desar	ibe the site's hydrogeology, cable depth, groundwater qu	, including information on terrain, soils, uality, nearby surface waters, etc.
	-	omplex. K = 2.0-6.0 DV/HR.
		geontominants via WTA and
	•	Brisson Cr. and the New River.
•	• • • • • • • • • • • • • • • • • • • •	upply wells as they are both
	ent and well appro	•
	al.	gradient well and 3 downgrad
	wells.	

	ly describe animal and plant arities (e.g., dying plants)	: life surrounding the site, including any
*		
	•	
Do bez	sonnel live or work near the	ne site? Please explain.
		
	• •	

-	ACTIVITY
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	SITE NUMBER
, ····	DETAILED DECOCAL ENGADUATED (ACCUSTOMES)
SECT	ION III. DETAILED DISPOSAL INFORMATION (CONTINUED)
10.	Have there been any incidents or complaints concerning this site? Explain.
	79.1.
11.	How close is the site to the activity's boundaries?
a	
12.	Additional coments photos-CRF rolla
	•

11. PATHWAYS CATEGORY

A. Evidence of Contamination

Direct evidence is obtained from laboratory analyses of hazardous contaminants present above natural background levels in surface water, ground, water, or air. Evidence should confirm that the source of contamination is the site being evaluated. The samples should have been off site but near the site.

B-1 POTENTIAL FOR SURFACE WATER CONTAMINATION

		Rating Sca	le Levels		
Rating Factor	0	1	2	3	Multiplier
Distance to nearest surface water (includes drainage ditches and storm sewers)	Greater than 1 mile	2,001 feet to 1 mile	501 feet to 2,000 feet	0 to 500 feet	8
Net precipitation (total precipitation minus evapotranspiration)	Less than -10 In.	-10 to + 5 in.	+5 to +20 in.	Greater than +20 inches	6
Surface erosion	None	Slight	Moderate	Severe	8
Soil permeability	0% to 15% clay (>10 ⁻² cm/sec)	15% to 30% clay 10 ⁻² to 10 ⁻⁴ cm/sec)	30% to 50T% clay (10 ⁻⁴ to 10 ⁻⁶ cm/sec)	Greater than 50% clay (∠10 ⁻⁶ cm/sec)	6
Rainfall intensity based on 1 year 24-hr rainfall (or mean annual number of thunderstorms)	Less than 1.0 inch (0-5)	1.0-2.0 inches (6-35)	2.1-3.0 inches (36-48)	Greater than 3.0 inches (>50)	8
B-2 POTENTIAL FOR FLOODING					
Floodplain	Beyond 100-year floodplain	in 100-year flood- plain	in 10-year flood- plain	Floods annually	1
8-3 POTENTIAL FOR GROUND-WATER	R CONTAMINATION OF THE AQUIF	ER OF CONCERN	•		
Depth to ground water	Greater than 500 ft	50 to 500 feet	11 to 50 feet	0 to 10 feet	8
Net precipitation	Less than -10 ln.	-10 to +5 in.	+5 to +20 in.	Greater than +20 inc.	6
Soil permeability	Greater than 50% clay (>10 ⁻⁶ cm/sec)	30% to 50% c)ay (10 ⁻⁴ to 10 ⁻⁶ cm/sec)	15% to 30% clay (10 ⁻² to 10 ⁻⁴ cm/sec)	0% to 15% clay (<10 ⁻² cm/sec)	8
Subsurface flows	Bottom of site greater than 5 feet above high ground-water level	Bottom of site < 5 feet above high ground-water level Bottom of site occasionally submerged (1-3 times/year)	Bottom of site frequently submerged (>3 times/year)	Bottom of site submerged.	8
Direct access to ground water (through faults, fractures, faulty well casings, subsidence fissures, etc.)	No evidence of risk	Low risk	Moderate risk	High risk	8

源 1 (10) 10 (10)

-

WATER & AIR RESEARCH INC.

6821 SW Archer Rd. P. O. Box 1121 GAINESVILLE, FLORIDA 32602 (904) 372-1500

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WATER & AIR RESEARCH INC.

6821 SW Archer Rd. P. O. Box 1121 GAINESVILLE, FLORIDA 32602 (904) 372-1500

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CALCULATED BY	HAP	DATE	5/20/82
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Source: U.S. MARINE CORPS HISTORY OFFICE

CAMP LEJEUNE.

<u>Farly History:</u> Camp Lejeune is located on the scenic banks of New River, Onslow County, in the south coastal area of North Carolina. It is known that early French and Spanish emplorers visited the coast of North Carolina, but no serious attempt was made to establish a settlement until near the close of the 16th century, when Sir Walter Raleigh, in April 1584, received from Queen Elizabeth a patent for colonization in the New World. Philip Amadas (Amidas) and Arthur Barlowe were sent out in early 1584 on this mission, and returned in September with an interesting account of what is now the coast of North Carolina. The following April, a colony of 108 men under Ralph Lane sailed from Plymouth in a fleet of seven sall ships commanded by Sir Richard Grenville. The colony was etablished in August 1585, however, in June 1586, the entir colony left for England because of threatened famine and destruction by the Indians. Because of his great disaprintment of the return of the first colony. Raleigh despatced another colony consisting of 121 persons under John Whie, whose grand-daughter, Virginia Dare, was the first Engish child to be born in America. The first permanent English colony in North Carolina was established at Albemarlin 1660

by people from Virginia. A war with the Tuscarora Indians in 1711-1713, resulted in the defeat of the Indians, and the removal of the greater part of the tribe to New York, where they became the sixth nation of Iroquois confederacy. Wars seriously affected the New River regions throughout their early history. After the Indian wars, Spanish buccaneers and pirates beset the region. During the Spanish "invasion" in 1740s, prisoners were brought to Onslow County through Bear Inlet. The first courthouse for Onslow County is believed to have been located at Courthouse Bay, six miles from the mouth of New River, now an integral part of Camp Lejeune. The second county seat and courthouse were located on North East Branch, where the Marine Officers' quarters now occupy at the scenic Paradise Point. Stocks and the whipping post were ordered along the courthouse and fail. Court met from 1737 to 1744, when it was recorded:

"The court being met at ye place where ye courthouse formerly stood & finding ye house by some malishious and evil disposed person was burnt, they were pleased to adjoin to ye house of John Taylor."

Within two years after the creation of the Marine Corps,
American Marines were on duty in the coast area, and were
assigned in 1777 to the Privateer STURDY BEGGAR of New Bern.
They sailed against two English brigs which had arrived within the bar in the Carolina seashore and captured several vessels.

While passing through Onslow County from New Bern to Wilmington, during his southern tour in 1791, President George Washington made the following entry in his diary: "The whole road from Newbern to Wilmington passes through the most barren country I have ever beheld."

Activation of Marine Corps Camp: When the world crisis tended to draw the United States into global conflict, the Marine Corps anticipated the need for a marmoth East Coast Fleet Marine Force training center, since their expansion plans had outgrown Quantico and Parris Island. On 15 February 1941, their request for new ground and air bases was approved by the House Naval Affairs Committee. Chairman Fred M. Vinson issued the following report to accompany a bill authorizing the Secretary of the Navy to proceed with the project:

"After detailed reconnaissance by a board of Morine officers of various areas along the Atlantic and Gulf coasts between Norfolk, Va., and Corpus Christi, Tex., it was determined that the areas in the vicinity of the New River and Neuse River in North Carolina, were the only ones which meet the requirements....

"In order that there will be no operational interference between airplanes and elements of the ground forces, such as artillery and anti-aircraft, it is advisable to establish the air facilities in an area outside the divisional area proper. The distance between the two, lowever, should not be so great as to render the necessary ground-air liaison and combined training impractical. They should be as close as possible without mutual interference.

"A suitable training area for all elements of Marine division requires that there be access to deep-water ports; that it include an area of at least ten miles square, unobstructed by public roads, railroads, industries or habitations which would interfere with firing by artillery weapons up to six inch, or with aircraft and anti-aircraft gunnery; that landing beaches providing varying surf conditions be available; that suitable sites exist for the operation of land and sea planes; that it be in proximity to recreation areas; and that rail transportation and power be readily available."

An initial appropriation of \$1,500,000 for surveys and land purchases was announced on 15 February 1941 by President Franklin D. Roosevelt and Secretary of the Navy Frank Knox. Members of a special Marine Corps board were appointed to select the sites. They were Brigadier General Julian C. Smith, Colonel Pedro del Valle and Lieutenant Colonel Thomas J. Cushman. From land, sea and air, careful inspections were made over this territory, and by 10 April, they submitted a definite recommendation that New River be chosen for the ground base and Neuse River for the air station. The Navy Department announced on 22 April that three firms of Charlotte, North Carolina had been awarded the contract for building a \$14,575,000 Marine Corps base in Onslow County, the largest original contract up to that time awarded in the south for the nation's defense. Two Civilian Conservation Corps Companies assisted in road construction, forestry and other phases of developing Onslow swamp lands into a modern military post.

On 16 July 1941, Secretary of the Navy Knox arrived at the New Bern airport for his first official inspection of the Marine Corps site, where he was met by Colonel W. P. Hill (now Major General, and the Quartermaster of the Marine Corps) liaison officer between the Marine Corps and the Navy Engineers, Major John Kaluf, purchasing and disbursing officer, and Lieutenant Commander Madison Nicholas, USNR, first naval officer in charge of construction. The Secretary expressed hearty approval of the progress and plans, although heavy rains during his visit, made the dirt roads so muddy that the automobile in which the party rode, became frequently mired. By them the Tent City was nearing completion.

When units of the 1st Marine Division arrived at New River in September 1941, they found on the reservation a little town named "Marines", which had previously been named in honor of one of the oldest families of Onslow county. The Marine Barracks at New River, under the command of Colonel D.L.S. Brewster, was activated on 15 September 1941, and on 20 September, the American flag was raised over the U.S.Marine Corps reservation, which embraced approximately 85,000 acres of land and 26,000 of water acreage.

On 7 December 1941, two commands were established at New River: the Marine Barracks, consisting of a small maintenance staff under Colonel Brewster, stationed at Montford Point, and the 1st Marine Division under the command of Major General Philip H.Torrey, located at the Tent City.

All Marine Corps assignments of almost every kind, were rehearsed at New River, except preliminary boot training for recruits conducted at Parris Island, South Carolina.

After the departure of the forward echelon of the 1st Marine Division, the Fleet Marine Force Training Center, New River was organized in accordance with instructions contained in a letter dated 23 May 1942 from the Commendant of the Marine Corps, Major General Thomas Holcomb, to the Commanding General, Rear Echelon, 1st Marine Division, which is quoted in part as follows:

"Please organize the Training Center, Fleet Marine Force, Marine Barracks, New River, North Carolina, to include all Fleet Marine Force Units, and such replacement units as may be organized. Units not specifically attached to the Amphibious Corps, Atlantic Fleet, will operate under this headquarters...."

completion of the permanent quarters was a gigantic task for 1942. More than 1400 permanent buildings and 1000 huts were projected. So rapid was the translation of blue-prints into reality that by August 1942, the base Headquarters was moved from Montford Point to Hadnot Point, and occupied by post troops, while Montford Point was taken over by the negro recruits. By that time, the 1st Marine Division, which had received its final training at New River, was already en-

gaged in combat against the Japanese on Guadalcanal under General A. A. Vandegrift. However, their places in Tent City were filled by other Marines. In September 1942, the Rifle Range was completed, with three 50-target ranges, and a pistol range. Marine recruits were brought from Parris Island for rifle practice at New River after undergoing the first phases of boot training. With consideration for future requirements for training activities, the Training Center in December 1942. The Commandant further was brearized directed that the following list of activities within the Training Center be organized: Headquarters Battalion, School Battalion, Signal Battalion, Quartermaster Battalion, Engineer Battalion, Artillery Battalion, Infantry Battalion, Barrage Balloon Group, Parachutse Battalion, and Replacement Battalions.

Effective 20 December 1942, the Marine Barracks, New River was redesignationed as Camp Lejeune and included the following activities: Marine Barracks, Training Center and Fleet Marine Force units. The name "Camp Lejeune" was chosen in honor of the late Lieutenant General John Archer Lejeune, who commanded the 2d Division of the American Expeditionary Forces in France during World War I, and served as Commandant of the Marine Corps from 1920 to 1929. It was a very fitting name, since General Lejeune had a large part in the develop-

ment of amphibious training in the Corps.

In addition to the tremendous training program at Camp Lejeune, the year to fruition of elaborate programs for athletics and recreation. Supplementing the area theatres, gymnasiums, post exchanges, mess halls and barracks were service men's clubs, a non-commissioned officers' clubhouse and a large recreation hall for Women Marines.

Women Reserves - In March 1943, Major Ruth Cheney Streeter, director of the Marine Corps Women Reserves, paid her first visit to Comp Lejeune to make plans for the arrival of one of the largest contingents of Women Marines anywhere in the Unites States. Late in April, kww Women Reserve Officers arrived at Camp Lejcune, and by 1 May, the first enlisted personnel (about 145 women reserves) arrived from Hunter College, New York, where they had received their indoctrination training; 40 of them started a four-weeks' course at a new non-commissioned officers' school set up within the Women's Reserve Battalion; 70 were sent to the Quartermaster School for three months; 20 undertook a six-weeks' course at the Cooks and Bakers' School; and 15 reported for four weeks of classes at the liotor Transport School. The largest mass movement of Women Marines took place in July 1943, when 75 officer candidates and 525 recruits from all parts of the United States arrived to form the first classes at the new Marine Corps Women's Reserve School - the first school of its kind ever to be established at

a regular Marine Corps post. New classes arrived bi-weekly, until approximately 3000 were at Camp Lejeune to study or to train under rules and along deversified lines similar for men. One of main streets within the Marine Corps Women's Reserve School area was named "Virginia Dare" in honor of the first white child born of English parentage in the New World, and another thoroughfare was named "Lucy Brewer", so-called because of a mythical first Women Marine, whom it is said, attired herself in masculine clothes, and served on board the renowned CONSTITUTION during the War of 1812.

In August 1943, Major Streeter attended the first graduation ceremonies of the first women officer candidates who received their commissions. Women Marines proved their value to the Marine Corps by participating in almost every type of Marine study and job except actual combat. In the latter days of the war, the WRs served in Hawaii.

Kegro Merines - Approximately 18000 negroes were trained at Camp Lejeune, the Marine Corps' only recruit depot for negroes. World War II was the first conflict in which there were negro Marines. For the first time in history of amphibious invasions, the colored race participated in the South Pacific landings and campaigns. When Japanese troops staged a desperate counter-attack on American positions during the bloody struggle for Saipan, it is said that about a dozen Negro Marines

who had been ordered into the defense lines of the 4th Marine Division, advanced bravely against the enemy, despite intense rifle, machine gun, mortar and artillery fire, and killed about 15 Japs, and assisted in checking the counter-attack. The Negro Marines fought on Guadalcanal, Bougainville, New Georgia, the Russell and Mariana Islands, and their courage under fire spoke well for their military training received at Camp Lejeune. Man y preferred to become stewards, and by June 1943, a Stewards Branch Battalion was activated to train cooks, butchers, stewards and waiters for Marine Corps messes in all parts of the world. The 51st and 52nd Explanament Battalions were activated in 1943 at Montford Point, Camp Lejeune, and were sent out to the south Pacific area in 1944.

War Dogs - The Civilian Conservation Corps Camp (Camp Knox) at Camp Lejeune was converted into a war dog training camp in July 1942, and in January 1943, the Marine Corps War Dog Training School was activated, under the direction of Captain Jackson H. Boyd, of Southern Pines, North Carolina; Captain Boyd had been a fox hunter, a sportsman of national fame, and a former Army officer during World War I. The best modern kennels and equipment possible were used in the war dog training camp. Strict care was exercised in the selection of applicants; official records were kept for each canine, with daily reports on aptitudesa and progress. For several days, the dog recruits were isolated until complete physical examinations had been made, and upon completion, the dogs were

turned over to their trainers. Like all good Larines, they were taught principally to obey orders, which training required patience, persuasion and firmness. These canine Marine Devil dogs proved their values as aides to the fighting Marines in the Pacific. For the first time in American history, a trained war dog unit landed with Marines on Bougainville, and lived up to the Marine Corps motto "Sepmer Fidelis". More than 450 dogs, mostly Doberman Pinschers, were trained at Camp Lejeune and about 1,048 processed.

Dutch Marines - In December 1944, the Royal Netherlands Marines (the 279-year-old military organization) arrived at Camp Lejeune. Because of their Mazi-held homeland, they were unable to drill and train during World War II. In accordance with the Lend-Lease Act, the United States Marine Corps assumed the training of the Dutch Marines. They were organized from members of the old Metherlands Marine Corps, the Netherlands Army in the Indies, air units of the Dutch Army and Mavy, and recruits from liberated Holland. They wore uniforms like those worn by the United States Marines, but they had their own insignia featuring a standing lion surmounted with a crown. Their shoulder blaze was a simple curved oblong patch with the words "Netherlands Marines". Their traditional motto was "Je Maintiendrai", or "I shall maintain."

<u>Hiscellaneous Harine Corps Training - At Courthouse</u>
were Bay, landing craft and lighters/used in river traffic, and a barrage balloon school was operated. Para-marines were also trained here until the Corps discontinued parachute troops. Glider training was planned but was never consummated. An amphibian tractor-tank base was of outstanding importance. A large "mockup" built to resemble the side of a transport. with cargo nets along its side, enabled the Marines to learn how to scramble rapidly from a ship, fully equipped with weapons and amounition. Anti-aircraft units were trained at Camp Lejeune, as were infantry companies, artillery groups, anti-tank outfits, motor transport organizations, armed scouting units, engineer battalions, sabotage and demolition specialists, and raider battalions - in fact, every kind of training for a complete Marine Division. With every branch of modern warfare represented in its framework, the Fleet Marine Force, not only trained its Camp Lejeune Marines for invasions but also for guerilla warfare, and hand-to-hand combat.

Conslusion - The end of World War II found Camp Lejeune with a population of about 31,000, consisting of male and female Marines, Negro Marines and a Detachment of Netherlands Marines. The immediate effect of the war's end was to remove the emphasis from intensive training program, and to direct the main effort toward processing the personnel for discharge. The Redistribution Battalion, activated on 12 August 1945, had

the mission of performing the medical and dental screening, and effecting the discharge of eligible personnel. On 14 September, the Redistribution Battalion was redesignated the Redistribution Battalion, Redistribution and Replacement Regiment, Camp Lejeune, and finally on 1 December, the designation of the regiment was changed to Separation and Replacement Regiment.

The Women's Reserve Separation Company, activated 1 October 1945, effected separation from the Marine Corps for
Women Reserves from Camp Lejeune, Parris Island, Cherry Point,
and some 1,435 women from West Coast stations as well.

The Netherlands Marine Unit in training at Camp Davis, Holly Ridge, North Carolina, under the supervision of the Commanding General, Marine Training Command at Camp Lejeune, completed their training the latter part of November, and by 26 December 1945, the Dutch Marines had concluded their evacuation of Camp Davis.

On 6 December 1945, the War Dog Training and Administrative Headquarters was disbanded, and the personnel transferred to the War Dog Training School.

Effective 1 April 1946, North Carolina Highway number 172 was opened to transient traffic through the Marine Corps reservation as the result of an agreement between the Bureau of Yards and Docks, U.S.Navy, the Commanding General of Camp Lejeune, and the North Carolina State Highway Department, whereby the state of North Carolina assumed responsibility for the

operation and maintenance of the Snead's Ferry Bridge.

NPL-47-2-12

National Priorities List

Stands 36.74

Superfund hazardous waste site listed under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as amended in 1986.

CAMP LEJEUNE MARINE CORPS BASE Onslow County, North Carolina

Lant Piv

Camp Lejeune, a U.S. Marine Corps Base established in 1941, covers 170 square miles in Onslow County, North Carolina. The complex has a number of facilities, including the Marine Corps Air Station New River, which adjoins the base. The main function of the complex is training. ABC One Hour Cleaners in nearby Jacksonville is also being proposed for the NPL in June 1988.

The Navy has identified 76 potential waste disposal areas in Camp Lejeune and designated 22 as posing a potential threat to public health and the environment. The NPL site is "Site #21, Lot #140," a 220- bv 890-foot area where pesticides were mixed and application equipment cleaned. During 1950-51, transformer oil was dumped in an 8-foot-deep pit on the lot. The Navy has detected pesticides, including DDT, DDE, and aldrin in soil from Site #21.

Ground water at the base is shallow (10 feet) and subsurface formations permeable, conditions that facilitate movement of contaminants into ground water. An estimated 13,800 people obtain their drinking water from wells within 3 miles of Site #21, the nearest one 1,400 feet away.

Camp Lejeune is participating in the Installation Restoration Program, the specially funded program established in 1978 under which the Department of Defense has been identifying and evaluating its past hazardous waste sites and controlling the migration of hazardous contaminants from these sites. The Navy has completed Phase I (records search). Phase II (hydrogeologic investigation) is under way.

End (1)

		378
Camp heigur	IL MUTNE	Corps: Past Camp Lejeune, Site # 21
ocation: Ons	low County, North	n Carolina
PA Region: IV,	Atlanta, Georgia	1
erson(s) in charge of the facility: _	Col. Tom Dalze	:11
-	Asst. Chief of	Staff, Facilities
ame of Reviewer:Andrew_]	Puffer	11/18/86
leneral description of the facility:		
for example: landfill, surface imp icility: contamination route of ma	coundment, pile, container; sor concern; types of inform	types of hazardous substances; location of the
icility; contamination routs of ma	or concern; types of inform	nation needed for rating; agency action, etc.)
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FIGURE 1 HRS COVER SHEET

OA 6/18/87 Fred Fred Fred

	Ground Water Route Work Shee				
Rating Factor	Assigned Value (Circle One):	Multi- plier	Score	Max. Score	Ref (Section)
1 Observed Release	(6) 45	1	0	45	3.1
	given a score of 45, proceed to line [4]. given a score of 0, proceed to line [2].				
Route Characteristics Depth to Aquifer of	0 1 2 3	2	6	6	3.2
Concern Net Precipitation Permeability of the	0 1 ② 3 0 1 ② 3	1	2 2	3 3	
Unsaturated Zone Physical State	0 1 2 3	1	3	3	
	Total Route Characteristics Score		13	15	
Containment	0 1 2 3	1	3	3	3.3
Waste Characteristics Toxicity/Persistence Hazardous Waste Quantity	0 3 6 9 12 15 18 0 ① 2 3 4 5 6 7 8	1 1	18 1	18	3.4
	Total Waste Characteristics Score		19	26	
Targets Ground Water Use Distance to Nearest Well/Population Served	0 1 2 3 0 4 6 8 10 12 18 18 20 24 30 32 35 49	3	9 40	9 40	3.5
If line 1 is 45, mult	Total Targets Score		49	49	
If line 1 is 0, multip	Hy 27 x 30 x 4 x 5		<u> </u>	57.330	
7 Divide line 6 by 57.	330 and multiply by 100	Sgw	63	. 33	

FIGURE 2
GROUND WATER ROUTE WORK SHEET

QA 6/18/87 Fred Price

		Surface Water Route Work Shee	ıt	- <u>, - ,</u>		
	Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)
o	Observed Release	(9) 45	1	0	45	4.1
		given a value of 45, proceed to line 4. given a value of 0, proceed to line 2.				
2	Route Characteristics Facility Slope and It Terrain		1	0	3	4.2
	1-yr, 24-hr. Rainfall Distance to Nearest Water	0 1 2 3 : Surface 0 1 2 3	1 2	3 4	3 6	
	Physical State	0 1 2 3	1	3	3	
		Total Route Characteristics Score	_	10	15	
3	Containment	0 1 2 3	1	3	3	4.3
4	Waste Characteristics Toxicity/Persistenc Hazardous Waste Quantity		1	18	18 8	4.4
	· 	Total Waste Characteristics Score		19	26	
3	Targets Surface Water Use Distance to a Sensi Environment	0 1 2 3 httve 0 1 2 3	3 2	6 2	9	4.5
	Population Served / I to Water Intake Downstream	Distance 0 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40	
		Total Targets Score		8	55	
ত্ত		Hiply 1 x 4 x 5 sply 2 x 3 x 4 x 5		4560	64.350	
	Divide tine 6 by 6	4,350 and multiply by 100	5 _{3w} -	7.0)9	

FIGURE 7
SURFACE WATER ROUTE WORK SHEET

GA 6/13/87 min

NOT RATED

		7	Air Ro	oute Work Shee)t			
	Rating Factor			ned Value ie Onei	Multi- pher	Score	Max Score	Ref Section
1	Observed Release		•	45	1		45	5 1
	Date and Location	:						
	Sampling Protocol	:		_				
			0. Enter on line					
2	Waste Characterist Reactivity and	tics	0 1	2 3	. 1		3	5.2
	Incompatibility		•	/				
	Toxicity Hazardous Waste Ouantity		0 1 3		7 8 1		8	
	•							
			Total Waste Ci	haracteristics 3	çore		20	
3	Targeta							5.3
	Population Within 4-Mile Radius		21 24 2	2 15 18			30	
	Distance to Sensi	tive	0 1		2		6	
	Environment							
	Land Use		0 1 3	2 3	1		3	
					·			
							\	
			Total T	argets Score			39	
1	Multiply 1 x 2						35,100	

FIGURE 9
AIR ROUTE WORK SHEET

QA 6/18/87 Fred Price

	s	\$2
Groundwater Route Score (Sgw)	63.33	4010.69
Surface Water Route Score (S _{SW})	7.09	50.27
Air Route Score (Sa)		-6
8 _{gw} + 8 _{sw} + 8 _s		4060.96
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_s^2}$		63.73
$\sqrt{8_{gw}^2 + 8_{sw}^2 + 8_{s}^2} / 1.73 = 8_{M} =$		36.84

FIGURE 10 WORKSHEET FOR COMPUTING S_M

9A 87 July Price

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DOCUMENTATION RECORDS FOR HAZARD RANKING SYSTEM

	Comp le Lune Marine Corps Base- MARINE CORPE BASE, CAMP LEJEUNE, SITE # 21	
FACILITY NAME:	MARINE CORPS BASE, CAMP LEJEUNE, SITE # 21	
LOCATION:	Onslow County, North Carolina	

GA 6/18/87 Ful Price

GROUND WATER ROUTE

1. OBSERVED RELEASE
Contaminants detected (5 maximum):

No Supporting Data.

Rationale for attributing the contaminants to the facility:

2. ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifer(s) of concern:

The aquifers of concern are the water table aquifer (Upper Sandy aquifer) and the Castle Hayne Limestone Aquifer (refs. 1A & 2B, pp 5-7 thru 5-15). The water table aquifer lies approximately 10 feet below the surface (ref. 2B, p. 5-13) and ranges in thickness from about 20 feet in northwestern Onslow County to around 80 feet in the eastern part (ref. 1A, pp 242 & 251). This aquifer consists of sand, silt, limestone, and small amounts of clay (ref. 2B, p 5-13). The water table aquifer is underlain by the Castle Hayne Limestone (ref. 1A, pp 242 & 251) which varies in thickness from approximately 100 feet to more than 200 feet and consists of shell, limestone, marl, calcareous sand and clay (ref. 2B, pp 5-7). Logs from base wells indicate that confining beds within the strata are discontinuous therefore making the Castle Hayne Limestone only semi-confined with no continuous confining layers preventing groundwater flow between the two aquifers (refs. 2A and 2B, pp. 5-13 & 5-14). Groundwater in the aquifer beneath the Castle Hayne Limestone is usually brackish (refs. 1A, pp 242 & 251, and 2B, p 5-11).

Depth(s) from the ground surface to the highest seasonal level of the saturated zone [water table(s)] of the aquifer of concern:

Eleven feet and six inches (ref. 2A, well HP-609).

Depth from the ground surface to the lowest point of waste disposal/storage:

Soil contamination was detected at 2 feet below the surface (ref. 5A, samples 21S2C, 21S3C, 21S4C).

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Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal): 56.0 inches (ref. 6A).

Mean annual lake or seasonal evaporation (list months for seasonal):
41.7 inches (ref. 6A).

Net precipitation (subtract the above figures):

14.3 inches

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Sand, silt, limestone and small amounts of clay (ref. 2B, p 5-13).

Permeability associated with soil type:

 10^{-3} to 10^{-5} cm/sec (ref. 7).

Physical State

Physical state of substance at time of disposal (or at present time for generated gases):

Liquid (ref. 2B, pp 2-7 & 6-48).

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3. CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Soil contamination (refs. 5A & 3, p 2-26 & Table 2-8): Evaluated as uncovered, unstablized waste piles with no liner.

Matrix Score (refs. 7 & 8)

Method with highest score:

Soil contamination (ref. 7).

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

		These compounds were detected
1. DDT	18	in soil samples taken from the
2. DDE	18	site (refs. 5A & 3, p. 2-26 a
3. DDD	18	Table 2-8). This site is
4. Aldrin	18	reported to have been used for
5. Heptachlor	18	mixing pesticides and washing
		pesticide application equipme
		(ref. 2B, p. 6-48).

Compound with highest score:

DDT, DDE, DDD, aldrin, and heptachlor (refs. 7 & 8).

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

Soil contamination was detected on site (refs. 5A & 3, p 2-26 & Table 2-8); however, waste quantity as deposited is unknown. A waste quantity of 1 is assigned (ref. 7).

Basis of estimating and/or computing waste quantity:

NA

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5. TARGETS

Ground Water Use

Use(s) of aguifer(s) of concern within a 3-mile radius of the facility:

The 35 wells supplying the Hadnot Point Water Distribution System are all screened in the Castle Hayne Limstone (ref. 1A, pp 245 -250). Thirty of the these wells are local within 3 miles of site # 21 (ref. 1A, p 252). Since this system cannot be replaced by the other Camp Lejuene water systems (ref. 1B), there is no alternate unthreatenes supply available.

Distance to Nearest Well

Location of nearest well drawing from <u>aquifer of concern</u> or occupied building not served by a public water supply:

Water supply well #602 (refs. IA, p 252, 5A, & 5B).

Distance to above well or building:

1500 feet (refs. 5A & 5B).

Population Served by Ground Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from <u>aquifer(s)</u> of concern within a 3-mile radius and populations served by each:

The Hadnot Point Water Distribution System consists of 35 wells serving approximately half the Camp Lejeune Base population of 41,250 (ref. 1C). Conservatively assuming 40% of the base population uses this distribution system (ref. 1A says "almost half" and ref. 1C says "at least half") 16,500 people use water from the Hadnot Point distribution system.

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

None identified

Total population served by ground water within a 3-mile radius:

16,500 people

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SURFACE WATER ROUTE

1. OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 max.):

No Supporting Data

Rationale for attributing the contaminants to the facility:

2. ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

Less than 1% (ref. 5B).

Name/description of nearest downslope surface water:

Bearhead Creek, which receives site runoff via a railroad drainage ditch (ref. 2B, pp 6-49 & 6-50), flows westwardly into Wallace Creek (ref. 5B).

Average slope of terrain between facility and above-cited surface water body in percent:

Less than 1% (ref. 5B).

Is the facility located either totally or partially in surface water?

No (ref. 5B).

GA 6/18/87 Fred Price Is the facilty completely surrounded by areas of higher elevation?

No (ref. 5B).

1-Year 24-Hour Rainfall in Inches

3.75 inches (ref. 6B).

Distance to Nearest Downslope Surface Water

3000 feet via site drainage ditch (ref. 5B).

Physical State of Waste

Liquid (ref. 2B, pp 2-7 & 6-48).

3 CONTAINMENT

Containment

Method(s) of waste or leachate contamiment evaluated:

Site # 21 is a lot with no dikes, trenches, etc. to contain surface runoff (ref. 4). There is a drainage ditch adjacent to the site that discharges into Bearhead Creek (ref. 2B, pp 6-49 & 6-50). The soil contamination at the site (refs. 5A & 3, p 2-26 & Table 2-8) is evaluated as uncovered, unconsolidated waste piles with no diversion or containment structures.

Method with highest score:

Contaminated soil (ref. 7).

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4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s)~evaluated:	Matrix	Score	(refs.	7 &	8)

		These compounds were detected
1. DDT	18	in soil samples taken from the
2. DDE	18	site (refs. 5A, & 3, p. 2-26
3. DDD	18	Table 2-8). This site is
4. Aldrin	18	reported to have been used for
5. Heptachlor	18	mixing pesticides and washing
		pesticide application equipme
		(ref. 2B, p. 6-48).

Compound with highest score:

DDT, DDE, DDD, aldrin, and heptachlor (refs. 7 & 8).

Hazardous Waste Quantity

Soil contamination was detected on site (refs. 5A & 3, p 2-26 & Table 2-8); however, waste quantity as deposited is unknown. A waste quantity of 1 is assigned (ref. 7).

Basis of estimating and/or computing waste quantity:

NA

5 TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

Recreational - Wallace Creek which is approximately 8000 feet downstream of the site (ref. 5B) is used for fishing (ref. 4).

GA 6/18/87 Fred Price Is there tidal influence?

Wallace Creek is over 17 miles upstream from the New River Inlet (ref. 2B, p 5-12), and no tidal influence is identified (ref. 2B, p 5-11).

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

None identified (ref. 5B).

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less;
3000 feet to marshland around Bearhead Creek (ref. 5B).

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

A critcal habitat for the federally endangered red-cockaded woodpecker is within 1 mile of the site (ref. 2B, pp 5-21 thru 5-25).

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

None identified (refs. 1A, p 241, 2B, p 5-12, & 4).

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Computation of	land area	irrigated by	above-cited	intake(s)	and conversion
to population	(1.5 people	e per acre):			

NA

Total population served:

NA

Name/description of nearest of above water bodies:

NA

Distance to above-cited intakes, measured in stream miles.

NA

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AIR ROUTE

1. OBSERVED RELEASE
Contaminents detected:
No Supporting Data.
Date and location of detection of contaminants:
Methods used to detect the contaminants:
Rationale for attributing the contaminants to the site:

2. WASTE CHARACTERISTICS
Reactivity and Incompatibility
Most reactive compound:
Most incompatible pair of compounds:

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MARINE CORPS BASE, CAMP LEJEUNE, SITE # 21 BIBLIOGRAPHY

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- B. Alexander, Robert. 1986. Personal Communication. Base Environmental Coordinator, Marine Corps Base Camp Lejeune, North Carolina.
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- A. Driller's Logs for Camp Lejeune wells HP-608, HP-609, T-2, and T-5.
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Reference #4: Surface Water Information

Alexander, Robert. 1986. Personal Communication. Base Environmental Coordinator, Marine Corps Base Camp Lejeune, North Carolina.

Reference #5:

- A. Analytical Data Summary Table, Personal Communication with Robert Alexander, USMC Camp Lejeune, 1987, and map showing Site # 21 sampling locations.
- B. Water supply well locations. Plotted on U.S.G.S. Camp Lejeune, North Carolina, Quadrangle Map, 1952.

Reference #6: Precipitation Data

- A. U.S. Department of Commerce, 1979. Climatic Atlas of the United States, National Climatic Center, Asheville, North Carolina.
- B. U.S. Department of Commerce, 1979. Rainfall Frequency Atlas of the United States, Technical Paper #40. U.S. Government Printing Office, Washington, D.C.

Reference #7:

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Reference #8:

Sax, N.I., <u>Dangerous Properties of Industrial Materials</u>, Sixth Edition Van Nostrand Reinhold, New York, 1984.

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