8 DEC 1987

ANGSC/DEV/!H. Loman/0194c P1-3/871203/sid!

Initiation of Installation Restoration Program Preliminary Assessment, 128TFW Truax Field, Madison, WI.

TAG Wisconsin

1. Request the participation and assistance of the 128TFW in performance of the subject effort. The Installation Restoration Program (IRP) was established by DOD to identify, evaluate, and clean up (where required) past hazardous materials/hazardous waste (HM/HW) disposal and/or spill sites at DOD installations. The preliminary assessment (PA) phase of the IRP is designed to identify potential HM/HW sites via collecting historical data, site surveying, and conducting interviews with present and former Base personnel. The success of the IRP is predicated upon the total disclosure of all past activities that could have possibly contributed to contamination that would pose a threat to human health and/or the environment.

2. We must insure that all sites where hazardous materials may have been disposed are identified. The consultants will review the data obtained in the interviews and records search and determine if field investigations are required. Past experience has indicated that units have not been totally open and in some cases may have restricted information about disposal practices. This could have occurred because people did not know how their superiors would react or what the impact might be on public affairs and legal issues. Most of those disposal practices were considered appropriate when they occurred but now new information and laws make them no longer acceptable. Experience has shown that concealing or not volunteering information results in both bad public affairs and extra costs. Our approach should be one of identifying the problems and proceeding with any necessary actions to provide solutions.

3. The 128th Commander needs to make clear to the participants the importance of identifying all the disposal sites so that action can be taken to deal with them. He also needs to assure that people will not be penalized for past actions that were acceptable at the time.

4. If interviewees withhold information and hazardous waste sites are missed, only to be identified at a later date, credibility problems, report delays, and added costs will result.

5. Current environmental laws and NGB policy require that the entire process be conducted in an open atmosphere. This necessitates Congressional drops at each stage of the process and local news releases to keep the public informed. The public, congressional staff and news media can become concerned with the IRP process very quickly. Often they will read a report that they do not understand and release an inaccurate story. We need to do our best to explain the data to them before this happens so that the stories are true portrayals of the findings. Many of our problems such as POL storage areas, solvent

	istaciory environmental coluintus to any pollution that may nave peen sed in the pust, ever incush the practices resulting in the pollution wer in Vielation of unvironmental lass or accepted practices. We should als prepared to conure people that these practices are no longer occurring.
kante kante	ANG is reveloping a branch, ANGSC/DEN, to senage this program. We inten nave engineers, colestists, public affairs and medical personnel in the ach. We will manage the technical portion of the program and assist in t lic affairs. Until this branch is active, in January or Rebruary 1988, ase contact NUM/PA, Kaj Foster AV 225-3456 to assist you with Public airs problems. Please coordinate all public affairs activey with Num.
10	The NGB has chosen the FEBR Consultants, T.C., to conduct the PA for TFW. FBDE personnel plan to begin their affort on Nooday, 18 Jan 82. Th lowing information should be assembled by the Base, if possible, before A strives:
	a. Base Mistory and Strain
	h. Copies of existing Jochmentation which summarizes MM/NH disposal/spi sites which have already been identified or which are suspected to have occurred.
	 C. Haps as follows: C. Docal Area Hap C. Docal Area Hap C. Contail Sewe Map Copographic Contain Hap of Nase Copographic Contain Hap of Nase Copographic Separator and POL Storage Tauk Inventory/Naps Contain Ste Location Maps Landfill/Burin Ste Location Maps Landfill/Burin Ste Location Maps
	d. forrent and/st nistorical derial phototratic of the Base
	e. Jaformetion reisted to groundwater supply and/or monitoring wells an borings such as evert locations, logs of subsurface materials, water an soil analytical resulte, wich
* % }; ;;	f. Any standard operation procedures (SOF e) for wastewater treatest
	senitary landiilis, primare disposel, or any others pertaining to the Loudiing of 200000000, SPUC Fians, Gerardone Gaste Generat Flan.
	g. Tire tepartnent Spill Response Log and/or other records Tocumenting wigneficant foel and/or contantnaut spills.
	3. Estimatental moustories results. (luches: amhlent, source, substauxe and/or process wontsoring, as defined in ANGR 19-7).
	1. Completel water fist and Hatery of MY/NW diaposal actions by Andustrial shops with cospective chemical use inventories. (Son generic

disposal method is not listed, insert applicable information on the form.

j. Base Reports on use of Herbicides/Pesticides/Fertilizers.

k. List of present and former Base personnel, who will be made available during the Site Visit. This list should include personnel positions, titles, phone numbers, number of years at the base, and general areas of expertise.

1. Information describing Base Fire Training activities, including: location, physical description, age, frequency of training exercises per year, types of flammables burned in the past and present, and average quantity of flammables burned per exercise.

m. Information regarding bulk fuel storage systems, to include: age of tanks, inventory monitoring records, tank repair or replacement records and their reasons, fuel offloading and dispensing equipment, information regarding underground piping systems, and description of cathodic protection, if present.

n. Any documentation related to past, or present, interest by Federal, State, or Local Health or Environmental Regulatory Agencies, or Utility Agencies, on Base environmental, health or safety conditions.

c. Base and/or Host Airport Master Plan or Environmental Assessments and/or Impact Statements.

p. Any other documents pertaining to HM/HW.

8. If you have any further questions, please call Mr. Hank Lowman Project Officer, 858-4048 or SMSgt James L. Craig, Jr., Assistant Project Officer, 858-3443.

FOR THE CHIEF, NATIONAL CUARD BUREAU



LEROY W. LAQUSEHOLDER, Chief Environmental Protection Branch Engineering & Services Division l Atch Inventory of HM/HW

cc: 128TFW/CC 128TFW/DE

STAF	F COORDINATIO)N

INVENTORY OF HAZARDOUS MATERIALS/HAZARDOUS WASTES BY SHOPS AIR NATIONAL GUARD BASE

DATE:_____

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	SHOP AND BUILDING NO.	WA	POSSIBLE STE MATERIALS	QUANTITY GAL/YR	METHODS OF TREATMENT, STORAGE AN DISPOSAL IN CHRONOLOGICAL ORDER				
					19	19	19	Present	
Α.	AIRCRAFT MAINTENANCE	١.	PD-680 (Solvent)						
		2.	Trichloroethane						
		3.	Battery Acid						
1		4.	Carbon Cleaner						
		5.	Strippers (MEK, MIK)						
1		6.	Synthetic Turbine Oil						
1		7.	JP-4 Jet Fuel						
1		8.	Sulfuric Acid						
		9.	Xvlene				1		
		10.	Sodium Hydroxide						
		11.	PS-661 Solvent			1	1		
		12.	Acetic Acid		1	1	1	· · · · · · · · · · · · · · · · · · ·	
		13.	Potassium Hydroxide	· · · · · · · · · · · · · · · · · · ·	1	1	1	1	
		14.	Zyglo Emulsifier						
		15.	Mineral Oils		,				
1		16.	7808 Oil						
		17.	Mercury						
ļ		18.	Hydraulic Oil						
		19.	Engine Oil						
		20.	AVGAS						
		21.	Varsol						
1		22.	Cleaning Compound						
1		23.	Monomethy) Hydrazine		1	1			
1		24	Other		1		1		
					1	1	1		
1					1	1	1		
					+	1	ł		
1					+	1	<u> </u>		
		}			+	1	1		
		L		L		I			

ACRONYMS: SAN - Disposed of in drains leading to sanitary sewer STRM - Disposed of in drains leading to storm sewer FTA - Disposed of at Fire Training Area DRMO - Disposed of through DRMO NEUT SAN - Neutralized and disposed of through sanitary sewer

INVENTORY OF HAZARDOUS MATERIALS/HAZARDOUS WASTES BY SHOPS (Continued)

	SHOP AND BUILDING NO.	POSSIBLE WASTE MATERIALS	QUANTITY GAL/YR	METHODS OF TREATMENT, STORAGE AND DISPOSAL IN CHRONOLOGICAL ORDER				
					19		Present	
8.	AEROSPACE GROUND	1. Engine Oil						
	EQUIPMENT MAINTENANCE	2. Hydraulic Oil						
1	(AGE)	3. Paint Strippers/					1	
1		Thinners						
		4. JP-4	1					
		5, PD-680						
		6. Parts Cleaner						
		7. Turbine Oil					1	
{		8. Motor Oil						
		9. Gasoline						
1		10. Battery Acid						
		11. Aircraft Cleaning						
1		Compound						
		12. MEK						
		13. Lubrication Oil					<u> </u>	
1		14. 7808 0il						
ļ		15. Trichloroethylene (TCE)						
1		16. Trichloroethane						
1		17. Varsol					L	
{		18. Other						
}								
ł								
1		4						
C.	VEHICLE MAINTENANCE	1. Engine Oil						
1	(MOTOR POOL)	2. PD-680						
[3. Sulfuric Acid						
[4. JP-4						
		5. Ethylene Glycol						
		6. Lubricating 011						
		7. Hydraulic Oil						
ľ		8. Transmission Fluid	•				1	
1		9. Motor Oil						
1		10. Paint Thinner						
1		11. Brake Fluid						
}		12. Diesel Fuel						
1							}	

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EHICLE MAINTENANCE MOTOR POOL) (Cont.)	13. 14. 15. 16.	Hydrochloric Acid Grease (Bearing) Varsol Other		19	19	19	Present
EHICLE MAINTENANCE MOTOR POOL) (Cont.)	<u>13.</u> 14. 15. 16.	Hydrochloric Acid Grease (Bearing) Varsol Other					
MOTOR POOL) (Cont.)	14. 15. 16.	Grease (Bearing) Varsol Other					
	15.	Varsol Other			1		
	16.	Other				1	
							1
		•					
							,
			<u> </u>			+	<u> </u>
							<u> </u>
	+		+				+
ULLS MANAGEMENT	1.	Norting Dil	1,		-+	+	+
I) LIQUID FULLS	12.	Sulfuric Acid	+			+	+
	<u> </u>	AVGAS				+	+
	5	MOGAS	+	+		+	+
	6.	Tank Cleaning Sludge	1			+	+
	7.	7808 011				1	1
	8.	Diesel	1			1	
	9.	Anoline				1	1
	10.	Other			•		1
						4	ļ
	<u> </u>		 				<u> </u>
AN ACCTOUCTING	+	Mathul Cthul Katana				+	<u> </u>
NSPECTION (NDI)	<u> </u>	(MEK)					
	2.	Methy] Isobuty] Ketone (MIK)					
	3.	Penetrant	·····			1	ł
	4.	Emulsifier	·			1	1
	5.	Developer			1	1	1
	6.	Fixer				1	
	7.	Napthalene	1				
	8.	TCE					
	9.	Perchloroethylene					
	10.	PD-680	· · · · · · · · · · · · · · · · · · ·				
	<u>p.</u>	Kerosene	ļ			4	ļ
	p2.	Other				4	
			.				
		•					
						+	
	N-DESTRUCTIVE SPECTION (NDI)	N-DESTRUCTIVE 1. SPECTION (NDI) 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	N-DESTRUCTIVE SPECTION (NDI) 2. Methyl Ethyl Ketone (MEK) 3. Penetrant 4. Emulsifier 5. Developer 6. Fixer 7. Napthalene 8. TCE 9. Perchloroethylene 10. PD-680 11. Kerosene 12. Other	N-DESTRUCTIVE SPECTION (NDI) 2. Methyl Ethyl Ketone (MEK) 3. Penetrant 4. Emulsifier 5. Developer 6. Fixer 7. Napthalene 8. TCE 9. Perchloroethylene 10. PD-680 11. Kerosene 12. Other	N-DESTRUCTIVE SPECTION (NDI) 1. Methyl Ethyl Ketone (MEK) 2. Methyl Isobutyl Ketone (MIK) 3. Penetrant 4. Emulsifier 5. Developer 6. Fixer 7. Napthalene 8. TCE 9. Perchloroethylene 10. PD-680 11. Kerosene 12. Other	N-DESTRUCTIVE SPECTION (NDI) 1. Methyl Ethyl Ketone (MEK) 2. Methyl Isobutyl Ketone (MIK) 3. Penetrant 4. Emulsifier 5. Developer 6. Fixer 7. Napthalene 8. TCE 9. Perchloroethylene 10. PD-680 11. Kerosene 12. Other	N-DESTRUCTIVE 1. Methyl Ethyl Ketone SPECTION (NDI) 1. Methyl Isobutyl Ketone (MEK) 2. Methyl Isobutyl Ketone 3. Penetrant 4. Emulsifier 5. Developer 5. Developer 6. Fixer 7. Napthalene 9. Perchloroethylene 1. Kerosene 10. PD-680 1. Kerosene 11. Kerosene 1. Kerosene

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SHOP AND Building No.			POSSIBLE STE MATERIALS	QUANTITY · GAL/YR	METHODS OF TREATMENT, STORAGE AND DISPOSAL IN CHRONOLOGICAL ORDER				
	WEAPONS MAINTENANCE				19	19	19	Present	
F.	WEAPONS MAINTENANCE	1.	Bluing Salts						
[(1) MUNITIONS STORAGE	2.	Rifle Bore Cleaning						
1		3.	Dry Cleaning Solvent						
1		4.	<u>Waste Paint</u>			<u> </u>			
1		5.	Thinners/Lacquers				1		
1		6.	TCE						
		7.	MEK						
		8.	PD-680						
		9.	Toluene						
1		10.	Casing & Propellent				{		
			Incinerator Ash						
		\mathbb{N} .	Other						
1									
]									
ļ									
			[
G.	CORROSION CONTROL	1.	Solvents/PD-680			1			
{		2.	Thinners						
		3.	Paint Strippers						
1		4.	JP-4	1					
1		5.	TCE						
1		6.	Hydraulic Fluid						
1		7.	Dimethyl Foramide						
]		8.	Lacquer						
ł		9.	Aliphatic Naptha						
1		10.	Acids						
		11.	Carbon Cleaner						
		12.	Other						
							1		
				11					
							T T		
l									
Ы.	PAINT SHOPS	1.	Solvents						
]		2.	Thinners	•					
		3.	Methanol						
		4.	Paint Containers						
			(Residual)						
}		5.	Acetone						
		6.	Strippers (MEK)				1		
1		7.	Stripper Residue			1	1		

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BUILDING NO.	* POSSIBLE WASTE MATERIALS		QUANTITY GAL/YR	METHODS OF TREATMENT, STORAGE AND DISPOSAL IN CHRONOLOGICAL ORDER				
PAINT SHOPS (Cont.)	B	Spray Booth Waste-			1 12		<u>rresent</u>	
	1.	water	{	4				
	9.	Other					1	
						1	1	
		······	· · · · · · · · · · · · · · · · · · ·			1	1	
						1	1	
. ENTOMOLOGY	1.	Motor Oil						
(1) ROADS AND GROUNDS	2.	Engine Oil				ļ		
	3.	Sulfuric Acid				J		
	4.	Pesticides				<u> </u>	<u> </u>	
	5.	Empty Pesticide			1	1		
		Containers						
	0.	Kinsewater						
	1.	Other				·		
	J							
	}	·						
						<u> </u>		
		· · · · · · · · · · · · · · · · · · ·						
IOTE: List of types of pesti	cide	s, if any.						
OTE: List of types of pesti	cide:	s, if any. Boiler Feedwater						
OTE: List of types of pesti	cide:	s, if any. Boiler Feedwater Treatment						
IOTE: List of types of pesti	c i de:	s, if any. Boiler Feedwater Treatment Algae & Slime						
IOTE: List of types of pesti	c ide:	s, if any. Boiler Feedwater Treatment Algae & Slime Cooling Water &						
IOTE: List of types of pesti	c ide:	s, if any. Boiler Feedwater Treatment Algae & Slime Cooling Water & Cooling Tower						
NOTE: List of types of pesti	c ide:	s, if any. Boiler Feedwater Treatment Algae & Slime Cooling Water & Cooling Tower Treatment						
NOTE: List of types of pesti	c ide:	s, if any. Boiler Feedwater Treatment Algae & Slime Cooling Water & Cooling Tower Treatment Sulfuric Acid						
IOTE: List of types of pesti	cide: 1. 2. 3. 4. 5.	s, if any. Boiler Feedwater Treatment Algae & Slime Cooling Water & Cooling Tower Treatment Sulfuric Acid Waste Oil						
IOTE: List of types of pesti	cide: 1. 2. 3. 4. 5.	s, if any. Boiler Feedwater Treatment Algae & Slime Cooling Water & Cooling Tower Treatment Sulfuric Acid Waste Oil - Bulk						
IOTE: List of types of pesti	cide: 1. 2. 3. 4. 5.	s, if any. Boiler Feedwater Treatment Algae & Slime Cooling Water & Cooling Tower Treatment Sulfuric Acid Waste Oil - Bulk - Small Jobs						
IOTE: List of types of pesti	cide: 1. 2. 3. 4. 5. 6.	s, if any. Boiler Feedwater Treatment Algae & Slime Cooling Water & Cooling Tower Treatment Sulfuric Acid Waste Oil - Bulk - Small Jobs Stack Scrubbing Sludges						
IOTE: List of types of pesti	cide: 1. 2. 3. 4. 5. 6. 7.	s, if any. Boiler Feedwater Treatment Algae & Slime Cooling Water & Cooling Tower Treatment Sulfuric Acid Waste Oil - Bulk - Small Jobs Stack Scrubbing Sludges Hydrazine			•			
IOTE: List of types of pesti	cide: 1. 2. 3. 4. 5. 6. 7. 8.	s, if any. Boiler Feedwater Treatment Algae & Slime Cooling Water & Cooling Tower Treatment Sulfuric Acid Waste Oil - Bulk - Small Jobs Stack Scrubbing Sludges Hydrazine Other			•			
NOTE: List of types of pesti	cide: 1. 2. 3. 4. 5. 6. 7. 8.	s, if any. Boiler Feedwater Treatment Algae & Slime Cooling Water & Cooling Tower Treatment Sulfuric Acid Waste Oil - Bulk - Small Jobs Stack Scrubbing Sludges Hydrazine Other			•			
NOTE: List of types of pesti	c ide: 1. 2. 3. 4. 5. 6. 7. 8.	s, if any. Boiler Feedwater Treatment Algae & Slime Cooling Water & Cooling Tower Treatment Sulfuric Acid Waste Oil - Bulk - Small Jobs Stack Scrubbing Sludges Hydrazine Other			•			
IOTE: List of types of pesti	cide: 1. 2. 3. 4. 5. 6. 7. 8.	s, if any. Boiler Feedwater Treatment Algae & Slime Cooling Water & Cooling Tower Treatment Sulfuric Acid Waste Oil - Bulk - Small Jobs Stack Scrubbing Sludges Hydrazine Other			•			

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SHOP AND Building No.	* POSSIBLE WASTE MATERIALS		QUANTITY GAL/YR	METHODS OF TREATMENT, STORAGE AND DISPOSAL IN CHRONOLOGICAL ORDER				
				19	19	Present		
. PAINT SHOPS (Cont.)	8.	Spray Booth Waste- water						
	9.	Other					1	
			T				1	
							1	
			1				1	
			+				+	
			+		-+	{	+	
ENTOMOLOGY	1	Motor Oil					1	
(1) POADS AND GROUNDS	2	Engine (11)	1				+	
	3	Sulfuric Acid					+	
	4	Pesticides	†				1	
	5	Empty Pesticide					+	
	1.	Containers		1		1		
	6	Rinsewater	1					
	7	Other	<u>+</u>				1	
	<u> </u>	other	<u> </u>				+	
	}						+	
							+	
			f					
	· •	<u>م</u>	<u>+</u>			-+	1	
DTE: List of types of pesti	icide	s, if any.						
. ENERGY PLANT	1.	Boiler Feedwater Treatment						
	2.	Algae & Slime					1	
	3.	Cooling Water &	<u>}</u>				1	
	1	Cooling Tower					1	
		Treatment				ļ		
	4.	Sulfuric Acid			1		1	
	5.	Waste 011	1				1	
		- Bulk - Small Jobs						
	6	Stack Scrubbing Sludges					1	
	7	Hydrazine	1			-1	t	
	1 tot	Other	1				1	
	0.		1				1	
	0.					1	1	
	0.					+	<u> </u>	
	<u>ð.</u>							
	0.							

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	Ì SHOP AND Building No.	W/	POSSIBLE ASTE MATERIALS	QUANTITY GAL/YR	METHODS OF TREATMENT, STORAGE AND DISPOSAL IN CHRONOLOGICAL ORDER					
r	HANCAD SDACES	-11	10_4							
^ .	NANDAR JEACES				~~ <u>+</u>			·		
		- 2 -	PD-680			-+				
		4						+		
			Thinners					1		
		-2.1	Ather					+		
			<u> </u>							
								1		
				······································						
						1		1		
ί.	MACHINE SHOP	1.	Metal Cutting Oils							
l		2.	Lubricating Oils							
ł		3.	Other							
ļ				·····				1		
								1		
								1		
Μ.	PLUMBING SHOP	1.	Cutting Oil	· · .		1	1	1		
		2.	Other							
							1			
						1		1		
N.	METAL PLATING	1.	Cadmium Solution							
		2.	Chromic Acid Solution							
		3.	Other				1			
]						1	1			
0.	ELECTRIC SHOP	1.	Acetone							
		2.	Potassium Hydroxide							
{		3.	Other							
[1			
1										
Ρ.	AIR CONDITIONING/	1.	Refrigeration Oil				1			
	REFRIGERATION	2.	Other				1			
	-			1		1	1			
0.	BATTERY SHOP	1.	Used Batteries							
		2.	Battery Acid				1			
1		3.	Other			1	1			
1							1			

INVENTORY OF HAZARDOUS MATERIALS/HAZARDOUS WASTES BY SHOPS (Continued) _________AIR NATIONAL GUARD BASE

	SHOP AND BUILDING NO.	WA	POSSIBLE STE MATERIALS	QUANTITY GAL/YR	METHODS DISPOS	OF TREAT AL IN CHR	MENT, ST <u>ONOLOGIC</u> 19	ORAGE AND AL ORDER Present
R.	PHOTO LAB	1.	Developer					
l		2.	Fixer					
		3.	Toluene					
		4.	Xylene					
		5.	NH-5 Hypoconcentrate					
		6.	ΤCE					
		7.	Other '					
						1	l	
					<u>_</u>	<u> </u>	<u> </u>	
						<u> </u>		
β.	FLIGHT SIMULATOR	1.	PD-680					_
1		2.	Hydraulic Fluid					
}		3.	Other					
			<u> </u>				l	
			1					

PLEASE ADD ANY ADDITIONAL WASTES AND CORRESPONDING SHOPS, QUANTITIES, & METHODS OF TREATMENT, STORAGE AND DISPOSAL, IN SPACES PROVIDED.

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NOTE: DEPENDING ON THE FACILITY, SOME SHOPS MAY BE COMBINED WITH OTHERS.

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