



TABLES



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Table 4-1. Summary of CERCLA Information

IRP Site ID	IRP Site Name	Dates of Operation	Historic Description	Contaminates of Concern	Current Phase of Remedial or Corrective Action
1	<i>Privet Road Compound</i>	Unknown – 1975 (waste material not completely removed until 1977)	Landfill was a transfer station that handled materials not accepted by the local municipal solid waste pick-up service prior to being disposed of off-site, or burned and/or buried on-site. Materials received include paint wastes, paint stripper and solvents, Freon, general refuse, asbestos, battery acid, sewage sludge containing heavy metals, oils and lubricants, PCBs, and mercury-contaminated dental amalgam (TtNUS 2004).	Asbestos, PCBs, and/or metals in soil, groundwater, and sediments (TtNUS 2004).	Active
2	<i>Antenna Field Landfill</i>	1948 – 1960	The primary activities consisted of trench excavation where waste material was typically burned and/or buried. Landfill reportedly received general wastes, furniture, tires, shingles, paint wastes and sewage wastes (TtNUS 2004).	Possible soil contamination.	Active
3	<i>Ninth Street Landfill</i>	1960 – 1967	Landfill that received general wastes, paint waste, asbestos, sewage sludge. In addition, a salvage yard was established where PCB-containing transformers were stored and serviced (TtNUS 2004).	PCB contamination of soil (TtNUS 2004).	Active
4	<i>North End Landfill</i>	1967 – 1969	Disposal included items not collected by routine trash pick-up, such as bulk items, sewage sludge, lubricants and oils (TtNUS 2004).	Possible contamination of soil.	NFA
5	<i>Fire Training Area</i>	1942 – 1975	Used for large-scale firefighting exercises involving disposal and burning of flammable liquids, such as solvents, paint chemicals, xylenes, toluene, various petroleum compounds, and drum storage of the materials between the burning exercises (TtNUS 2004).	VOCs contamination in groundwater and PAHs contamination of surface soils.	Active
6	<i>Abandoned Rifle Range No. 1</i>	1942 - 1965	Assumed lead from the fired rounds was mixed with soil from the rampart (TtNUS 2004).	Assumed lead contamination of soil.	NFA



Table 4-1. Summary of CERCLA Information

IRP Site ID	IRP Site Name	Dates of Operation	Historic Description	Contaminates of Concern	Current Phase of Remedial or Corrective Action
7	Abandoned Rifle Range No. 2	1965 – 1977 used as landfill after 1977	Spent ammunition and inert materials; such as clean fill; broken concrete; asphalt; cinderblocks; dry wastewater treatment sludge; emulsified oil and grease (TtNUS 2004).	Potential soil contamination.	NFA
8	Building 118- Abandoned Fuel Tank	1959 – 1980 fuel tank abandoned underground after 1980	No. 2 fuel oil observed seeping into basement of Building 118 (TtNUS 2004).	Possible contamination of soil.	NFA
9	Steam Plant Building 6 Tank Overfill	1969 – Present	No. 2 fuel oil spillage (3,000 to 5,000 gallons) in 1978 (TtNUS 2004).	Possible contamination of soil and groundwater.	NFA
10	Navy Fuel Farm	Unknown – 1991	JP-4/JP-5 fuel oil spillage onto ground in 1986 (TtNUS 2004).	Possible soil and groundwater contamination.	NFA
11	Aircraft Parking Apron	Unknown – Present	Reported odors, suspected to have resulted from a fuel spillage in the past (TtNUS 2004).	Suspected contaminated soil and groundwater.	NFA

Source: TtNUS 2004.

Notes:

PAH = Polynuclear aromatic hydrocarbons

PCBs = Polychlorinated Biphenyls

VOCs = halogenated volatile organic compounds



Table 4-2. Underground Storage Tanks at NAS JRB Willow Grove

Identification Number	Location	Capacity (gallons)	Contents	Current Use
127DIE01	Building #127	10,000	Bio-Diesel	UST – Service Station
127MOG01	Building #127	10,000	Motor Gasoline	UST – Service Station
080OWS01	Building #80	1,000	Waste Oil	UST- Oil/Water Separator
119OWS01	Building #119	350	Waste Oil	UST- Oil/Water Separator
078OWS01	Building #78	350	Waste Oil	UST – Oil/Water Separator

Source: Weston Solutions 2004.



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Table 4-3. Closed/Removed Underground Storage Tanks at NAS JRB Willow Grove

Location	Capacity (gallons)	Contents	Current Status
Building #3	2,000	#2 Fuel Oil	Removed
Building #6	30,000	#2 Fuel Oil	Removed
Building #6	30,000	2# Fuel Oil	Removed
Building #6	30,000	#2 Fuel Oil	Removed
Building #6	30,000	#2 Fuel Oil	Removed
Building #6	30,000	#2 Fuel Oil	Removed
Building #6	20,000	#2 Fuel Oil	Removed
Building #6	20,000	#2 Fuel Oil	Removed
Building #8	500	Fuel Oil	Removed
Building #8	50	Gasoline	Closed ¹
Building #15A	15,000	#2 Fuel Oil	Removed
Building #20	50	Gasoline	Removed
Building #20	13,500	Aviation Gasoline	Closed ²
Building #20	20,000	Aviation Gasoline	Closed ²
Building #20	20,000	Aviation Gasoline	Closed ²
Building #20	20,000	Aviation Gasoline	Closed ²
Building #43	500	#2 Fuel Oil	Removed
Building #78	500	#2 Fuel Oil	Removed
Building #126	500	#2 Fuel Oil	Removed
Building #164	1,000	#2 Fuel Oil	Removed
Building #176	2,500	#2 Fuel Oil	Removed
Building #176	5,000	#2 Fuel Oil	Closed ¹
Building #190	500	#2 Fuel Oil	Removed
Building #611	2,000	#2 Fuel Oil	Removed
Building #612	1,000	#2 Fuel Oil	Removed
Building #619	500	#2 Fuel Oil	Removed
Adjacent to Quarters "D" on Route #611	500	Unknown	Removed
Navy Fuel Farm Site 10	210,000	JP-4	Removed
Navy Fuel Farm Site 10	210,000	JP-5	Removed
Navy Fuel Farm Site 10	Unknown	Diesel Fuel	Removed
Navy Fuel Farm Site 10	Unknown	Waste Oil	Removed

Sources: Edmond 2006d. Edmond, Jim. 2006. Written correspondence, via email, to Laura Garrett with AMEC Earth & Environmental, Inc. pertaining to the Closed/Removed Underground Storage Tanks and abandoned wastewater system at NAS JRB Willow Grove. 22 February 2006.

Notes:

1. UST's filled in place and abandoned.
2. According to site personnel, the building was demolished in the late 1980's and it is assumed that the UST's were removed; however, documentation does not exist.



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Table 4-4. Aboveground Storage Tanks at NAS JRB Willow Grove

Identification Number	Location	Contents	Capacity (gallons)	Current Use
002DIE01	Building #2	Diesel	350	Base Mounted Generator
003DIE01	Building #3	Diesel	315	Base Mounted Generator
005DIE01	Building #5	Diesel	400	Base Mounted Generator
006DIE01	Building #6	Diesel/Fuel Oil	300	AST- Generator
006DIE02	Building #6	Diesel	300	AST- Generator
006DIE03	Building #6	Diesel	300	AST- Generator
006DIE04	Building #6	Diesel	~10	AST- Make-up Tank for Generator
006FOL01	Building #6	Fuel Oil	10,000	AST – Boiler Supply
008DIE01	Building #8	Diesel	300	AST- Generator
024DIE01	Building #24	Diesel	300	AST- Generator
024DIE02	Building #24	Diesel	150	AST- Generator
024DIE03	Building #24	Diesel	200	AST- Generator
070DIE01	Building #70	Empty	1,000	AST
078DIE01	Building #78	Diesel	300	Base Mounted Generator
080AFF01	Building #80	AFFF	1,500	AST- Fire Suppression
080AFF02	Building #80	AFFF	1,500	AST- Fire Suppression
080AFF03	Building #80	AFFF	1,500	AST- Fire Suppression
080AFF04	Building #80	AFFF	1,500	AST- Fire Suppression
080DIE01	Building #80	Diesel	300	AST- Generator
080DIE03	Building #80	Diesel	120	AST- Generator
080DIE04	Building #80	Diesel	120	AST- Generator
080DIE01	Building #80	Diesel	130	Base Mounted Generator
118DIE01	Building #118	Diesel	275	AST- Generator
126DIE01	Building #126	Diesel	500	AST- Generator
127DIE01	Building #127	Empty	2,000	AST
129LN202	Building #129	Liquid Nitrogen	1,000	AST
129LOX03	Building #129	Liquid Oxygen	1,000	AST
129LOX04	Building #129	Liquid Oxygen	2,000	AST
137DIE01	Building #137	Diesel	230	Base Mounted Generator
139DIE01	Building #139	Diesel	500	AST- Generator
139DIE02	Building #139	Diesel	75	AST- Generator
157FOL01	Building #157	No. 2 Fuel Oil	210,000	AST- Bulk Heating Supply
157KAC01	Building #157	Potassium Acetate	42,000	AST
157XXX01	Building #157	Empty	210,000	AST – Reserve Capacity
157AFF01	Building #157	AFFF	300	AST – Fire Suppression
174DIE01	Building #174	Diesel	400	Base Mounted Generator
177AFF03	Building #177	AFFF	1,600	AST – Fire Suppression
177AFF04	Building #177	AFFF	1,600	AST – Fire Suppression
180DIE01	Building #180	Diesel	315	Base Mounted Generator



Table 4-4. Aboveground Storage Tanks at NAS JRB Willow Grove

Identification Number	Location	Contents	Capacity (gallons)	Current Use
181GLY01	Building #181	Propylene Glycol	3,000	AST
181KAC01	Building #181	Potassium Acetate	3,000	AST
183AFF01	Building #183	AFFF	6,000	AST – Fire Suppression
183AFF02	Building #183	AFFF	6,000	AST – Fire Suppression
183DIE01	Building #183	Diesel	1,400– Multi-compartment	AST – Generator
183DIE02	Building #183	Diesel	350 – Multi-compartment	AST – Generator
183DIE03	Building #183	Diesel	275	AST – Generator
183DIE04	Building #183	Diesel	50	AST- Make-up Tank
190DIE01	Building #190	Diesel	275	AST – Generator
608DIE01	Building #608	Diesel	500	AST – Generator
619DIE01	Building #619	Diesel	500	AST – Generator
621DIE01	Building #621	Diesel	300	AST – Generator
633WSO01	Building #633	Waste Oil	1,000	AST
647DIE01	Building #647	Diesel	100	Base Mounted Generator
649DIE01	Building #649	Diesel	200	Base Mounted Generator
650DIE01	Building #650	Diesel	127	Base Mounted Generator
650AFF01	Building #650	AFFF	400	AST – Fire Suppression
650AFF02	Building #650	AFFF	400	AST – Fire Suppression
653DIE01	Building #653	Diesel	1,000	AST
681AFF01	Building #681	AFFF	2,500	AST – Fire Suppression
681AFF02	Building #681	AFFF	2,500	AST – Fire Suppression
681DIE01	Building #681	Diesel	150	AST – Generator
681DIE02	Building #681	Diesel	500	AST – Generator
681DIE03	Building #681	Diesel	500	AST – Generator
681DIE04	Building #681	Diesel	500	AST – Generator
681DIE05	Building #681	Diesel	500	AST – Generator
681DIE06	Building #681	Diesel	500	AST – Generator
AG1GLY01	RN (N)	Ethylene Glycol	300	AST - Arrester Gear
AG2GLY01	RN (N)	Ethylene Glycol	300	AST - Arrester Gear
AG3GLY01	RN (S)	Ethylene Glycol	300	AST - Arrester Gear
AG4GLY01	RN (S)	Ethylene Glycol	300	AST - Arrester Gear
FC-AVG01	Fly Club	AVGAS	4,000	AST - Re-Fuel Station
TC1JP801	Test Cell	JP-8	1,000	AST - Engine Test Station
TC2JP801	Test Cell	JP-8	1,000	AST - Engine Test Station
TC3JP801	Test Cell	JP-8	1,009	AST - Engine Test Station

Source: Weston Solutions 2004.



Table 4-5. Results of the Station-Wide Asbestos Survey Conducted in 1996

Location	Location Description (Building Name)	Asbestos-Containing Materials Found?
Building #1	Commanding Officer Naval Air Station Administration	Yes
Building #2	Community Services Building	Yes
Building #3	Child Development Center/Chaplains Office/Library	Yes
Building #5	BOQ	Yes
Building #6	Boiler House #1	Yes
Building #7	Public Works Storage	No
Building #8	Sewage Treatment	Yes
Building #13	Hobby Shop/Thrift Store	Yes
Building #15A	Boiler House #2	Yes
Building #15B	Electric Sub-station	Yes
Building #21	Paint Shop	Yes
Building #22	Raytheon Aerospace Warehouse	Yes
Building #24	Pump House	No
Building #29	Weapons	Yes
Building #30	Chlorinator Building	Yes
Building #31	Well House #1	No
Building #32	Well House #2	No
Building #38	Chapel	Yes
Building #39	Gate House/Security	Yes
Building #43	Recruiting	Yes
Building #49	Flight Line Inn	Yes
Building #51	Public Works Warehouse	Yes
Building #56	BOQ Storage	No
Building #59	Mag Electric Building	Yes
Building #63	Captains Barn	No
Building #65	Naval Reserve Intelligence	No
Building #68	Storage	No
Building #70	Sub-station Field Lights	Yes
Building #74	Sub-station	Yes
Building #75	Maintenance Warehouse	Yes
Building #77	AIMD Paraloft	Yes
Building #78	Public Works Department	Yes
Building #79	Public Works Storage Shed	No
Building #80	Hangar, VR/HSL/Tower	Yes
Building #81	Pump House	No
Building #117	Main Sub-station	No
Building #118	Ground Electronics	Yes
Building #119	Flammable Storage	No
Building #126	Emergency Generator	Yes
Building #127	Public Works Dispatcher	Yes



Table 4-5. Results of the Station-Wide Asbestos Survey Conducted in 1996

Location	Location Description (Building Name)	Asbestos-Containing Materials Found?
Building #128	Auto Vehicle Maintenance-Public Works	No
Building #129	LOX Building/AIMD	Yes
Building #137	Hospital Branch Clinic	Yes
Building #139	Approach Lights Vault	No
Building #140A	Reserve Training	Yes
Building #140B	RESASWTRACEN/Trainers	Yes
Building #146	Radio Range Building	No
Building #149	Marine Motor Pool	No
Building #152	Marine Garage	No
Building #159	Fuel Farm Office	Yes
Building #160	Pool Snack House	No
Building #164	Marine Compound	Yes
Building #167	Navy Family Service Center	Yes
Building #171	Supply Warehouse	Yes
Building #171A	Supply Comptroller	Yes
Building #172	Barracks #5	Yes
Building #174	Pitcarin Club	Yes
Building #175	Hangar VP-64/66	Yes
Building #176	79 th ARCOM	Yes
Building #177	Army Hangar	No
Building #178	Army Maintenance Garage	No
Building #179	Handball Court #2	No
Building #180	AIMD	Yes
Building #184	Utilities Building	Yes
Building #185	Utilities Shop/Mag	No
Building #187	MWR Storage	Yes
Building #188	LOX Storage Shed	No
Building #192	Bowling Center	No
Building #193	Bus Shelter	No
Building #601	Reserve Programs	Yes
Building #604	Public Works Storage Shed	No
Building #605	NEX Building	Yes
Building #606	Mag Warehouse	Yes
Building #608	Firehouse	Yes
Building #609	Barracks #6	Yes
Building #611	Pool Heating Plant	No
Building #612	BOQ Boiler House	No
Building #613	Ordinance Assy Area	No
Building #624	T-line Shack	No
Building #625	Administration Concession Stand	No



Table 4-5. Results of the Station-Wide Asbestos Survey Conducted in 1996

Location	Location Description (Building Name)	Asbestos-Containing Materials Found?
Building #626	Galley	No
Building #630	Mag-New Fuel Lab	No
Building #631	Communications Building/Mag	No
Building #632	Communications Building/Mag	No
Building #634	T-line/Mag	No
Building #635	AIMD-Ground Support Equipment	Yes
Building #677	Personnel Support DETAC	No
Building #680	Maine Hangar	Yes
Building #780	Passenger OPS Building	Yes

Source: Dewberry & Davis 1997.



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Table 4-6. Radon Assessment Results

Location	Location Description	Date Tested	Average Radon Level (pCi/L)
Building # 3	Child Development Center and Library ("A" Wing)	24 October 2001	0.0
Building # 3	Child Development Center and Library ("B" Wing)	24 October 2001	0.2
Building # 6	Boiler House	24 October 2001	0.0
Building # 49	Subway Restaurant	24 October 2001	0.1
Building # 113	Quarters "E"	1991	6.9
Building # 113	Quarters "E"	1999	< 4.0
Building # 113	Quarters "E"	2002	< 4.0
Building # 137	Medical Dental Building	24 October 2001 (Confirmation Testing on 14 November 2001)	0.4
Building # 159	Fuel Farm Office	24 October 2001	1.1
Building # 171	Supply Warehouse	24 October 2001	0.0
Building # 174	Pitcarin Club	24 October 2001	0.0
Building # 175	Hanger (VP 64 Wing)	24 October 2001	0.0
Building #175	Hanger (VP 66 Wing)	24 October 2001	0.1
Building # 192	Bowling Alley	24 October 2001	0.0
Building # 601	Reserve Programs	1999	> 4.0
Building # 606	Mag Warehouse	24 October 2001	1.3
Building # 608	Firehouse	24 October 2001	0.4
Building # 635	AIMD Ground Support	24 October 2001	0.0
Building # 677	Personnel Support Detachment	24 October 2001	0.2
Building # 780	Passenger OPS	24 October 2001	0.0

Source: Di Giantomasso 2001.



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Table 4-7. Active Oil/Water Separators at NAS JRB Willow Grove

OWS Number	Location	Type	Volume (gallons)
078	Building #78	UST	350
080	Building #80	UST	1,000
119	Building #119	UST	350
157	Building #157	OWS	10,000
175	Building #175	OWS Pit	500/500
177	Building #177	OWS	350
178	Building #178	OWS	350
180	Building #180	OWS	500
608	Building #608	OWS	500
639	Building #639	OWS	1,000
680	Building #680	OWS Pit	2,162

Source: Weston Solutions 2004.



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