

COMMUNITY RELATIONS PLAN

for

**Naval Air Station Joint Reserve Base
and Air Reserve Station
Willow Grove, Pennsylvania**



**Northern Division
Naval Facilities Engineering Command
Contract No. N62472-90-D-1298
Contract Task Order 227**

December 1997



BROWN & ROOT ENVIRONMENTAL

R-51-11-6-10

COMMUNITY RELATIONS PLAN

**NAVAL AIR STATION JOINT RESERVE BASE
and AIR FORCE RESERVE STATION
WILLOW GROVE, PENNSYLVANIA**

**COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION - NAVY (CLEAN) CONTRACT**

**Submitted to:
Northern Division
Environmental Branch, Code 18
Naval Facilities Engineering Command
10 Industrial Highway, Mail Stop No. 82
Lester, Pennsylvania 19113-2090**

**Submitted by:
Brown & Root Environmental
993 Old Eagle School Road, Suite 415
Wayne, Pennsylvania 19087-2699**

**Contract No. N62472-90-D-1298
Contract Task Order 227**

December 1997

SUBMITTED BY


**RUSSELL TURNER
PROJECT MANAGER
BROWN & ROOT ENVIRONMENTAL**

APPROVED FOR SUBMISSION BY:

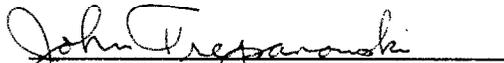

**JOHN TREPANOWSKI, P.E.
PROGRAM MANAGER
BROWN & ROOT ENVIRONMENTAL**

TABLE OF CONTENTS

SECTION	PAGE
1.0 OVERVIEW OF COMMUNITY RELATIONS PLAN.....	1-1
1.1 BACKGROUND AND OBJECTIVES	1-1
1.2 KEY FEATURES OF THE PLAN	1-1
1.3 PLAN ORGANIZATION	1-3
2.0 SITE DESCRIPTION AND HISTORY	2-1
2.1 SITE LOCATION	2-1
2.2 ENVIRONMENTAL SETTING	2-1
2.3 SITE HISTORY AND USES	2-4
2.4 HISTORY OF WILLOW GROVE'S ENVIRONMENTAL CLEAN-UP PROGRAM	2-5
2.5 CERCLA AND IRP PROCESS	2-7
2.6 SCOPE OF NASJRB AND WGARS IR PROGRAM.....	2-10
2.7 NASJRB AND WGARS SITES	2-12
3.0 COMMUNITY BACKGROUND	3-1
3.1 COMMUNITY PROFILE	3-1
3.2 CHRONOLOGY OF NASJRB WILLOW GROVE'S COMMUNITY INVOLVEMENT PROGRAM	3-1
3.3 KEY COMMUNITY CONCERNS.....	3-2
4.0 HIGHLIGHTS OF COMMUNITY RELATIONS PROGRAM.....	4-1
4.1 OBJECTIVES	4-1
4.2 KEY COMMUNITY SENSITIVITY	4-2
5.0 TECHNIQUES AND TIMING.....	5-1
 APPENDICES	
Appendix A: List of Key Contacts.....	A-1
Appendix B: Restoration Advisory Board Documentation and Membership	B-1
Appendix C: Community Interview Responses	C-1
Appendix D: Information Repository Locations and Hours/Public Meeting Locations.....	D-1
Appendix E: Technical Assistance Grants Program	E-1

TABLES

<u>NUMBER</u>	<u>PAGE</u>
2-1 Summary of IR Program Status	2-13
5-1 Recommended Activities	5-2

TABLE OF CONTENTS (continued)

FIGURES

<u>NUMBER</u>		<u>PAGE</u>
2-1	Location Map	2-2
2-2	Naval Air Station Joint Reserve Base	2-3
2-3	Remedial Action Process	2-8

1.0 OVERVIEW OF COMMUNITY RELATIONS PLAN

1.1 BACKGROUND AND OBJECTIVES

Naval Air Station Joint Reserve Base (NASJRB) Willow Grove's Environmental Division has prepared this community relations plan with Willow Grove Air Reserve Station (WGARS) through support from the Naval Facilities Engineering Command's Northern Division and their environmental consultant, Brown & Root Environmental (B&R Environmental). The NASJRB and WGARS Environmental Division conducts the Department of Defense (DOD) Installation Restoration Program (IRP), which addresses environmental impacts caused by historical operations and disposal practices. The DOD IRP is carried out in compliance with federal, state, and local laws and regulations. The United States Environmental Protection Agency (EPA) and the Pennsylvania Department of Environmental Protection (PADEP) oversee NASJRB and WGARS environmental programs.

This plan identifies concerns and information needs of NASJRB and WGARS employees, community members, and other parties interested in the DOD IRP and outlines ways to address these needs and concerns. It also identifies community relations activities required by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and describes how they will be incorporated into the government's program. Guidance offered by the EPA's Community Relations Handbook was followed in preparing this plan.

1.2 KEY FEATURES OF THE PLAN

Citizen participation is considered to be an integral factor in actions taken at all Department of Defense IRP sites. Community relations activities benefit local citizens by providing timely and accurate information about site investigations and remediation plans. Community involvement benefits the regulatory agencies as well as the DOD by providing insight to decision makers of community concerns and expectations.

NASJRB and WGARS and their IRP have features that influence this community relations program:

- The NASJRB and Air Reserve Station facilities include both Navy and Air Force reserve unit training activities.
- The NASJRB and Air Reserve Station facilities combined occupy approximately 1,000 acres in Horsham Township.

- The types of sites that can be found on Navy or Air Force property include old municipal-type landfills, petroleum/fuel spills, solvent disposal, former fire training areas, abandoned rifle ranges, and a polychlorinated biphenyl (PCB) spill.
- The various interested community groups and individuals and employees working at NASJRB have differing concerns and information needs.

This community relations plan has been developed to address these unique features. The most distinctive feature of the community relations program is the variety of activities that are included to provide the broadest range of opportunities to inform and involve the public. For example, newspaper advertisements have been used to generate community interest in NASJRB and Air Reserve Base activities. Fact sheets have been sent to citizens on the resulting mailing list to provide written updates on site activities. A Restoration Advisory Board (RAB), formerly the Technical Review Committee, was established with participation by community members and Navy, Air Force, and regulatory agencies representatives. The RAB sessions have provided an opportunity for one-on-one conversation with environmental project officers and technical support personnel. Interested community members have been included in the decision-making process via the RAB to ensure that productive information exchange opportunities occur on a regular basis. The key to productive community involvement is developing a strong partnership with the interested parties and working together on environmental solutions.

Community members were solicited in the spring of 1996 to participate in interviews conducted to explore community perceptions and preferences regarding NASJRB and WGARS environmental activities. Twelve community members (selected following EPA guidance to represent a broad base of community constituencies) were interviewed by a team of Navy representatives, using a prepared set of questions. The results of the interviews are tabulated in Appendix C of this CRP. The findings of the interview process have been incorporated into the community relations activities recommended in this plan.

Because community needs and concerns vary over time, this plan is a working document. Activities described in this plan can and will change to reflect the changing needs of the community.

1.3 PLAN ORGANIZATION

Sections of this CRP provide the following information:

- Site Description and History - Provides background information on the facility and reviews past remediation activities and those that are planned.
- Community Background - Describes the communities near the site; provides a chronology of community involvement in CERCLA activities; and summarizes key community concerns.
- Highlights of Community Relations Program - Identifies objectives of the CRP in accordance with the community's need for information and its interest in participating in the remedial process.
- Techniques and Timing - Outlines specific community relations techniques designed to address public concerns.
- Attachments - Provided points of contact for further information, such as federal, state, and local elected officials and agency representatives; citizen groups; and media representatives. The appendices also include locations used for public meetings and the information repositories.

2.0 SITE DESCRIPTION AND HISTORY

2.1 SITE LOCATION

The 1,015-acre NASJRB facility is located approximately 23 miles north of Philadelphia, in Montgomery County in southeastern Pennsylvania, immediately north of the township of Horsham. The facility is generally bordered by State Route 611 on the east, State Route 463 on the southwest, and Keith Valley Road on the north. Figure 2-1 shows the location of NASJRB.

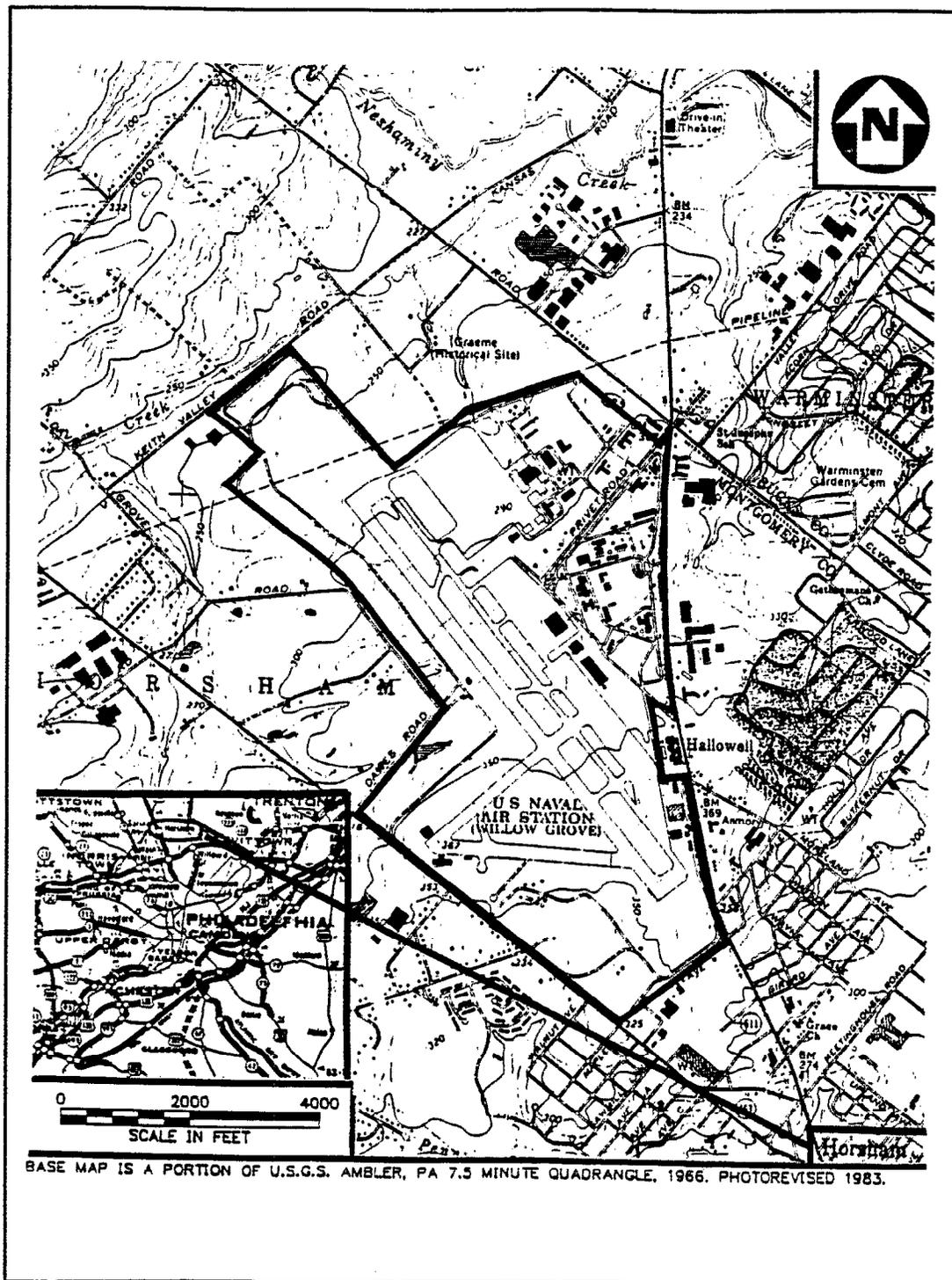
The Willow Grove ARS is located immediately adjacent to and north of the Willow Grove Naval Air Station, Joint Reserve Base in southeastern Montgomery County, Pennsylvania (Figure 2-1). The Willow Grove ARS and the Willow Grove NASJRB are separate installations and are situated approximately 23 miles north of Philadelphia in Horsham Township, located just southwest of Warminster and Warrington Townships. The Willow Grove ARS encompasses approximately 210 acres (Figure 2-2); agricultural and residential areas are located to the north and west, and developed residential, commercial, and industrial areas are located to the south and east. The 111th Fighter Group of the Pennsylvania Air National Guard (ANG) has leased property at the base since 1963. Figure 2-2 also shows the locations of the tenant activities (i.e., 111th Fighter Ground operations) at the base.

2.2 ENVIRONMENTAL SETTING

Although no perennial streams are located within the boundaries of NASJRB Willow Grove, tributaries of Pennypack and Little Neshaminy Creeks extend to within 1/4 mile of the facility. Pennypack Creek is designated a warm-water fishery by PADEP, and trout stocking is practiced in Little Neshaminy Creek.

Two standing bodies of water lie within the boundaries of NASJRB: the recreational pond and the Captain's house pond. Both are available for fishing by personnel working at NASJRB Willow Grove. Two man-made ponds are located near the golf course adjacent to the Marine Air Traffic Control Station. A man-made detention pond is located on the Willow Grove ARS portion of the facility.

Because it is comprised of mild slopes with permeable soils, the land at Willow Grove is conducive to infiltration of rainfall. Runoff from pavement or building-covered areas is conveyed by a storm drainage system to one of several outfalls to Pennypack Creek or Park Creek (a tributary of Little Neshaminy Creek). Effluent from the Station's wastewater treatment plant is discharged to Park Creek.

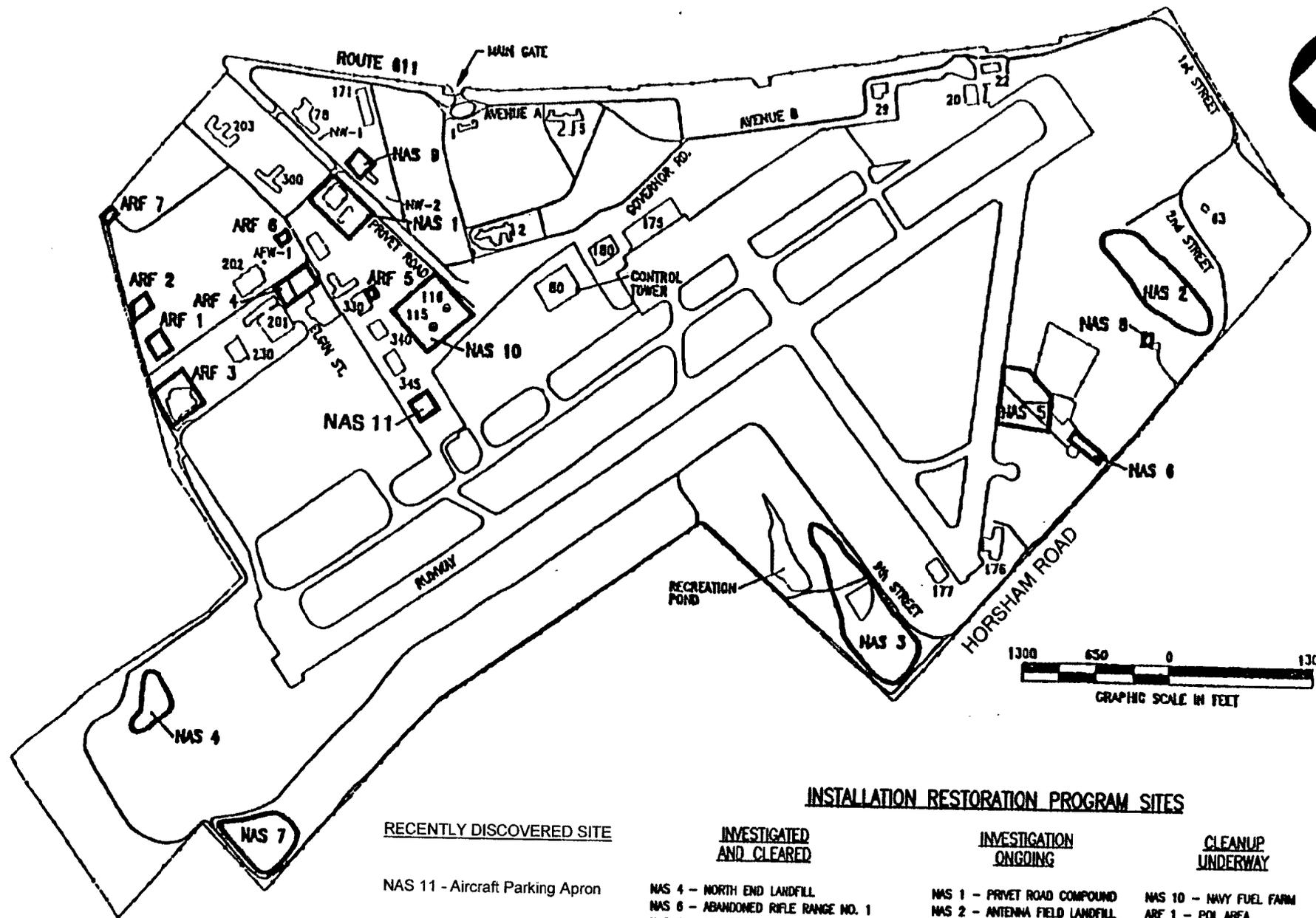


LOCATION MAP
NASJRB WILLOW GROVE
HORSHAM TOWNSHIP, PA

FIGURE 2-1



Brown & Root Environmental



**NAVAL AIR STATION JOINT RESERVE BASE
WILLOW GROVE, PENNSYLVANIA**

FIGURE 2-2

INSTALLATION RESTORATION PROGRAM SITES

RECENTLY DISCOVERED SITE
NAS 11 - Aircraft Parking Apron

INVESTIGATED AND CLEARED

- NAS 4 - NORTH END LANDFILL
- NAS 6 - ABANDONED RIFLE RANGE NO. 1
- NAS 7 - ABANDONED RIFLE RANGE NO. 2
- NAS 8 - BLDG. 118 ABANDONED FUEL TANK
- NAS 9 - STEAM PLANT BLDG. 8 TANK OVERFILL
- ARF 5 - BLDG. 330 WASTE OIL STORAGE AREA
- ARF 6 - HEATING PLANT
- ARF 7 - OLD WELL HOUSE

INVESTIGATION ONGOING

- NAS 1 - PRIVET ROAD COMPOUND
- NAS 2 - ANTENNA FIELD LANDFILL
- NAS 3 - 9TH STREET LANDFILL
- NAS 5 - FIRE TRAINING AREA
- ARF 4 - WASHRACK AREA

CLEANUP UNDERWAY

- NAS 10 - NAVY FUEL FARM
- ARF 1 - POL AREA
- ARF 2 - OPEN STORAGE AREA NO. 42
- ARF 3 - PONDING BASIN



Brown & Root Environmental

NASJRB Willow Grove lies on the outcrop of the middle member of the Stockton Formation. The Stockton aquifer is the primary source of drinking water in the region. The Air Station, by virtue of its location on this outcrop, is in the recharge area for this aquifer.

The Stockton aquifer has been characterized as consisting of two hydraulic systems, the water-table and the artesian aquifers. The water-table aquifer extends to a depth of between 75 and 100 feet below the land surface and it discharges to nearby streams and open bodies of water. Underlying the water-table aquifer is the artesian aquifer, the principal potable water source in this area. The water-table aquifer furnishes recharge to the artesian aquifer.

Potential human receptors for contaminants derived from NASJRB and ARS Willow Grove include the population served by the base's supply wells. Station groundwater is treated prior to distribution. No off-station wells are known to be affected. Humans that consume fish removed from bodies of water that received contaminated discharges from the base are also potential receptors.

A description of the environmental conditions that are common to IRP sites at the Willow Grove ARS is provided below.

The natural soil consists of loams and silty loams. Soil permeabilities range from 0.2 to 6.3 inches per hour, which corresponds to a low to moderately rapid permeability. The bedrock in the vicinity of the Willow Grove ARS consists of the Stockton Formation, which is primarily composed of gray and red sandstone with interlayers of red shale. The Stockton Formation generally lies approximately 10 feet below ground surface (BGS), but it can occur as far as 15 to 20 feet BGS. Groundwater flow occurs primarily through fractures in the bedrock; therefore, it is strongly influenced by the size, frequency, distribution, and orientation of fracture zones. Most of the deep wells in the area draw water from several major fracture zones, and hydraulic head varies with each zone. Groundwater beneath the base generally flows toward the north-northwest.

2.3 SITE HISTORY AND USES

Past activities at NASJRB, primarily landfilling, fire training exercises, and material storage, resulted in potential releases at 10 sites between 1942 and 1975. Among the contaminants found during environmental investigations were volatile organic compounds, particularly tetrachloroethene, and PCBs. Figure 2-2 shows the facility areas that were investigated. One additional site (Site 11, an aircraft parking apron) was recently discovered but has not yet been investigated.

Current activities associated with Navy operations include aircraft and vehicle washing, maintenance, and fueling and electronics maintenance.

NASJRB occupies an airfield that was established in 1919. The facility now encompasses several Activities. In May 1995, the Navy facility was renamed the Naval Air Station Joint Reserve Base, Willow Grove to reflect the fact that it hosts Navy, Army, and Marine Corps Reserve Activities. In 1992, the adjacent Air Force Activity, then called the Willow Grove Air Reserve Facility, became known as the Willow Grove Air Reserve Station. The Navy and Air Force, although separate activities, share the runways and taxiways maintained by the Navy.

Industrial activities at the Willow Grove ARS generally include aircraft maintenance, base civil engineering, and fuel storage activities. The aircraft maintenance operations involve the full range of repair maintenance activities on aircraft and aerospace ground equipment (AGE). Station civil engineering operations involve the generation of waste solvents, oils, and paints from various shops, including a paint shop, a plumbing shop, and carpentry shop, and several flammable material storage facilities. Fuel storage operations currently include the bulk storage of aviation gasoline (AVGAS), jet propulsion fuel no. 8 (JP-8), and contaminated JP-8. In 1994, the base discontinued the use of jet propulsion fuel no. 4 (JP-4).

In support of its primary mission of training aircraft personnel and operating base facilities, the Willow Grove ARS has stored, used, and disposed of various types of hazardous materials during its history. Although some of the base's historical operations have resulted in the storage, use, and disposal of hazardous materials, not all of these operations relate to IRP sites.

2.4 HISTORY OF WILLOW GROVE'S ENVIRONMENTAL CLEAN-UP PROGRAM

The Department of Defense developed the IRP in 1980. The program provides guidance and funding for investigating and correcting environmental problems caused by historical disposal practices and activities at military installations. The Navy and Air Force both have IRP programs underway at the Willow Grove Air Station. The Navy's IRP is primarily managed and funded through the Northern Division, Naval Facilities Engineering Command, located in Lester, Pennsylvania.

In response to the Navy's objective to identify contaminated sites and sources and to take corrective actions where needed, various environmental studies were conducted at NASJRB Willow Grove, beginning in the early 1980s. These studies were limited in their scope and funding. In 1995, NASJRB

Willow Grove received sufficient funding to begin the current comprehensive environmental program. This was due largely to its recent listing on the EPA's National Priorities List (NPL).

The Willow Grove ARS began conducting IRP activities in 1984; a Phase I Records Search was completed in that year. Since 1984, the IRP sites at the base have progressed through SI and RI/FS phases. Three remedial design (RD) memoranda and an RD for the expansion of the existing soil vapor extraction system have been prepared for Willow Grove ARS Site 1 [Petroleum, Oil, and Lubricant (POL) Area]. An RA is underway at the POL Area, and a report that documented the operation, maintenance, and monitoring of the remediation system was completed in 1994. Decision Documents (DDs) recommending No Further Response Action Planned (NFRAP) have been completed for Sites 2 through 7 at the Willow Grove ARS. The NFRAP DDs have been signed by the Base Commander and have been submitted to PADEP for approval.

The goal of the NASJRB Willow Grove restoration program is to address any current threats to human health and the environment posed by past operations at the facility. To accomplish this goal, the Navy is identifying and investigating possible environmental impacts there and developing methods for correcting them.

The Navy carries out the IRP in compliance with all other federal, state, and local laws. The primary federal law is the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

In 1980, Congress passed CERCLA to require cleanup of hazardous waste sites caused by historical disposal practices. Congress gave EPA the responsibility for overseeing compliance with this law. CERCLA is sometimes called the Superfund Act because it provides funds when EPA cannot locate responsible parties (primarily in the private sector) or the responsible parties are unable to fund the clean-up actions. CERCLA is funded primarily through a tax on the chemical and petroleum industries, but it cannot be used to clean up military facilities. The Defense Environmental Restoration Account (DERA), part of the Department of Defense budget, funds the military's cleanups via the IRP.

CERCLA set up a ranking system for hazardous waste sites and a National Priorities List of the sites targeted for cleanup. In 1995, EPA added NASJRB and WGARS Willow Grove to the National Priorities List.

NASJRB Willow Grove, the Department of the Navy, ARS Willow Grove, and EPA have not yet begun negotiations of a Federal Facility Agreement (FFA). An FFA is a legal agreement between (in this case) EPA and the DOD that outlines the overall plan and requirements governing the IRP actions to ensure that

environmental impacts associated with past and present activities at NASJRB and WGARS Willow Grove are thoroughly investigated and proper response actions are taken, as necessary, to protect the public health, welfare, and the environment. This agreement, required by the National Contingency Plan, will outline procedures and a timeline for the clean-up program. Although the formal FFA is not yet in place, EPA and PADEP have been active participants in the DOD IRP process.

2.5 CERCLA AND IRP PROCESS

Under the IR and CERCLA programs, the Navy, Air Force, and EPA use a structured process to determine appropriate responses for Superfund sites or facilities (Figure 2-3):

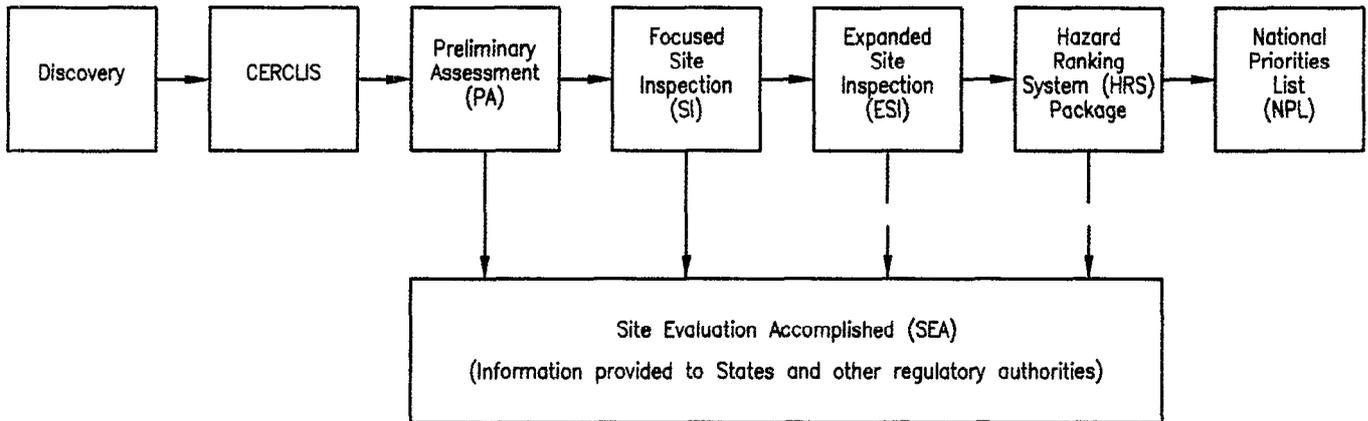
- The site assessment phase identifies facilities for the NPL.
- The remedial phase determines the extent of contamination and implements clean-up remedies.

The primary objective of the site assessment phase is to obtain the data necessary to identify the highest priority sites posing threats to human health and the environment. The site assessment phase begins with site discovery or notification to EPA of possible releases of hazardous substances. Once discovered, sites or facilities are evaluated to determine the potential for a release of hazardous substances during two investigative steps:

- Preliminary Assessment (PA): A PA is a limited-scope investigation performed on every DOD facility. PA investigators collect readily available information and conduct a site reconnaissance. The PA is designed to distinguish between sites or facilities that pose little or no threat to human health and the environment and sites that require further investigation. The PA also identifies sites requiring assessment for possible emergency response action.
- Site Inspection (SI): If the PA recommends further investigation, an SI is performed. SI investigators typically collect waste and environmental samples to determine the substances present at a site or facility and whether they are being released to the environment. The objective of the SI is to identify the sites that have a high probability of qualifying for addition to the NPL. A second objective is to identify sites posing immediate health or environmental threats that require emergency response.

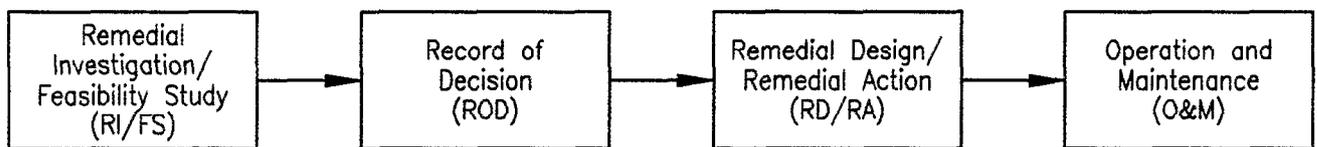
REMEDIAL ACTION PROCESS

● Site Assessment Phase



Sites may be referred for removal actions at any stage

● Remedial Phase



Sites may be referred for removal actions at any stage

FIGURE 2-3



Decisions made during the site assessment phase determine which sites are addressed during the remedial phase of the Superfund program. The objective of the remedial phase is to implement remedies that eliminate, reduce, or control risks to human health and the environment. Investigations and analyses that identify the best clean-up alternative for a site or facility include

- Remedial Investigation (RI): An RI is conducted at all NPL sites and facilities. The RI is a field investigation to characterize the nature and extent of contamination at a facility. The RI supports development, evaluation, and selection of the appropriate response alternative.
- Feasibility Study (FS): Based on the data collected during the RI, options for remedial actions are developed and evaluated in the FS. The most viable clean-up options are evaluated based on several criteria: ability to protect human health and the environment; long- and short-term effectiveness; ability to comply with applicable federal and state requirements; ability to reduce waste toxicity, mobility, or volume; implementability; state and community acceptance; and cost.
- Record of Decision (ROD): After all facts about a site or facility have been evaluated, the Navy and EPA select a remedy and prepare a ROD. The ROD supports selection of the remedy by documenting all facts, analyses, and policy considerations.
- Remedial Design/Remedial Action (RD/RA): The RD/RA stage includes development of the actual design of the selected remedy and implementation of the remedy through construction.

The final steps in the Superfund and IR process include initiating long-term operation and maintenance of the facility, where necessary, and project close-out activities. At any time during the site assessment and remedial phases, the Navy or EPA can initiate a removal action. A removal action is appropriate in cases where new information indicates that an immediate risk to human health or the environment is present based on hazardous substance concentrations that exceed specific EPA levels.

The following section presents the current status of NASJRB and WGARS Willow Grove IRP process at various sites. RAB members, by attending a regularly scheduled meetings and commenting on technical reports, are "working members" of the groups that conduct this process.

2.6 SCOPE OF NASJRB AND WGARS IR PROGRAM

An Initial Assessment Study was performed in 1985. Initial assessments, which are equivalent to preliminary assessments under CERCLA, include a records search (to develop information about the Activity's past missions, industrial processes, waste disposal records, and known environmental contamination) and an on-site survey to inspect the Activity during ground and aerial tours and interview long-term employees and retirees. The report on the results of these activities was issued in February 1986. The Initial Assessment identified 16 areas of potential environmental concern, including seven Air Force sites and nine Navy sites:

NAVY

NAS Site 1, Privet Road Compound

NAS Site 2, Antenna Field Landfill

NAS Site 3, Ninth Street Landfill

NAS Site 4, North End Landfill

NAS Site 5, Fire Training Area

NAS Site 6, Abandoned Rifle Range No. 1

NAS Site 7, Abandoned Rifle Range No. 2

NAS Site 8, Building No. 118 Abandoned Fuel Tank

NAS Site 9, Steam Plant Building No. 6 Tank

AIR FORCE

ARS Site 1, POL Area

ARS Site 2, Open Storage Area No. 42

ARS Site 3, Ponding Basin

ARS Site 4, Washrack Area

ARS Site 5, Building 330, Waste Oil Storage Area

ARS Site 6, Heating Plant

ARS Site 7, Old Well House

An additional site, NAS 10, the Navy Fuel Farm, was added to the program in 1988. NAS 11, the Aircraft Apron, was added to the program in 1992.

NASJRB IR Program

A site inspection was performed in 1989 that included 9 sites (NAS Sites 1, 2, 3, 4, 5, 7, 8, 9, and 10). NFRAP recommendations were determined for NAS Sites 4, 6, 8, and 9.

An extended site inspection was performed at NAS 7 (Abandoned Rifle Range No. 2).

A Phase I RI, prepared in 1992, concluded that additional field work was necessary to obtain a more accurate picture of the nature and extent of contamination at the four sites it investigated: two landfill areas, Antenna Field Landfill (NAS Site 2) and Ninth Street Landfill (NAS Site 3); the waste transfer station, Privet Road Compound Site (NAS Site 1); and the fire protection training area, Fire Training Area (NAS Site 5).

A Phase II RI for NAS Sites 1, 2, 3, and 5 is underway. The field work began in the spring of 1997 after RAB review and comment on the draft Phase II remedial investigation NASJRB work plan. The scope of WGARS IRP activities is included by site in Section 2.7.

NAS Site 11 (Aircraft Parking Apron) is a suspected fuel spill area near the northeast end of the main runway. This area was discovered during recent construction activities in the area. Exploratory soil samples will be performed to investigate the nature and extent of contamination.

Table 2-1 presents a summary of IR program status for each site.

WGARS IR Program

In a November 1984 Phase I Records Search, seven IRP sites at the Willow Grove ARS were identified and recommended for further characterization/investigation. Three of these seven sites (Site 1 - POL Area, Site 2 - Open Storage Area, and Site 3 - Ponding Basin) were investigated in a March 1988 RI conducted under the Willow Grove ARS IRP. The results of the RI suggested that Sites 2 and 3 were not sources of contamination; therefore, DDS recommending NFRAP for these two sites were prepared in August 1988 and were submitted to PADEP for approval. Site 1 was recommended for further action. SIs for the remaining four sites (Site 4 - Washrack Area, Site 5 - Waste Oil Storage Area, Site 6 - Heating Plant, and Site 7 - Old Well House) were completed in May 1990 under the Willow Grove Naval Air Station, Joint Reserve Base IRP. Based on the results of the SIs, DDS recommending NFRAP for Sites 5, 6, and 7 were prepared and submitted to PADEP in June and August 1990. The SIs recommended that Site 4 be investigated further; the Extended SI for this site was completed in May 1992. Based on the

results of the Extended SI, a DD recommending NFRAP at Site 4 was prepared in November 1992 and was submitted to PADEP in January 1993 after it was signed by the 913th Airlift Wing Commander. Table 2-1 presents a summary of IR program status for each site.

2.7 NASJRB AND WGARS SITES

The Navy has performed some level of environmental investigation at all sites and has recommended no further investigation (NFI) for five of them. EPA is currently reviewing the Navy's data and recommendation for no further work but, to date, has not released its findings. NFI site descriptions are not included below. The relative locations of the sites are shown on Figure 2-2.

NAS Site 1, the Privet Road Compound

NAS Site 1 (Privet Road Compound) was constructed as a transfer station for wastes after closure of the Ninth Street Landfill (NAS Site 3) in 1967. The area was used from 1967 until 1975 as an open disposal area where wastes were buried and burned. The site consists of a core area of approximately 1/2 acre and a suspected waste-handling area of approximately 2 acres. NAS Site 1 is located north of and immediately across Privet Road from the Steam Plant (Building No. 6).

Information obtained during the SI determined that volatile organic compounds (VOCs), particularly trichloroethene, were found in groundwater samples at concentrations exceeding drinking water standards and that soil and sediment samples were contaminated with PCBs and pesticides. The Phase I RI recommended additional investigation of the PCB "hot spot," dioxin analysis of soil samples, semivolatile compounds of soil and sediment samples, groundwater sample analysis for volatile organic carbon compounds, and long-term water-level studies.

NAS Site 2, the Antenna Field Landfill

NAS Site 2 (Antenna Field Landfill) was used as a disposal area for solid wastes generated between 1948 and 1960. Landfilling activities at the site consisted of excavation and subsequent burning and burial of wastes in trenches. The site covers approximately 9 acres and is located near the southern end of the station.

Groundwater, surface water, and sediment samples were collected from the Antenna Field Landfill site during both the 1989 SI and the Phase I RI. Analysis of groundwater samples collected during 1989 indicated that several VOCs were present in an upgradient well and that two other wells located adjacent

**TABLE 2-1
SUMMARY OF IR PROGRAM STATUS
NASJRB WILLOW GROVE, PENNSYLVANIA**

Potentially Contaminated Site	PA Recommendation for SI	SI Performed	SI Recommendation	ESI Recommendation Result	Phase I RI Performed	Phase II RI Recommended
NAS Site 1, Privet Road Compound	Yes	Yes	RI/FS		X	X
NAS Site 2, Antenna Field Landfill	Yes	Yes	RI/FS		X	X
NAS Site 3, 9th Street Landfill	Yes	Yes	RI/FS		X	X
NAS Site 4, North End Landfill	Yes	Yes	NFI			
NAS Site 5, Fire Training Area	Yes	Yes	RI/FS		X	X
NAS Site 6, Abandoned Rifle Range No. 1	No	No	NFI			
NAS Site 7, Abandoned Rifle Range No. 2	No	Yes	ESI	NFI		
NAS Site 8, Building No. 118 Abandoned Fuel Tank	No	Yes	NFI			
NAS Site 9, Steam Plant Building No. 6 Tank	No	Yes	NFI			
NAS Site 10, Navy Fuel Farm	NA	Yes	RI/FS		Remediation underway	
NAS Site 11, Aircraft Apron Parking	NA	Yes	RI/FS		Jet fuel suspected in soil Confirmatory sampling required.	
ARS Site 1, POL Area	Yes	An RI/FS managed by the Air Force has been completed			Remediation underway	
ARS Site 2, Open Storage Area No. 42	Yes	An RI/FS managed by the Air Force has been completed			NFRAP recommended	
ARS Site 3, Ponding Basin	Yes	An RI/FS managed by the Air Force has been completed			X	NFRAP recommended
ARS Site 4, Washrack Area	Yes	Yes	ESI	Continue Groundwater Monitoring	X	NFRAP recommended

**TABLE 2-1
SUMMARY OF IR PROGRAM STATUS
NASJRB WILLOW GROVE, PENNSYLVANIA
PAGE 2 OF 2**

Potentially Contaminated Site	PA Recommendation for SI	SI Performed	SI Recommendation	ESI Recommendation Result	Phase I RI Performed	Phase II RI Recommended
ARS Site 5, Building No. 330 Waste Oil Storage Area	Yes	Yes	*		NFRAP recommended	
ARS Site 6, Heating Plant	Yes	Yes	NFI		NFRAP recommended	
ARS Site 7, Old Well House	Yes	No	NFI		NFRAP recommended	

PA = Preliminary Assessment
ESI = Extended Site Inspection
NFI = No Further Investigation
VOC = Volatile Organic Compounds

SI = Site Inspection
RI/FS = Remedial Investigation/Feasibility Study
* = Further investigation within the scope of NAS Site 10
PCB = Polychlorinated Biphenyls

NA = Not Applicable
RI = Remedial Investigation
NFRAP = No Further Response Action Planned

to the landfill area contained pesticides at very low concentrations. No volatile organics were detected in surface water or sediment samples collected during 1989.

The RI Phase I investigation indicated the need for further investigation of subsurface conditions in the fill area, cap soil quality, seeps/sediments at the edge of the former landfill, surface water/sediment quality, and groundwater downgradient of the former landfill.

NAS Site 3, the Ninth Street Landfill

NAS Site 3 (Ninth Street Landfill) was used as an alternate disposal area following phase-out of the Antenna Field Landfill in 1960. NAS Site 3 was operated as a landfill until 1967. Subsequent to closure of the Ninth Street Landfill, NAS Site 3 was used as a salvage yard for empty drums, discarded equipment, and transformers containing PCBs. NAS Site 3 occupies approximately 9 acres along the base's western boundary, immediately north of Ninth Street.

Previous field investigations concluded that groundwater contained tetrachloroethene (PCE), but no on-site source could be identified. The Phase II RI will sample soils surface water and sediments, collect groundwater samples for VOC analysis, and perform a water-level study.

NAS Site 5, the Fire Training Area

NAS Site 5 (Fire Training Area) was used for firefighting exercises from 1942 until 1975. Exercises included burning and disposing a variety of flammable liquid wastes that were estimated to have been consumed at the rate of at least 4,000 gallons per year. The area was also reportedly used as a storage area for drums containing flammable liquids during periods between firefighting exercises. NAS Site 5 is located in the southern portion of the activity near the Marine Reserve Compound.

The Phase I RI data appeared to indicate that the contamination at the Fire Training Area is confined to a relatively small area and has not migrated downgradient. However, vertical and horizontal extent of groundwater contamination was not fully defined. The extent of soil contamination was not determined, and no surface water or sediment data exist for the ponds located south of the NAS Site 5. The Phase II RI will analyze VOCs, semivolatile organic compounds (SVOCs), and metals in groundwater, sediments, surface water, and soils at NAS Site 5.

NAS Site 10, the Navy Fuel Farm

NAS Site 10 (Navy Fuel Farm) is an area near the Navy's main fuel tanks where fuel was spilled in the past. Remedial investigations identified a plume of floating and dissolved (fuel-related) contaminants on the groundwater in the area. A two-year pilot scale clean-up remediation test was performed with positive results. A full-scale clean-up system to collect and dispose of contaminants was constructed in the fall of 1997 and is currently in operation.

NAS Site 11, the Aircraft Parking Apron

An additional site, NAS Site 11, was discovered in 1992 during construction of a storm sewer culvert (at the north end of the main runway apron) where fuel is suspected to have been spilled in the past. Preliminary sampling at NAS Site 11 indicated the presence of petroleum hydrocarbons typical of fuel spills.

As of the date of this CRP (December 1997), investigation at NAS Site 11 is budgeted for fiscal year 1998 and will be pursued as part of the Navy's IR program.

ARS Site 1 - POL Area (ST-01)

ARS Site 1 (POL Area) consists of a fenced area, approximately 200 by 400 feet, that is located along the northern boundary of the base between ARS Site 2 (Open Storage Area) and ARS Site 3 (Ponding Basin). ARS Site 1 contains two aboveground tanks with capacities of 210,000 and 105,000 gallons and two additional tanks of 1,000 gallons each. JP-4 was used at the base until 1994, when JP-8 was used.

Several undocumented spills occurred at the POL Area as well as disposal of sludge from tank cleaning. The March 1988 RI for the POL Area determined that the shallow unconfined aquifer was contaminated with JP-4. The March 1989 feasibility study (FS) report recommended a pump-and-treat system for remediation of the site. In February 1990, the Record of Decision (ROD) for the POL Area also recommended the use of pump-and-treat for remediation of the site.

In June 1992, additional contamination was identified and an emergency remediation system was installed and operated (Phase I RA) between June 1993 and October 1994. A comparison of 1994 groundwater sampling results of 26 monitoring wells with the October 1995 groundwater sampling results revealed that the number of wells having JP-4 free product was reduced from eight wells to only one well. During the

1996 startup of the SVE system, significant amount of free product was found in the extraction wells. The SVE system was shut down after 32 hours of operation due to the continuous presence of a high water table at the site.

Presently, the Air Force is in the process of reassessing the POL site through soil sampling, the installation of temporary well points, and sampling of groundwater in the existing 22 monitoring wells (the LNAPL characterization study). The results from the characterization study at the POL area will determine the design modification requirement for the SVE system in order to further remediate the POL site.

ARS Site 2 - Open Storage Area (SS-02)

ARS Site 2 (Open Storage Area) consists of a fenced area, approximately 150 by 200 feet, located next to the ARS Site 1 (POL Area) and Andrews Street, along the northern boundary of the base. Since 1957, ARS Site 2 has been used as a central collection and storage point for equipment and drums of hazardous materials.

The March 1988 RI identified soil and groundwater contamination at ARS Site 2. The results of surface soil sampling indicated levels of 1,1-dichloroethane and 1,1,1-trichloroethane, and TPH was detected in near-surface soil. Benzene, ethylbenzene, toluene, naphthalene, and TPH were also detected in the groundwater. No TPH or VOCs were detected in soil samples collected below the ground surface.

The results of the March 1988 RI suggested that the contamination at ARS Site 2 was the result of contaminant migration from the POL Area (ARS Site 1) and further action at Site 2 was not warranted. In August 1988, a DD recommending NFRAP for ARS Site 2 was submitted to PADEP and approval is pending. Petroleum-related contamination in the groundwater at ARS Site 2 is included in the ongoing RA at ARS Site 1.

ARS Site 3 - Ponding Basin (OT-03)

ARS Site 3 (Ponding Basin) consists of a 2.5-acre, manmade catchment pond located approximately 200 feet west of the POL Area (ARS Site 1), at the intersection of Andrews Street and Langley Street, along the northern boundary of the base. The Ponding Basin, created in 1957, receives all surface runoff from the Willow Grove NASJRB.

Sediment samples collected as part of the March 1988 RI exhibited elevated levels of TPH, and seep samples contained TPH, benzene, ethylbenzene, and toluene. BTEX and naphthalene were also detected in groundwater samples at ARS Site 3.

The March 1988 RI suggested that contamination at ARS Site 3 was a result of contaminant migration from ARS Site 1 (POL Area) as well as from contaminant transport via surface water runoff from other portions of the base. A DD recommending NFRAP for ARS Site 3 was submitted to PADEP in August 1988 and approval is pending. The remediation of ARS Site 3 is included in the ongoing RA at ARS Site 1.

ARS Site 4 - Washrack Area (SD-04)

ARS Site 4 (Washrack Area) is used primarily for washing aircraft from both Willow Grove ARS and the Pennsylvania ANG. Paint stripping has also been conducted at the washrack. ARS Site 4 consists of a washrack and associated structures, including an oil/water separator (OWS) and a filter bed, two paint storage buildings (Buildings 215 and 223), a grassy area approximately 50 feet by 50 feet between the paint storage buildings, and a ditch located to the east.

An SI was conducted at ARS Site 4 in May 1990 and the results of this SI indicated the presence of VOCs in soil and groundwater. An Extended SI for ARS Site 4 was completed in May 1992 and the results of this Extended SI confirmed VOC contamination in the groundwater.

A DD recommending NFRAP under the Willow Grove ARS IRP for Site 4 was submitted to PADEP in January 1993 and is awaiting PADEP approval. The Willow Grove NASJRB plans to conduct further investigation at ARS Site 4 under its IRP since contamination at Site 4 is believed to have migrated from a Willow Grove NASJRB IRP site located near ARS Site 4.

ARS Site 5 - Waste Oil Storage Area (SS-05)

ARS Site 5 (Waste Oil Storage Area) is located next to Building 330 in the southern portion of the base. The Waste Oil Storage Area was used between 1970 and 1980 to store waste oils from various shops. The AST (bowser) used to store the waste oil was removed in 1980 after staining was observed in the surficial sediment in the area. There was also evidence of overfilling and spillage at ARS Site 5.

The May 1990 SI for ARS Site 5 indicated elevated levels of TPH as well as minor levels of VOCs and semivolatile organic compounds (SVOCs). Surface water drainage from the Willow Grove NASJRB Fuel

Farm may have contributed to contamination at the ARS Site 5 and, therefore, the exact source of contamination at ARS Site 5 is unclear. Further investigation at ARS Site 5 will be undertaken through the Willow Grove NASJRB IRP; therefore, a DD recommending NFRAP for ARS Site 5 under the Willow Grove ARS IRP was submitted to PADEP in August 1990 and is awaiting PADEP approval.

ARS Site 6 - Heating Plant (OT-06)

ARS Site 6 (Heating Plant) is located along Fairchild Street and includes two boilers that have been used since 1958 to supply hot water to 14 buildings at the base. Number 2 and 6 fuel oils were stored in two adjacent ASTs (Tanks 221 and 212) used in the past to fuel these boilers. Small amounts of solvents, corrosion inhibitors, and water-softening agents were also stored on site. Records for ARS Site 6 indicated that at least one fuel spill had occurred in the past but was contained.

The May 1990 SI included a soil gas survey in the vicinity of Tanks 221 and 212. Results of the May 1990 SI did not reveal any site-related contaminants. Therefore, a DD recommending NFRAP for ARS Site 6 was submitted to PADEP in June 1990 and is awaiting PADEP approval.

ARS Site 7 - Old Well House (OT-07)

ARS Site 7 (Old Well House) is located in the northernmost corner of the base and consists of a small building that contains an abandoned well head. This well was never used as a water source and was capped and sealed immediately after it was installed in 1962. The structure is currently used as a hazardous materials storage area for paints, paint thinners, and lacquer thinners.

The May 1990 SI found no evidence of contamination at ARS Site 7 and no further investigations were performed at the site. A DD recommending NFRAP for ARS Site 7 was submitted to PADEP in June 1990 and is awaiting PADEP approval.

3.0 COMMUNITY BACKGROUND

3.1 COMMUNITY PROFILE

NASJRB and ARS Willow Grove is located entirely within the township of Horsham, in Montgomery County, Pennsylvania; it occupies approximately 10 percent of Horsham Township. The local government is a home-ruled charter run by a five-person council elected at large for 4-year terms. A township manager is appointed by the council. Horsham was the largest-growth community in Montgomery County in the 1980s. Twenty-four hundred new homes were built, and the number of people working in Horsham Township doubled. The 1990 median family income was \$50,416 (source, United States Census Bureau).

Land use surrounding NASJRB Willow Grove can be characterized as suburban residential intermixed with commercial and light industrial uses and scattered vacant parcels. To the north, residential uses are mixed with large areas of open space, including a golf course. To the east, land uses are predominantly commercial along PA 611, with some vacant lots toward the northeast. To the southeast, the U.S. Army Reserve Training Center is located on PA 611 across from NASJRB. To the south, land uses are mostly residential with commercial and some light manufacturing. To the west, land is under development, including a large golf course/light industrial/commercial park with scattered residential neighborhoods.

Horsham Township is expected to experience substantial growth in the years ahead. Horsham's population growth will be in the western part of the township, where open land is available and sanitary services are planned. Areas to the north of NASJRB are mostly large vacant tracts of land, zoned low-density residential. This pattern is expected to continue due to the county and township land use plans, the lack of utility services, and the environmental sensitivity of the watershed. One parcel to the north was rezoned for light industry with a proposed development pattern with building and improvement restrictions and flight clearance/visibility considerations.

3.2 CHRONOLOGY OF NASJRB WILLOW GROVE'S COMMUNITY INVOLVEMENT PROGRAM

Historically, facility community relations have consisted of occasional announcements by the base regarding planned activities such as a public meeting or briefing for local officials or upcoming events like the annual open house/air show. The Air Force Military Affairs Council's outreach program, which consists of organized tours, luncheons, business card exchange sessions, and press release/information sharing, has been well received within the community. Community acceptance of Air Station environmental programs, as evidenced by responses to recently completed (1996) community interviews,

is characterized by confidence (on the part of the community) in the base commanders to take appropriate steps to protect human health and the environment.

A Technical Review Committee (TRC), recently replaced by the RAB, was established in the late 1980s, as required by the Navy's IRP, to ensure that regulatory representatives and local officials were informed and involved with environmental developments at the facility.

During the summer of 1996, transition from the TRC to the RAB was completed. A program of representative community interviews, preparation and distribution of an updated fact sheet, and publication of meeting notices and articles designed to promote public awareness and interests in Air Station environmental issues preceded two RAB organizational meetings held in the summer and autumn of 1996. The RAB was fully installed (with DOD and community co-chairs) by October 1996.

3.3 KEY COMMUNITY CONCERNS

Community concerns were identified during the interviews conducted with citizens, business people, and local government officials (see Appendix C). The concern cited most often was development/open space. As stated earlier, Horsham was the largest-growth community in Montgomery County in the 1980s.

Only one-half of the 12 persons interviewed were aware of environmental issues at NASJRB. The issues listed by those six were an oil spill, sewage into a creek, noise, and traffic during air shows. When asked whether air station officials respond to public concerns about such issues, 11 respondents answered "yes"; the twelfth did not know. Several people commented that the Air Station does a good job keeping the community informed about activities through such means as open houses and newspaper articles.

4.0 HIGHLIGHTS OF COMMUNITY RELATIONS PROGRAM

4.1 OBJECTIVES

NASJRB and ARS Willow Grove have several objectives for the community relations program:

- **Increase the knowledge level of employees and residents about the Installation Restoration Program (IRP)** - According to the community interviews, community members are unaware of the processes involved in the IRP. Efforts continue to be taken to explain this process and to discuss base environmental activities in relation to IRP required activities.
- **Provide a range of ways for residents and employees to participate** - Effective public participation requires access to relevant information. Consequently, this objective is directly tied to the first objective. Once people become knowledgeable, they are better prepared to participate. Once they are educated, employees and area residents may show more desire to participate in decisions that will affect the area where they work or live.
- **Provide follow-up explanations about investigative activities and results to the community** - Easily understood information should be available to all community members on the schedule of technical activities, their purpose, and their outcome. Almost all persons that were interviewed expressed interest in updates about investigation milestones.
- **Conduct community relations activities as required by CERCLA** - As a National Priorities List site, NASJRB Willow Grove is required to conduct specific community relations activities at specific points during its environmental work. These include scheduling public meetings and public hearings with comment periods, issuing proposed clean-up plans, and releasing responses to public comments with issuance of its Records of Decision.

4.2 KEY COMMUNITY SENSITIVITY

The public may have difficulty distinguishing between Air Force and Navy environmental activities. Substantial differences exist under these programs that the public should understand. Whenever possible, staff at these different branches will help direct citizens to the appropriate person for response.

In addition, Navy and Air Force personnel will manage and enjoy the benefits of joint public interactive opportunities.

5.0 TECHNIQUES AND TIMING

The following community relations activities are recommended to ensure that interested community members are well informed about site activities and have the opportunity to express their concerns. A schedule estimating the timing of each activity (some of these activities are underway or have been completed) is presented as Table 5-1. The first seven activities are required by CERCLA. The remaining activities provide opportunities for interested employees and residents to gain information and participate in clean-up decisions.

Establish an Information Repository

To ensure site-specific information is available to interested citizens, NASJRB Willow Grove created an information repository. Information at the repository includes technical reports, fact sheets, general information, the Administrative Record, and other relative documents. The Administrative Record is a file maintained by NASJRB and ARS Willow Grove that contains all the information used to make its decision on a removal or remedial clean-up alternative. The Navy, the Air Force Reserve, and the PA Air National Guard maintain specific information repositories in their environmental offices, but it is recommended that the public use the combined repository in the Township Building. NASJRB and ARS Willow Grove regularly update the contents of the repository. The community appears to be mildly concerned with the ease of access of the information repository at the Horsham Township Building. The location and hours of business of the information repositories are in Appendix D.

Conduct a Public Comment Period

The public comment period provides citizens with the opportunity to express opinions on NASJRB Willow Grove alternatives for remedial action at the site. Community input is encouraged, and citizens are made aware that NASJRB and ARS Willow Grove, EPA, and the commonwealth of Pennsylvania consider their opinions in the final decision on remedial action. The comment period lasts for a minimum of 30 days. The comment period can be extended by citizen request. During the public comment period, there will be an opportunity for citizens to meet with NASJRB and ARS Willow Grove, EPA, and commonwealth of Pennsylvania representatives to discuss the alternatives. NASJRB and ARS Willow Grove will provide a transcript of this meeting or meetings for public review.

**TABLE 5-1
COMMUNITY RELATIONS ACTIVITIES THAT HAVE OCCURRED OR ARE RECOMMENDED
NASJRB WILLOW GROVE, PENNSYLVANIA**

ACTIVITY	TIMING
Establish an Information Repository	Established in 1992 and continually updated.
Hold a Public Comment Period and Meeting on Remedial Action Plan	30- to 45-day period after the Feasibility Study is completed.
Prepare a Responsiveness Summary	After the public comment period ends.
Publish Public Notices	7 to 10 days before meetings; at the start of public comment periods; after signing or changing a Record of Decision.
Prepare a Fact Sheet and Provide an Opportunity for a Public Briefing on the Final Engineering Design	After remedial design is completed.
Revise the Community Relations Plan	At a minimum, every 2 years.
Form a Restoration Advisory Board	Established in October 1996.
Prepare Fact Sheets and Newsletters	Quarterly newsletter; initial fact sheet on each study area prepared; updated as needed or at time of action.
Conduct Informal Meetings	As needed.
Prepare News Release and Use Other Media Outlets	To announce meetings and other significant events, at a minimum.
Conduct Formal Public Meetings	During a public comment period for a Proposed Plan.
Compile a Contact and Interested Party List	This has been compiled and will be continually updated.
Maintain Contact with Elected and Local Officials	Contact will be maintained to be provide advance notification of significant actions or findings.
Conduct Outreach Presentations and Small Group Meetings	As needed.
Participate in Community Events	Several events per year.
Prepare Letters	As needed.
Conduct Tours of Environmental Projects	As needed.
Work with Technical Assistance Grant Recipient	Continuous.
Conduct Door-to-Door Leafleting	As needed.

Create a Responsiveness Summary

The Responsiveness Summary documents public questions, concerns, and issues raised by the community during the public comment period. The summary also includes government responses to the questions, concerns, and issues. The Responsiveness Summary is part of the Record of Decision, which is a document issued to explain the clean-up alternative that is selected for the site. Providing responses to citizens' concerns and comments will help to continue a productive, two-way flow of information.

Publish Public Notices

CERCLA requires public notices to inform the community of the release of a proposed plan, the timing of the public comment period on the proposed plan, the signing of a Record of Decision, and any changes to a Record of Decision. These notices ensure community residents have an opportunity to voice their opinions and concerns. Public notices may also announce meetings, such as the quarterly Restoration Advisory Board meeting. NASJRB Willow Grove typically publishes quarter-page display ads in the Intelligencer, the local newspaper. When appropriate, NASJRB and ARS Willow Grove will place newspaper advertisements.

Publish Fact Sheets about the Investigations

NASJRB Willow Grove will prepare an updated fact sheet periodically and when it has completed the remedial design or other major milestone. The fact sheet will be distributed to individuals on the mailing list and at other distribution points, including the information repository, before NASJRB Willow Grove proceeds with the remedial action step of the CERCLA process. If a high level of interest evolves, NASJRB Willow Grove will provide an opportunity for citizens to meet with decision makers to discuss the action.

Update This Community Relations Plan

This Community Relations Plan is a working document to guide the Navy project staff. Additional activities will be added as needed, and suggestions from the public are welcome. The plan will be revised to reflect significant changes in the level and nature of community concerns and to update the schedule of community relations activities as necessary. The Government will review the plan every 2 years at a minimum.

Establish an Advisory Group

NASJRB and ARS Willow Grove NAS have established a Restoration Advisory Board (RAB) (formerly called the Technical Review Committee) (see Appendix B). The RAB now meets quarterly or whenever necessary. NASJRB and ARS Willow Grove invite interested citizens to attend meetings and observe the board at work. RAB involvement provides another avenue for two-way communication between the air stations and the community.

Prepare Other Fact Sheets and Newsletters

In 1993, NASJRB Willow Grove began preparing fact sheets and newsletters on the environmental clean-up program. The fact sheets and newsletters will be one of the more important activities in the program because they meet several objectives. The newsletter provides a summary of the clean-up actions underway at each of the five sites. NASJRB Willow Grove plans to issue the newsletter whenever significant progress warrants. The newsletter is sent to all citizens, media, elected officials, and facility employees on the clean-up program's mailing list. Residents and employees also can obtain copies from the NASJRB Willow Grove Public Affairs Officer at 215-443-1776.

The fact sheets provide details on a particular study area or upcoming clean-up actions. For those interested in more detail than the level included in the newsletter, the fact sheets provide expanded site history and environmental study sections. NASJRB Willow Grove prepared the most recent fact sheet in December 1997.

The fact sheets and newsletters will contain tear-off sheets so residents or employees can add their names to the mailing list.

Schedule Informal Information Meetings

Informal information meetings monitor and assess citizens' concerns, answer questions, and explain plans and activities under consideration. These meetings give the community a chance to ask questions and express concerns in a more relaxed environment. RAB meetings, which are held on a quarterly basis, are open to the public.

Develop News Releases

Information published in local newspapers or broadcast on radio and television is an effective way to

distribute information to large numbers of people in a short time. However, each newspaper, television station, and radio station determines how and if they use the information in the news release. Therefore, news releases can only supplement, not replace, other forms of communication.

Periodic news releases will help ensure that accurate and consistent information is available to the media. NASJRB and ARS Willow Grove prepare news releases on events such as significant findings at a site, the time and place of public meetings, the availability of proposed plans, the dates of public comment periods, and upcoming work at a site so the public is aware of the work.

NASJRB and ARS Willow Grove Public Affairs Offices (PAOs) coordinate news releases and requests for information from the media. Media representatives can contact the Navy PAO at 215-443-1776 and Air Force AW/PA at 215-443-1062 to arrange for site tours and to request information on the clean-up program.

Publish Information in the Station Newspaper and Township Newsletter

NASJRB Willow Grove's IRP has increased coverage of its activities in the facility newspaper, which is distributed to facility employees. These newspaper articles provide information on upcoming meetings or important activities.

Schedule Formal Public Meetings

Formal public meetings can communicate information at one time to large groups of people. Attendance at these types of meetings is often low. Attending a formal public meeting requires the commitment of a person's time on a specific day and at a certain time. For single-parent families and two-wage-earner families, making this commitment can be difficult. Many people also dislike the emotional or political atmosphere that sometimes exists at formal public meetings.

To balance different community preferences, NASJRB and ARS Willow Grove have established the quarterly RAB meetings. Combined with the other methods listed here, this will allow individuals to have a choice in the way their questions and concerns are answered. Appendix D contains a list of locations that might be used for public meetings.

A current listing of individuals who have expressed interest in NASJRB Willow Grove is maintained for use in mailing fact sheets, newsletters, meeting notices, telephone calls, or other communications. This will ensure that all residents and officials who have expressed an interest will be kept informed of site

activities. Appendix A contains a list of elected officials and other contacts. Willow Grove will continue to add individuals to the mailing list at their request through the mail or from attending meetings.

Inform Local Officials

Several divisions within the county's administration have been involved in the restoration program. These include the county health department and the emergency preparedness office. NASJRB Willow Grove will continue to coordinate activities with these offices and keep them informed about restoration activities. These contacts are also listed in Appendix A.

Inform Facility Residents

Residents of air station barracks or housing will be kept informed of restoration activities through the facility's newspaper and fact sheets.

Schedule Site Tours

Seeing the actual site or project can help increase an individual's understanding and allow them to better participate in decisions about the site. Tours can also continue the two-way flow of information by showing residents a completed action for which they had provided input.

NASJRB and ARS Willow Grove staff have conducted several tours of various environmental projects, generally for regulators or technical support personnel. The Air Reserve Station Military Affairs Council organizes tours, luncheons, or other functions, like business card exchanges. NASJRB and ARS Willow Grove provided a RAB site tour for April 9, 1997. Newly elected officials may desire to tour NASJRB and ARS Willow Grove environmental projects as part of an overall briefing on the air station. NASJRB and ARS Willow Grove offer tours to the public and schedule special tours at the request of community groups or elected officials.

Support the TAG Program

EPA awards Technical Assistance Grants to citizen groups at CERCLA sites. The grants provide funds for technical experts to help citizens review and comment on technical documents. More information about these grants is included in Appendix E.

Distribute Leaflets to Neighborhoods

On several occasions, NASJRB Willow Grove has hand-delivered flyers or other information. NASJRB and ARS Willow Grove will continue to go door-to-door when information needs to reach a relatively small targeted group of people or when face-to-face communication will help convey the information.

Compile a Mailing List

The Air Station has compiled a mailing list to maintain a current listing of all individuals and organizations who have expressed an interest in the site. The mailing list contains the names, addresses, and phone numbers of federal, state, and local public officials, community organizations, and media contacts. A separate list containing the names, addresses, and phone numbers of RAB members who have shown an interest in the site is also maintained. The lists will be used to mail fact sheets, meeting notices, and public notices. Interested parties can be added to the mailing list at any time by contacting the NASJRB Willow Grove contact person (Jim Edmond) or the ARS Willow Grove contact persons (Charanjit Gill or Richard Fratterelli) listed in Appendix A.

APPENDIX A
LIST OF KEY CONTACTS

**APPENDIX A
LIST OF KEY CONTACTS**

GOVERNMENT AGENCIES

Naval Facilities Engineering Command

Mr. James Colter
Remedial Project Manager
c/o Commanding Officer
Northern Division, NAVFAC
10 Industrial Highway, MS 82
Lester, PA 19113-2090
Attn: Code 1821/JLC
(610) 595-0567, ext. 163
(610) 595-0555

Ms. Debra Felton
Remedial Technical Manager
c/o Commanding Officer
Northern Division, NAVFAC
10 Industrial Highway, MS 82
Lester, PA 19113-2090
Attn: Code 1821
(610) 595-0567, ext. 165
(610) 595-0555 fax

NASJRB Willow Grove

Mr. Jim Edmond
Environmental Division
c/o Commanding Officer
Public Works Department
Building 78
Naval Air Station
Willow Grove, PA 19090-5010
(215) 443-6939
(215) 449-6935 (fax)

Air Reserve Station, Willow Grove

Mr. Charanjit Gill
913 AW/SPTG/CEV (Air Force Reserve)
2164 McGuire Street
Willow Grove ARS, PA 19090-5232
(215) 443-1105
(215) 443-1208 (fax)

GOVERNMENT AGENCIES (CONTINUED)

Capt. Richard Frattarelli
111 FW/EM (Pa Air National Guard)
1120 Fairchild Street
Willow Grove ARS, PA 19090-5236
(215) 443-1433
(215) 443-1393 (fax)

U.S. Environmental Protection Agency

Mr. Steve Hirsh
Remedial Project Manager
U.S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107-4431
(215) 566-3352
(215) 566-3001 (fax)

Mr. Bill Hudson
Community Involvement Coordinator
Office of External Affairs
U.S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107-4431
(215) 597-3221
(215) 597-0961 (fax)

Mr. Ben Mykijewycz
Head, Federal Facilities Division
U.S. Environmental Protection Agency
841 Chestnut Building
Philadelphia, PA 19107-4431
(215) 566-3351

Pennsylvania Department of Environmental Protection

Mr. David Kennedy
Pennsylvania Department of Environmental Protection
Suite 6010, Lee Park
555 North Lane
Conshohocken, PA 19428
(610) 832-6199
(610) 832-6259 (fax)

NASJRB Willow Grove

Environmental Division Director
Building 78, Public Works
Naval Air Station Joint Reserve Base
Willow Grove, PA 19090-5010
ATTN: Mr. Paul Greco
(215) 443-6937

DOCS/NAVY/5564/116010

LIST OF ELECTED OFFICIALS

FEDERAL ELECTED OFFICIALS

Senator Arlen Specter

Washington Office

530 Hart Senate Building
Washington, D.C. 20510

Pennsylvania Office

9400 William Green Federal Building
600 Arch Street
Philadelphia, PA 19106
(215) 597-7200

Senator Rick Santorum

Washington Office

120 Russell Senate Building
Washington, D.C. 20510

Pennsylvania Office

Widener Building
1 South Penn Square, Suite 960
Philadelphia, PA 19106
(215) 864-6900

Representative John D. Fox

Washington Office

13th Congressional District
510 Cannon House Office Building
Washington, D.C. 20515

Pennsylvania Office

Easton and Edge Hill Roads
Abington, PA 19001
(215) 885-3500

STATE ELECTED OFFICIALS

Senator Stewart J. Greenleaf

27 North York Road
Willow Grove, PA 19002
215-657-7700

Representative Eugene F. McGill

P.O. Box 3283
Maple Glen, PA 19002
215-654-1186

Representative Ellen M. Bard

1175 Old York Road
Abington, PA 19001
215-881-2273

COUNTY COMMISSIONERS

Mario Mele, Chair
Richard S. Buckman
Joseph M. Hoeffel, III
County Courthouse
Norristown, PA 19404
610-278-3000

LOCAL ELECTED OFFICIALS

Township Council

James R. Doherty, President
Gloria Calise, Vice President
James Doherty, Sr., Secretary
Daniel McGill, Treasurer
Elizabeth Steele, Parliamentarian

Township Manager

Michael McGee
Horsham Township Municipal Building
1025 Horsham Road
Horsham, PA 19044
215-643-3131

OTHERS

Brown & Root Environmental
600 Clark Avenue
Suite 3
King of Prussia, PA 19406-1433
ATTN: Mr. Russ Turner (Project Manager)

(610) 491-9688
Fax: (610) 491-9647

APPENDIX B
RESTORATION ADVISORY BOARD DOCUMENTATION AND MEMBERSHIP

APPENDIX B
RESTORATION ADVISORY BOARD DOCUMENTATION AND MEMBERSHIP

The TRC was formed in 1988 as part of the Installation Restoration Program. The group of 20 administrators and technical representatives, with members from local, state, and national environmental agencies, met 13 times from its formation to its evolution into a Restoration Advisory Board in August 1996. The group membership rose to 32 to include 17 community members. The current RAB membership is included. The community members are also listed below.

**NAMES AND ADDRESSES OF RAB MEMBERS
FOR NASJRB WILLOW GROVE, PENNSYLVANIA**

<u>RAB Member/Address</u>	<u>Phone Number</u>
U.S. EPA Region III Federal Facilities Section 841 Chestnut Building Philadelphia, PA 19107-4431 ATTN: Mr. Steve Hirsh	(215) 566-3352
U.S. EPA Region III Office of External Affairs 841 Chestnut Building Philadelphia, PA 19107-4431 Attn: Mr. Bill Hudson	(215) 597-3221
Pennsylvania Department of Environmental Protection Suite 6010, Lee Park 555 North Lane Conshohocken, PA 19428 ATTN: Mr. Dave Kennedy	(610) 832-6199
Pennsylvania Department of Environmental Protection UST Program Suite 6010, Lee Park 555 North Lane Conshohocken, PA 19428 ATTN: Ms. Pamela Reigh	(610) 832-5929 Fax: (610) 832-6143
Horsham Township Horsham Township Manager 1025 Horsham Road Horsham, PA 19044 ATTN: Mr. Michael McGee	(215) 643-3131

RAB Member/Address (cont.)

Phone Number

Horsham Township Water Authority

617 Horsham Road
Horsham, PA 19044
ATTN: Mr. Ralph McQuaid

(215) 672-5606

NASJRB Willow Grove

Executive Officer
Building 1
Naval Air Station Joint Reserve Base
Willow Grove, PA 19090-5010
ATTN: CDR Terray E. Wood (Co-Chairperson)

(215) 443-6051
Fax: (215) 443-6017

NASJRB Willow Grove

Environmental Division Coordinator
Building 78, Public Works
Naval Air Station Joint Reserve Base
Willow Grove, PA 19090-5010
ATTN: Mr. Jim Edmond

(215) 443-6939
Fax: 443-6935

NASJRB Willow Grove

Public Works Department
Building 78, Public Works
Naval Air Station
Willow Grove, PA 19090-5010
ATTN: LCDR Leemaster

(215) 443-6221

Air Reserve Station

Commander, Air Reserve Facility
913th AW/CC
Willow Grove, PA 19090
ATTN: Col. Richard Moss

(215) 443-1100

NAS Willow Grove

Public Affairs Office
Building 1, Naval Air Station
Willow Grove, PA 19090-5010
ATTN: Drew Marcotte

(215) 443-1776

Air Reserve Station

Environmental Office
913 SPTG/CEV
2164 McGuire Street
Willow Grove ARS, PA 19090-5232
ATTN: Mr. Charanjit Gill

(215) 443-1105

Air Reserve Station

Public Affairs Office
913 AW/PA
1051 Fairchild Street
Willow Grove ARS, PA 19090-5203
ATTN: Public Affairs Officer

(215) 443-1062

RAB Members/Address (cont.)

Phone/Fax/EMail

Naval Facilities Engineering Command
NAVFACENGCOM Northern Division
Tinicum Industrial Park
10 Industrial Highway MCS 10
Lester, PA 19113-2090
ATTN: Jim Colter

(610) 595-0567
ext.163
Fax 595-0555

Naval Facilities Engineering Command
NAVFACENGCOM Northern Division
Tinicum Industrial Park
10 Industrial Highway MCS 10
Lester, PA 19113-2090
ATTN: Barbara Douglas

(610) 595-0567
ext.183
Fax 595-0555

Community RAB Member/Address

Phone/Fax/EMail

Mary (Liz) Gemmell
Community Co-Chairperson
26 Harding Avenue
Hatboro, PA 19040

Home: (215) 674-3943
Work: (215) 881-5905
Fax: (215) 881-5920

Eric Lindhult
2350 Huntingdon Road
Huntingdon Valley, PA 19006

Home: (215) 657-5786
Work: (215) 830-2059
Fax: (215) 657-5454

Thomas Hibbs
4110 Orangemans Road
Hatboro, PA 19040

Work: (215) 672-6107

John A. Dagostino
2508 Damian Drive
Hatboro, PA 19040

Home: (215) 675-3912
Work: (215) 659-2044
Fax: (215) 659-2045

Clifford M. Mars
27 Wynmere Drive
Horsham, PA 19044

Home: (215) 641-1802
Work: (609) 985-6669
Fax: (609) 985-8951

James J. Vetrini
100 Home Road
Hatboro, PA 19040

Home: (215) 674-5267
Work: (215) 702-4520
Fax: (215) 702-9548

Daniel McCaffrey
P.O. Box 241
Horsham, PA 19044

Home: (215) 957-1618
Work: (215) 443-7154
Fax: (215) 957-5195

Richard L. Peffall
1 Sterling Drive
Horsham, PA 19044

Home: (215) 646-2093
Work: (610) 278-3981
Fax: (610) 278-3843

Robert P. Williams
2159 Palomino Drive
Warrington, PA 18976

Work: (215) 343-2969

Community RAB Member/Address

Phone/Fax/EMail

Thomas W. Meissgeier
120 Hunt Drive
Horsham, PA 19044

Home: (215) 542-3841
Work: (609) 655-3400
Fax: (609) 655-3595

T.H. Roth
303 Pearl Avenue
Horsham, PA 19044

Work: (215) 443-7770
Fax: (215) 676-2706

Tom Friedman
52 Brook Side Court
Horsham, PA 19044

Home: (215) 674-8973
Work: (215) 674-5050
Fax: (215) 672-2922

Ray Leopold
1366 Nevarc Road
Warminster, PA 18974

Home: (215) 675-5196
Work: (215) 675-3750
Fax: (215) 675-3750

John C. Martin
38 Pickwick Drive
Doylestown, PA 18901

Work: (215) 348-5762

Barbara Curtis
Director of Corporate EHS
Next Level Systems, Inc.
2200 Byberry Road
Hatboro, PA 19040

Home: (610) 294-8206
Work: (215) 830-5110
Fax: (215) 830-5114

Jane Bedinger
116 Fitch Road
Hatboro, PA 19040-3503

Home: (215) 675-4433

Jack Dunleavy
13 Everett Avenue
Willow Grove, PA 19090

Home: (215) 597-0072
Work: (215) 784-0711

APPENDIX C
COMMUNITY INTERVIEW RESPONSES

**Willow Grove
Community Interview Responses**

Total number of participants - 12

Respondents could give more than one answer.

<u>How long have you lived in this community?</u>	
<u>Response</u>	<u>Number of responses</u>
0 (business person living outside community)	2
<10 years	2
10 - 19 years	2
20-29 years	4
30 - 39 years	2
<u>What are the issues you notice getting a lot of attention in your local area?</u>	
<u>Response</u>	<u>Number of responses</u>
Development/open space	7
Possible sale of water authority to Philadelphia Suburban Water Company	2
Education	2
Sewer Authority	1
Spills into creeks	1
Groundwater issues	1
Water	1
Administrative activity	1
Parklands	1
Air quality in schools	1
Taxes	1
Water towers	1
Crime	1
Doesn't know	1
<u>How sensitive is the local area to environmental issues, on a scale from 1 to 5 (1 being not sensitive, 5 being extremely sensitive)?</u>	
<u>Response</u>	<u>Number of responses</u>
1	1
2	0
3	4
4	3
5	4

What do you think is the most important environmental issue facing the community today?

<u>Response</u>	<u>Number of responses</u>
Development/open space	7
Trash	1
Government working with industry and community	1
Groundwater	1
Noise	1
Water runoff	1
Cleanup of sites	1
Stream pollution	1
Sewage treatment	1
Delivery of water	1
Recycling	1

Who do you consider to be leaders in the community?

<u>Response</u>	<u>Number of responses</u>
Township Council	9
Mike McGee (Township Manager)	3
Chamber of Commerce	3
Jim Owens (Township Council member)	2
Jaycees	1
Ron Mintz (local developer)	1
Non-profit groups (e.g., Chamber of Commerce, Little League, Soccer, Residents Against Irresponsible Democracy)	1

Have you or any of your relatives ever worked at NASJRB Willow Grove (respondents off the base only)?

<u>Response</u>	<u>Number of responses</u>
No	6
Yes	4

How close do you live to NASJRB Willow Grove?

<u>Response</u>	<u>Number of responses</u>
<1 mile	6 (includes businesses)
3 to 4 miles	2
6 to 7 miles	2
10 miles	1
15 miles	1

What is it like to have the air station as a neighbor?

<u>Response</u>	<u>Number of responses</u>
Positive response	10
Negative response	1
No response	1

Specific positive responses: Brings money into local economy, great view of air show.

Specific negative responses: Noise, possibility of crash.

Do you know what kinds of operations NASJRB does (off-base respondents only)?

<u>Response</u>	<u>Number of responses</u>
Yes	8
No	2

Training and use by Reserves were the types of operations listed by those responding "yes."

In your opinion, what does the public think about federal and state regulatory agencies, such as EPA and PADEP, in the area?

"Some people don't know what they are or don't think they're strict enough."

"They are quasi-regulatory agencies that make up non-enforceable laws."

"Bureaucratic."

"Politically motivated."

"Unnecessary."

"They are doing their jobs."

"They are watch dogs."

"They are agencies that don't have enough teeth."

"They are there to protect us from big organizations that don't care about us. Sometimes they go too far. Over-regulation inhibits business. Balance is necessary."

"EPA does a good job. The average citizen wouldn't think anything of it if they're dealing with the agencies."

Which organizations or people seem most credible about their concerns for the environment?

<u>Response</u>	<u>Number of responses</u>
EPA	4
Open Space	1
Greenpeace	1
Not Greenpeace	1
PADEP	1
Army Corps of Engineers	1
Sierra Club	1
American Petroleum Engineers	1
American Association of Groundwater Engineers	1
Residents Against Irresponsible Democracy	1
Conservation District	1
Navy	1
Sewer Authority	1
Golf Course Superintendents of America	1
Audubon Sanctuary Program	1
Grassroots community groups	1
No response	3

Do you know what EPA's Superfund list is?

<u>Response</u>	<u>Number of responses</u>
Yes	10
No	2

Did you know NASJRB Willow Grove was on the military version of the Superfund list?

<u>Response</u>	<u>Number of responses</u>
Yes	3
No	8
No response	1

Were you aware of any environmental issues on the air station? If so, how did you learn about them?

<u>Response</u>	<u>Number of responses</u>
Yes	1
Yes - word of mouth	5
No	4
Assumed there would be because of military use of the site	2

Have you had or heard of any problems you think are attributable to NASJRB?

<u>Response</u>	<u>Number of responses</u>
Yes	6
No	6

Some problems that were mentioned were an oil spill, sewage into a creek, noise, and traffic during air shows.

Do you think the air station officials respond to public concerns? If so, are their actions credible?

<u>Response</u>	<u>Number of responses</u>
Yes	11
Doesn't know	1

Several people commented that the Navy does a good job keeping the community informed about activities through such means as open houses and newspaper articles.

Do you participate in any public hearings or meetings in the community? If so, on what issues?

<u>Response</u>	<u>Number of responses</u>
No	4
Township meetings	3
Planning commission meetings	2
Development/Open space issues	3
Zoning issues	1
Signage issues	1
School meetings	1

Are you involved in any civic organizations? If so, which ones?

<u>Response</u>	<u>Number of responses</u>
No	7
Jaycee	1
Rotary	1
Chamber of Commerce	1
Police organizations	1
Township Council	1
Planning Commission	1
Elected Committeewoman	1

What is your opinion of the government's commitment to clean up the environment?

<u>Response</u>	<u>Number of responses</u>
Very committed	3
Committed	4
Could be better	2
Not enough commitment	3

Have you participated in any activities on the air station? If so, which ones (respondents off the base only)?

<u>Response</u>	<u>Number of responses</u>
Yes	10
Airshows	7
Change of Command	2
Open house/site tours	2
Reserve duty	1
TRC meetings	1

Would you like to be involved in future clean-up activities on the air station?

<u>Response</u>	<u>Number of responses</u>
Yes	7
No	5

Two people expressed interest in RAB membership.

How do you want to receive information about clean-up activities on NASJRB?

<u>Response</u>	<u>Number of responses</u>
Newsletters/Fact sheets	9
Newspaper	6
Township newsletter	2
Base newsletter	1
Meetings	1
No response	1

What sort of information would you like regarding air station cleanup?

<u>Response</u>	<u>Number of responses</u>
Significant milestones	6
Groundwater information	2
RAB meeting information	1
No response	3

How often would you like to receive information?

<u>Response</u>	<u>Number of responses</u>
At times of significant milestones	6
Semi-annually	1
Quarterly	1
No response	4

What would be the best location for meetings about NASJRB clean-up efforts that members of the community could attend?

<u>Response</u>	<u>Number of responses</u>
Base	7
Township Building	5
High School auditorium	4
Air Force Theater	1
No preference	1

Four people thought that some community members might feel intimidated by going on base, but three people thought that the public likes to go on base because it is a place that is not always freely open to them.

A library of information from past air station clean-up meetings is kept at the Horsham Township Administration Building on Horsham Road. Is that still a good location, or is there a better one?

<u>Response</u>	<u>Number of responses</u>
Yes	9
On base	2
No answer	1

The Hatboro and Upper Moreland libraries were mentioned as possible good locations.

Several people did not know about the information repository.

Two people felt very strongly that an information repository should be available on base. Both felt that, if a member of the community requested information from the Navy, he or she should be invited to the base rather than sent to an off-base location. One of the two people said that he had heard that the township was not always cooperative when people asked to see the information repository.

The air station is convening a Restoration Advisory Board (RAB) to enhance community understanding of environmental efforts. What do you think of this?

<u>Response</u>	<u>Number of responses</u>
Positive response	10
No response	2

Who do you think should represent the community as members of the RAB?

<u>Response</u>	<u>Number of responses</u>
Community members	5
Private industry	5
Interested parties	3
Civic leaders	2
Township manager	1
Service organizations	1
Technical interests	1

Where do you get your information about the community?

<u>Response</u>	<u>Number of responses</u>
Newspapers	11
Word of mouth	3
Township meetings	3
Township newsletter	1

What newspapers do you read?

<u>Response</u>	<u>Number of responses</u>
Montgomery County Record	9
Inquirer	7
Public Spirit	3
Intelligencer	2
Willow Grove Guide	2
Horsham newsletter	2

What television stations do you watch?

<u>Response</u>	<u>Number of responses</u>
Channel 6	5
Channel 10	4
Channel 3	2
PBS	1
Local news station	1
CNN	1
Channel 29	1
Not worth putting on any TV channel	4

Which radio stations provide your community news?

<u>Response</u>	<u>Number of responses</u>
KYW	5
WHYY	1
WFLN	1
WNAR	1
WBUX	1
No answer	1
Not worth putting on radio	4

Do the media adequately cover environmental issues?

<u>Response</u>	<u>Number of responses</u>
Yes	4
No	6
No response	2

Several people said that the media "cover environmental issues when they got a hot story but not as regular news. It would be nice if progress were reported."

Have the media covered your concerns?

<u>Response</u>	<u>Number of responses</u>
Yes	3
Somewhat	2
No	2
No response (no concerns)	5

Can you suggest other individuals or groups that should be contacted for additional information on environmental issues?

<u>Response</u>	<u>Number of responses</u>
-----------------	----------------------------

Among those mentioned were RAID, Roy Cronell, local politicians, church groups, civic groups, Rotary, Chamber of Commerce, Sewer and Water Authorities, Planning Commission.

APPENDIX D
INFORMATION REPOSITORY LOCATIONS AND HOURS
PUBLIC MEETING LOCATIONS

APPENDIX D

INFORMATION REPOSITORY LOCATIONS AND HOURS
PUBLIC MEETING LOCATIONS

Information Repository

Information Desk (on a shelf below the counter)

Horsham Township Municipal Building
1025 Horsham Road
Horsham, Pennsylvania 19044

Contact: Richard A. Kirkman, Assistant Town Manager

telephone: 215-643-3131

hours of operation: 8:30 am to 4:30 pm Monday through Friday

Public Meeting Locations

Willow Grove Air Reserve Station
Commanders Conference Room
Building 203
Horsham, Pennsylvania 19044

Navy Environmental Office
NASJRB Willow Grove
Contact: Jim Edmond (215) 443-6939
Hours of Operation: By Appointment

Air Force Reserve Environmental Office
WGARS
Contact: 913th AW/PA (215) 443-1062
Hours of Operation: By Appointment

PA National Guard Environmental Office
Contact: Capt. Richard Frattonelli
(215) 443-1437
Hours of Operation: By Appointment

APPENDIX E
TECHNICAL ASSISTANCE GRANTS PROGRAM

APPENDIX E
TECHNICAL ASSISTANCE GRANTS PROGRAM

The Technical Assistance Grants (TAG) program provides grants to local groups affected by Superfund sites. Under the TAG program, an initial grant of up to \$50,000 can be provided to an eligible group to hire a technical advisor to help the group understand the environmental activities at the site. The role of the technical advisor is to provide such services as participation in meetings related to the site, review of site environmental data, and interpretation of information for the group. The TAGs are not to be used to initiate new investigations or to underwrite legal actions.

TAGs are available to any non-profit, incorporated (or in the process of becoming incorporated) group that is made up of individuals who are adversely affected by residence near a site (i.e., health, economic well being, or enjoyment of the environment are impacted). Potentially responsible parties, academic institutions, political parties, and groups sustained by governmental entities are not eligible.

For further information about the application process for and requirements of the TAG program, contact the EPA Region III office at 841 Chestnut Street, Philadelphia, Pennsylvania 19107-4431 [(215) 597-6915]. In addition, detailed information is provided in the Superfund Technical Assistance Grant Handbook, also available through the Region III office.