



DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
2155 EAGLE DR , P O BOX 190010
NORTH CHARLESTON, S C 29419-9010

32501.000
03.03.00.0042

PLEASE ADDRESS REPLY TO THE
COMMANDING OFFICER NOT TO
THE SIGNER OF THIS LETTER
REFER TO

5090/13
Code 1851
07 July 94

CERTIFIED MAIL- RETURN RECEIPT REQUESTED

N00204.AR.000738

Ms. Allison Humphris
U. S. Environmental Protection Agency (EPA)
Region IV
4WD/FFB
345 Courtland Street, N.E.
Atlanta, GA 30365

NAS PENSACOLA
5090.3a

Subj: SITE MANAGEMENT PLAN, NAVAL AIR STATION PENSACOLA, FL

Dear Ms. Humphris:

The Navy respectfully submits the revised SMP as Enclosure (1). Comments of 27 May 1994 from FDEP and 1 June 1994 from BPA have been received and the following actions have been taken:

FDEP stated "In light of partnering and the need to agree on the 1994 schedule, the revised version appears acceptable in its present form; though, it appears overly optimistic in the satisfactory completion of work by the proposed dates." FDEP recommended future versions of this document be limited to the next upcoming fiscal year' with proposed dates beyond one year to be only general. Also, the proposal of an SMP with realistic time allocations for quality document preparation and review, should not be overshadowed by the envisioned need to complete the assessment by the year 2000.

Response: The Navy has complied with Section XXIII "DEADLINES" para. "a" of the FFA during preparation of the SMP.

Additional comments from EPA stated the following:

1. Clarify that "Categories" are not equivalent to "Operable Units" in para. 6.

Response: The wording has been changed to comply with this comment.

2. This comment states EPA will require the following category-specific review times in order to maintain review schedules for large numbers of documents simultaneously as discussed in the April 1994 conference call.

Response: Review times have been extended for the primary documents as discussed and each party verified their agreement to

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these times at our Tier I Partnering meeting in Memphis on 30 June 1994.

3. EPA recommends the Draft FS report for all Operable Units should be simultaneously with, rather than prior to, the Draft Final RI report.

Response: The Navy has incorporated this recommendation in the current version of the SMP with an exception to Operable Unit 10 which was agreed upon by each party at our Tier I Partnering meeting in Memphis on 30 June 1994.

4. EPA recommends to simplify the format of future SMPs as much as possible and gives examples.

Response: Such recommendations should be discussed at our future "Partnering" meetings.

If you should have any questions regarding the enclosure, please contact Bill Hill (Code 1851) or Bill Gates (Code 18510), at (803) 743-0324 or (803) 743-0360 respectively.

Sincerely,



WILLIAM J. HILL
Environmental Engineer
Installation Restoration I Branch

Encl :

(1) Revised FY 94 SMP

copy to:

NAS Pensacola (Mr. Ron Joyner, Code 00500) w/encl

NAS Pensacola (Ms. Michele Harrison) w/encl

Ensafe (Mr. Henry Beiro) w/encl

Ensafe (Mr. Brian Caldwell) w/encl

Bechtel (Mr. Larry Trautner) w/encl

REVISED
1994 SITE MANAGEMENT PLAN (SMP)
OF THE INSTALLATION RESTORATION PROGRAM
FOR TEE
NAVAL AIR STATION PENSACOLA
PENSACOLA, FLORIDA

05 JULY 1994

Prepared By:
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
Charleston, South Carolina
29418

1. THE BASIS FOR A SITE MANAGEMENT PLAN

The requirement for the Site Management Plan (SMP) is identified in the Federal Facilities Agreement (FFA) signed by the United States Environmental Protection Agency (US EPA), the State of Florida, Florida Department of Environmental Regulation (FDER) (now Florida Department of Environmental Protection [FDEP]), and the Department of the Navy (DoN). The FFA was entered into based on the requirement for an interagency agreement identified in the Superfund Amendments and Reauthorization Act (SARA), Section 120(e)(2). The intent of the plan is to provide: (1) an action deemed necessary to mitigate any immediate threat to human health or the environment, (2) a list of Operable Units (OUs) subject to the terms of the FFA, (3) a prioritization and rationale for the OUs at NAS Pensacola, (4) activities and schedules for work planned the current year, including the submittal schedule for both primary and secondary documents, and (5) work projections for subsequent calendar years. With the FFA being signed on 23 October 1990, and having a declared effective date of 1 November 1990, this is the revised third Annual Update of the SMP.

2. OVERALL MANAGEMENT APPROACH

Three major investigations have been conducted at NAS Pensacola. The DoN developed the Navy Assessment and Control of Installation Pollutants (NACIP) Program to identify and control environmental contamination from past use and disposal of hazardous substances at Navy and Marine Corps Installations. The NACIP Program is now part of the Navy's Installation Restoration Program (NIRP), and is similar to the US EPA "Superfund" Program authorized by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980. The three major investigation activities performed at NAS Pensacola under the NIRP or Superfund Programs are the following: (1) Initial Assessment Study (IAS) or Preliminary Assessment (PA), (2) Verification Study (VS) or Site Inspection (SI), (3) and the Confirmation Study (CS) or Extended Site Inspection (ESI). The IAS (1982-1983) was conducted by the Naval Energy and Environmental Support Activity (NEESA) and identified and assessed 29 Potential Sources of Contamination (PSC) at NAS Pensacola which could pose a potential threat to human health or the environment as a result of contamination derived from past Naval operations. The VS (1984) and the CS (1985-1986) were conducted by Geraghty & Miller, Inc. to confirm or refute the presence of contamination at the PSC sites identified in the IAS, as well as possibly locate additional PSCs. If contamination was detected, the magnitude and the extent of contamination would have been evaluated to allow for the recommendation of future remedial response action at these PSCs.

In addition to the NIRP/CERCLA Remediation Program, NAS Pensacola has other active regulatory programs. A Florida Resource Conservation and Recovery Act (RCRA) permit was issued to NAS Pensacola by the FDER. Concurrently, a RCRA/Hazardous and Solid Waste Amendments (HSWA) permit was issued to the installation by US EPA on July 1988. A RCRA Facility Assessment (RFA) was included in the US EPA issued permit, and additional PSCs sites

were located. An Underground Storage Tank (UST) Program is currently **investigating** multiple tank sites as provided by the Florida **Administrative Code, Section 17-770**. Also any *site* specific **Applicable or Relevant and Appropriate Requirements (ARAR)** areas will be followed.

A total of **42 PSCs** have been identified at **NAS Pensacola**. Of the **42 PSCs**, **sixteen (16) PSCs** (see Table 1-1) are undergoing **screening** and **twenty (20) PSCs** (see Table 1-1) **require RI/FS** as identified in the **FFA**. This **reflects** screening site **35** being updated to **RI/FS status** and added to **OU 10**. The Screening process of the **sixteen (16) PSCs** is due to **the present data** quality objective inadequacies and data gaps, or due to a **preliminary determination** that **No Further Remedial Action Planned (NFRAP)** is required. The **sixteen (16) PSCs** undergoing screening will not be included or tracked in the **SMP**, unless they have been categorized with operable Units for investigative and reporting purposes. Screening PSCs which are not associated with an Operable Unit at this time and do not have a description are **PSC 14** in **Category 5** and **PSCs 4, 5, 6, 7, and 16** in **Category 7**. **Category 8** includes **screening PSC 36 only**, however, a schedule is included for information. Each operable Unit narrative thus **identifies** and briefly describes all sites to which the accompanying operable Unit specific schedules applies. The schedules are enforceable, however, only for those sites for which an **RI/FS** has been required.

Screening is currently underway or planned for **sixteen (16) PSCs** in the **IR program**, and a schedule status will continually track the investigation progress and provide updates to the Remedial Project Managers (RPMs). Each screening PSC will remain as a **screening PSC** until such time as defensible and validated **Level III or IV data** becomes available. Once available, the Navy will utilize such data to either prepare individual PSC assessment reports to support a **No Further Remedial Action Planned (NFRAP)** determination with **USEPA/FDER** concurrence or immediately reclassify the site to **RI/FS status**. When any **screening PSC** is reclassified to **RI/FS status**, each existing category's nonenforceable due dates will become enforceable due dates.

Operable Unit 9; **PSC 31, "Soil North of Building 648"** has been combined with **Category 3, OU 2; PSC 30, "Building 649 and 755"** (the other si& of Building 648) because they have the same contaminants.

Category 2; Operable Unit 7; PSC 27, "Radium Dial Shop Sewer" and Screening PSC 25; "Radium Spill Site" have been moved to **Category 3** so they can be reported together with **OU 2**.

Category 7, OU 18, PSC 26, "Supply Department Outside Storage", and **Category 7, Screening PSC 12, "Scrap Bins"**, have been moved to **category 3** due to their **geographic** proximity to **Category 3 PSCs**.

All **Category 3 RI PSCs (11, 26, 27, 30)** have been combined into one **OU (OU2)** due their geographic proximity and common potential remediation. All **Category 3 Screening PSCs (12, 25)** are associated with **OU 2**.

Category 3, OU 3, PSC 2, "Waterfront Sediments", and Category 3, OU 11, PSC 38, "Bldg. 71 Sewer Line TL 073/C Southwest to End", have been moved to Category 2 to expedite completion of investigation.

The five (5) remaining PSCs that will not proceed in the IR Program are PSCs 19, 20, 21, 23, and 37. These sites were transferred to the Underground Storage Tank (UST) Program and are not included or tracked in this SMP. The UST Program is a State regulated program, in which the State of Florida has a regulated process for the remediation of petroleum contaminated sites.

The SMP provides a PSC Installation Restoration (IR) Program event management plan. Included in the SMP is a description of NAS Pensacola's PSC program arrangement into Remedial Activity Categories and Operable Units (OUs). The SMP discusses and identifies the management and deliverables of those PSCs undergoing the RI/FS Phase I and Phase II for 1993-1994 such as field work, data reports, and workplans. This SMP also projects the management and the deliverables for outlying years 1995, 1996, and 1997 such as Baseline Risk Assessment Report (BRA), Feasibility Study (FS), the Record of Decision (ROD), and proposed Remedial Action Plan (RAP). The projected scheduling of the IR program tasks is shown through the published public notice and the signing of the Record of Decision. Detailed within this SMP are the program events to take place in the upcoming year (1993-1994), as well as the delivery due dates for Draft and Draft/Final primary documents and target dates for secondary program documents.

TABLE 1-1
IDENTIFICATION OF PSCs REQUIRING ACTION
NAS PENSACOLA

Category #	OU #	PSC	Site Description	FFA Requires	Type of Contamination
1	—	13	Magazine Point Rubble Disposal	C Screen	Rubble, Metal, Concrete
1	10	32	IWTP Sludge Drying Beds	H,C RIPS	F006 HW
1	10	33	WWTP Ponds	H,C RI/FS	F006 HW wood, bricks
1	10	35	Miscellaneous IWTP SWMUs	H,C RI/FS	Unknown
2	1	1	Sanitary Landfill	H,C RI/FS	Solvents, PCP, Plating Soln. , oil, paints, mercury, and asbestos
2	3	2	Waterfront Sediments	H,C RI/FS	Solvents, cyanide, metals
2	11	38	Bldg. 71 Sewer Line TL 073/C southwest to the end	H,C RI/FS	Paint-stripper, ketones, TCE, Industrial Waste
2	12	39	Oak Grove Campground Site	H,C RIPS	Debris, POL, broken clay, coal, cleaning solutions
3	2	11	N. Chevalier Disposal Field	H,C RI/FS	Industrial waste, oils, HW
3	—	12	Scrap Bins	C screen	Wet garage material
3	—	25	Radium Spill Site	C screen	Radioactive waste
3	2	26	Supply Department Outside Storage	H,C RI/FS	Industrial waste, oils
3	2	27	Radium Dial Shop Sewer	H,C RI/FS	Radium, phosphorus
3	2	30	Bldg. 649 & 755 Bldg. 640 (previously PSC 31) Sewer Line TL 045/A north to IWTP	H,C RIPS	Metals, acids, caustic, degreasers, chromic soln, cyanide, print, pesticides, paint thinner and sludge, Industrial Waste

**TABLE 1-1 (Continued)
IDENTIFICATION OF PSCs REQUIRING ACTION
NAS PENSACOLA**

Category#	OU#	PSC	Site Description	FFA Requires	Type of Contamination
4	15	40	Bayou Grande Area	C RI/FS	unknown
4	16	41	NASP Wetlands	C RI/FS	unknown
4	17	42	Pensacola Bay	C R I A	unknown
5	8	3	Crash Crew Training	H,C RI/FS	Leaded gas
5	6	9	Navy Yard Disposal	C RI/FS	trash and refuse
5	—	10	Commodores Pond	C screen	underwater storage of oak timbers
5	—	14	Dredge Spoil Fill	C screen	Dredge
5	6	29	Soil South of Bldg. 3460	H,C RI/FS	Slimy block substance (unknown)
5	—	34	Solvent North of Building 3557	H,C screen	solvent detergent
6	4	15	Pesticide Rinseate Disposal Area	H,C RI/FS	Organic pesticide
6	14	17	Transformer Storage Yard	H,C RI/FS	Dielectric oils, PCBs
6	—	18	PCB Spill Area	C screen	Transformer oil, PCBs
6	—	24	DDT Mixing Area	C screen	DDT w/ diesel fuel
6	—	28	Transformer Accident	C screen	Transformer oil
7	—	4	Army Rubble Disposal	C screen	Rubble, timber, pipes, other wastes
7	—	5	Borrow Pit	C screen	unknown
7	—	6	Fort Redoubt Rubble Disposal	C screen	Concrete, asphalt rubble, wood, metal, plastics, and other debris
7	—	7	Firefighting School	C screen	POLs
7	—	8	Rifle Range Disposal	C screen	solid waste, paper
7	—	16	Brush Disposal Area	C screen	pruning and tree trimming refuse
7	13	22	Refueler Repair Shop	C RI/FS	Aviation gas w/ bad, JP fuel

TABLE 1-1 (Continued)
IDENTIFICATION OF PSCs REQUIRING ACTION
NAS PENSACOLA

Category#	OU#	PSC	Site Description	FFA Requires	Type of Contamination
8	—	36	IWTP Sewer Line	H,C screen	Industrial waste

- Explanation:
Statutes: H- HWSA
C- CERCLA

In addition, the CERCLA Remedial Investigation/Feasibility Study (RI/FS) process is tailored to **allow** prioritization of PSCs according to **potential** threat to human health **and** the environment. The process **initially** focused on **source** identification, **with** delineation of soil/sediment, groundwater and surface water contamination. In **this process** data is continually assessed and sites evaluated to **determine** if **contamination** is present, if it presents a threat, if **it has been delineated**, and **finally** what further **action** is needed (**i.e., delineation**, IRA, or evaluation of remedial alternatives). **This process** has attempted to **reduce** lengthy interim report development and review times by allowing continual **data assessment** and rapid decision-making. In addition, the ideal purpose of **this approach** is to eliminate **the need** for formal interim **data reports**. Specifically, the data gaps and the information **needed** to **fill** those gaps **shall be** identified by evaluating the **data** itself rather than by **evaluating** a formal **data report**. A formal report **shall be** prepared once the nature and extent of contamination **has** been adequately delineated for the purposes of performing a Baseline Risk Assessment (BRA) and selecting a Remedial Action.

Decisions concerning **data** assessment and actions **to be taken** can be made during Remedial Project Managers (RPM) meetings. These meetings **will** provide a forum for discussion of investigative results and proposed actions. The **verbal** decisions may **be final** with **no reporting** and review time **required**.

If **initial data** evaluation indicates groundwater and/or surface water to **be an immediate** threat to human **health** or the environment, interim actions may **be performed** to mitigate further **transport** from the site. If groundwater or surface water contamination is not judged to **be an immediate** threat, delineation may **be performed on** a larger scale by viewing local aquifer and surface water systems **as an individual Operable Unit(s)** which may **be impacted** by **several sites** simultaneously.

This approach synthesizes prioritization of PSCs with a realistic view of dynamic environmental systems. **Areas** more easily **defined** can be identified and **treated**, thereby removing **potential sources** of contamination in a timely manner. Flowing groundwater and surface water systems **are** naturally continuous without **regard** for PSC boundaries, and may **be investigated and treated** as a single system.

The RI/FS process **is responsive** to individual PSC characteristics and technical requirements, and **attempts** to **minimize** lengthy delays **between field actions**. **This process provides the Navy flexibility** to **address** PSCs, OUs, or a set of PSCs/OUs separately or as a whole. In **addition**, specific **matrices** (**i.e., soil/sediment, groundwater, surface water, or air**) of individual PSCs, or OUs, **can be treated** separately if necessary, or a **single matrix** may **be investigated at** one time across the entire facility.

As **agreed upon in** the FFA, the DoN **shall** update the SMP yearly. Updates (due September 1 of each year) will reflect changes in project priorities, changes in scheduling, and the **addition**

or deletion of sites due to the site condition or **program** accomplishments with the continued regulatory agency and the **Technical Review Committee** (TRC) review.

3. RATIONALE FOR OPERABLE UNIT SITE GROUPINGS

To facilitate implementation of the NAS Pensacola RI/FS program, the twenty (20) PSCs requiring RYFS have been clustered into fourteen (14) Operable Units (OUs). The scheduled work at these OUs is being offset based on relative potential threat, schedule optimization and task management. The category priorities were originally formulated in the Site Management Plan, at the June 1992 RPM meeting for Category 1-4 and in August 1992 for Category 5-7 for the yearly SMP submittal. As a result of the 1993 Base Realignment and Closure process, category priorities were modified and are reflected in the following operable unit narratives. The criteria used to generate the RI/FS OUs was as follows:

- 1) geographic proximity of sites
- 2) similar contamination types
- 3) similar aquifer contamination zones
- 4) similar potential investigation methods
- 5) potential scope and complexity of the investigation
- 6) mission impact of remedial activities
- 7) regulatory concerns
- 8) similarity of potential remedial actions
- 9) potential for human exposure/contact
- 10) suspected mobility of potential contaminants
- 11) potential for off-site migration and exposure
- 12) relative threat to groundwater (e.g., suspected date, and volume of release)

These Operable Units may be re-defined as more data is collected and evaluated. Ultimately, an Operable Unit will consist of PSCs and matrices which require similar remedial efforts, or potential for human exposure/contact, or for earlier remediation.

Due to the large number of PSCs on NAS Pensacola overall, the number of PSCs in each OU, and the aggregate complexity of the contamination problem at each OU, the commencement of work at all OUs concurrently is not feasible. The schedule is staged in nature to provide a coherent effort by the investigative and engineering team to enable a higher quality assessment of the problem and more accurate identification of a suitable remedial response action required.

The aggregation of the PSCs and the assignment of priorities was based on the twelve (12) criteria stated above. The actual or potential threat posed by the PSCs known or suspected contamination, and early remediation.

4. PSC SITE SMP EXCLUSION

The sixteen (16) Potential Sources of Contamination (PSCs) undergoing screening activities are not included nor otherwise addressed hereafter in the SMP, unless they have been grouped with Operable Units for investigative and reporting purposes. After screening the sixteen (16) PSCs, the DoN will determine future response activities. If RI/FS activities are recommended, the DoN shall incorporate these PSCs into existing Operable Units, or designate them as new Operable Units following the criteria listed in Section 3. When established, the future additional OUs shall become part of the SMP, and a revision to the SMP shall be made.

5. OPERABLE UNIT SCHEDULING

Operable Unit schedules are based on the issuance of draft primary and secondary submittals. The schedule allows for review and comment periods as identified in the FFA. If these review and comment periods are shortened by the parties of the FFA by their ability to perform the required review in less than the provided periods, the DoN may be able to start and execute plans earlier. Also, the following line items have been listed as a reminder:

- (1) The SMP schedule assumes no dispute resolution.
- (2) Quarterly reports will be submitted as required in the FFA.
- (3) Due to present contracting procedures, Sampling and Analysis Plans are submitted separate from the work plan and are listed as separate deliverables in some OUs.

6. OPERABLE UNIT NARRATIVES

The following are narratives describing the contents of each OU. A brief description of each OU and what is known about its contamination is included. The events for the upcoming year are listed, the due dates of primary documents, and the target dates of secondary documents are provided. A schedule, for primary documents only, is included for the first outlying year. The upcoming and outlying year are on one time line schedule for each Category. For the long term view, a list of projected schedule program tasks through signing of the Record of Decision is identified.

NOTES:

THE FOLLOWING TASK CHARTS FOR ALL OPERABLE UNITS ARE CATEGORY SPECIFIC RATHER THAN OU-SPECIFIC FOR ALL WORK. IN THE FY 94 SMP SUBMITTAL ONLY ONE TASK CHART WILL BE PROVIDED PER CATEGORY.

(P) DESIGNATES A PRIMARY DOCUMENT ACCORDING TO PAGE 21 OF FFA

(S) DESIGNATES A SECONDARY DOCUMENT ACCORDING TO PAGE 22 OF FFA

**R/FS CATEGORY #1: OPERABLE UNIT 10: PSC 32: IWTP SLUDGE DRYING BEDS,
PSC 33: WWTP PONDS, PSC 35: MISCELLANEOUS IWTP SWMUs, and SCREENING
PSC 13, MAGAZINE POINT RUBBLE DISPOSAL:**

DESCRIPTION:

PSC 32, Industrial Wastewater Treatment Plant (IWTP) Sludge *Drying Beds*. These **contiguous units** were operated with the **IWTP** from **1971 to 1984**. These units **received** listed **hazardous** waste sludges (**F006**) from the RCRA surface impoundment (IWTP Surge Pond), **and, as a result**, underwent RCRA closure in **1989**. Contents of the drying **beds** (remaining sludge and leachate drainage system) and an underlying layer of sand were removed **to** about six feet below ground **surface**. Material removed was disposed of **as a hazardous** waste. The site **was** then backfilled with clean sand and **capped** with high density asphalt. The site's **groundwater** is monitored by three (3) monitoring wells and the surrounding HSWA pennit groundwater monitoring system. The site **will** continue to **be** monitored under the HSWA permit **as a part** of the IR Program.

PSC 33, Wastewater Treatment Pond. Surface Impoundments consisting of the domestic polishing pond, phenol/stabilization pond and industrial surge pond. In **1987**, the **US EPA** RCRA Compliance Branch determined the polishing and stabilization **ponds** received **listed F006 hazardous** waste from the surge pond. The ponds **were** taken out-of-service. In **1988-1989**, the ponds underwent RCRA permitted "clean closures". The sediment in the ponds **was** removed and disposed of as **hazardous** waste. No further formal monitoring of these surface impoundments is **required**, but they are in range of the HSWA permit monitoring system. The industrial surge pond was taken out-of-service and underwent closure in **1989**. The **industrial** surge pond is **suspected** of being the **prime** contributor to the IWTP groundwater contamination. The surge pond was removed to the groundwater table. The groundwater table is approximately **six (6)** feet below ground level. Removed material was disposed of **as a hazardous waste**. The surge pond site will continue to be monitored under the HSWA permit **as part** of the IR program.

PSC 35, Miscellaneous IWTP **SWMUs**. In addition to PSC 32 and 33 **units**, other **units** in the IWTP may receive **hazardous waste** or constituents. These will **be** investigated for possible releases. Most of these **units** are above ground tanks. **These tanks require only** visual inspection for leaks, cracks, or other evidence of release. Also included **are** underground oil/sludge storage tanks and underground piping which are appurtenances to **SWMUs**. **The** following **units** are included as IWTP area **SWMUs**:

Industrial Grit Chamber
Primary Clarifier
Oil/Water Separator
Oil Storage **Tanks**

**RI/FS CATEGORY #1: OPERABLE UNIT 10: PSC 32: IWTP SLUDGE DRYING BEDS,
PSC 33: WWTP PONDS, PSC 35: MISCELLANEOUS IWTP SWMUs, and SCREENING
PSC 13, MAGAZINE POINT RUBBLE DISPOSAL-continued:**

DESCRIPTION:

Sludge Thickener
Belt Filter Presses
Parallel Flocculators
Aeration (activated sludge) Tank
Parallel Final Clarifiers
Aerobic Sludge Digester
Contact Chlorinator
Ancillary Piping, Pumps, Junction Boxes, etc.

Screening PSC 13, Magazine Point Rubble *Disposal*, will be investigated and reported on concurrently with this Operable Unit. This site is within the same area as PSC 32 and 33, and was found after the construction in 1971 and upgrading of the existing WWTP to provide tertiary treatment of industrial wastes and secondary treatment of the domestic wastes by NAS Pensacola.

These PSCs were grouped together due to the following: geographic proximity of PSCs, similar contamination types, and similar groundwater flow. Prioritization of these PSCs was due to the suspected magnitude and toxicity of contamination, the potential for off-site migration of contaminants via several pathways, and the potential for human exposure.

1994 Primary Deliverables:

Due Date:

DRAFT/FINAL RI REPORT	14 NOV 93
DRAFT FS REPORT	11 AUG 94
DRAFT/FINAL RI REPORT (REVISED)	15 AUG 94
SITE MANAGEMENT PLAN	ANNUALLY 01 SEP 94
FINAL RI REPORT	14 SEP 94

1994 Secondary Deliverables:

Target Date:

QUARTERLY REPORTS	31 OCT, 31 JAN, 30 APR, 31 JUL
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Projected Deliverables

Projected Date:

DRAFT/FINAL FS REPORT (P)	28 FEB 95
DRAFT PP REPORT (P)	28 FEB 95
FINAL FS REPORT (P)	30 MAR 95
DRAFT/FINAL PP REPORT (P)	18 AUG 95
FINAL PP REPORT (P)	17 SEP 95

**RI/FS CATEGORY #1: OPERABLE UNIT 10: PSC 32: IWTP SLUDGE DRYING BEDS,
 PSC 33: WWTP PONDS, PSC 35: MISCELLANEOUS IWTP SWMUs, and SCREENING
 PSC 13, MAGAZINE POINT**

TASK NAME	DURATION	START	END
CATEGORY I : Sites 13, 32, 33, 35	1,284.00 d	08-Jul-93	11-Jan-97
RI REPORT w/BRA	335.00 d	14-Nov-93	14-Oct-94
SUBMIT DRAFT/FINAL	1.00 d	14-Nov-93	14-Nov-93
AGENCY REVIEW	60.00 d	15-Nov-93	13-Jan-94
INFORMAL DISPUTE	1.00 d	14-Jan-94	14-Jan-94
RECEIVE EPA COMMENTS	1.00 d	10-Feb-94	10-Feb-94
EPA SAMPLING	5.00 d	07-Mar-94	11-Mar-94
EPA DATA DELIVERED	90.00 d	12-Mar-94	09-Jun-94
PREPARE DRAFT FINAL RI (REVISED)	60.00 d	10-Jun-94	08-Aug-94
SUBMIT DRAFT FINAL RI	7.00 d	09-Aug-94	15-Aug-94
RI FINALIZED	60.00 d	16-Aug-94	14-Oct-94
FEASIBILITY STUDY	822.00 d	08-Jul-93	07-Oct-95
SUBMIT DRAFT FS	1.00 d	08-Jul-93	08-Jul-93
AGENCY REVIEW	289.00 d	08-Jul-93	22-Apr-94
NAVY RCVS COMMENTS (FYI)	7.00 d	23-Apr-94	29-Apr-94
PREPARE DRAFT FS (REVISED)	90.00 d	15-Oct-94	12-Jan-95
SUBMIT DRAFT FS	7.00 d	13-Jan-95	19-Jan-95
AGENCY REVIEW	90.00 d	20-Jan-95	19-Apr-95
N A W RCVS COMMENTS	7.00 d	20-Apr-95	26-Apr-95
ADDRESS COMMENTS	45.00 d	27-Apr-95	10-Jun-95
MAIL COMMENTS	7.00 d	11-Jun-95	17-Jun-95
PREPARE DRAFT/FINAL	45.00 d	18-Jun-95	01-Aug-95
SUBMIT DRAFT/FINAL	7.00 d	02-Aug-95	08-Aug-95
FS RPT FINALIZED	60.00 d	09-Aug-95	07-Oct-95

TASK NAME	DURATION	START	END
PROPOSED PLAN	363.00 d	18-Jun-95	14-Jun-96
PREPARE PP	45.00 d	18-Jun-95	01-Aug-95
SUBMIT DRAFT PP	7.00 d	02-Aug-95	08-Aug-95
AGENCY REVIEW	60.00 d	09-Aug-95	07-Oct-95
NAVY RCVS COMMENTS	7.00 d	08-Oct-95	14-Oct-95
ADDRESS COMMENTS	45.00 d	15-Oct-95	28-Nov-95
MAIL COMMENTS	7.00 d	29-Nov-95	05-Dec-95
PREPARE DRAFT/FINAL	45.00 d	06-Dec-95	19-Jan-96
SUBMIT DRAFT/FINAL	7.00 d	20-Jan-96	26-Jan-96
PP FINALIZED	45.00 d	27-Jan-96	11-Mar-96
PREPARE PUBLIC NOTICE	20.00 d	12-Mar-96	31-Mar-96
PUBLIC COMMENT	45.00 d	01-Apr-96	15-May-96
PUBLIC MEETING	1.00 d	22-Apr-96	22-Apr-96
RESPONSIVENESS SUMMARY	30.00 d	16-May-96	14-Jun-96
RECORD OF DECISION	241.00 d	16-May-96	11-Jan-97
PREPARE DRAFT ROD	30.00 d	16-May-96	14-Jun-96
SUBMIT DRAFT ROD	7.00 d	15-Jun-96	21-Jun-96
AGENCY REVIEW	60.00 d	22-Jun-96	20-Aug-96
NAVY RCVS COMMENTS	7.00 d	21-Aug-96	27-Aug-96
ADDRESS COMMENTS	45.00 d	28-Aug-96	11-Oct-96
MAIL COMMENTS	7.00 d	12-Oct-96	18-Oct-96
PREPARE DRAFT/FINAL	30.00 d	19-Oct-96	17-Nov-96
SUBMIT DRAFT FINAL	7.00 d	18-Nov-96	24-Nov-96
ROD FINALIZED	45.00 d	25-Nov-96	08-Jan-97
ROD SIGNATURE	3.00 d	09-Jan-97	11-Jan-97

RI/FS CATEGORY #2: OPERABLE UNIT 1: PSC 1 SANITARY LANDFILL:

DESCRIPTION:

This large Solid Waste Management Unit (SWMU) received both sanitary and industrial waste over a 20 year period. Over the years, this site has received various wastes. These waste include solvents, PCBs, plating solutions, pesticides, oils, paints, mercury, medical waste, and pressurized cylinders. Reportedly, asbestos is also buried here. Twelve (12) shallow and three (3) deep monitoring well are located in the site vicinity. Samples taken from monitoring well indicate groundwater contamination exists in both the shallow and deep layer of the uppermost aquifer. These aquifers are separated by a locally semi-confining clay layer. Shallow groundwater moves north and east and discharges into the Bayou Grande. The flow direction in the underlying aquifer is southward. Two (2) deep wells used as occasional potable water supply tap into the deep aquifer. These wells are southwest within one (1) mile radius of the site. Neither of these wells are known to be contaminated. PSC 1 was identified prior to preparation of the IAS report in 1983. The site was given a very high investigative priority relative to other PSCs identified at this time. This priority was due to the suspected magnitude and toxicity of contamination, the potential for off-site migration of contaminations via several pathways, and the potential for human exposure.

1994 PRIMARY DELIVERABLES:

DUE DATE:

SITE MANAGEMENT PLAN

ANNUALLY 01 SEP 94

1994 Secondary Deliverables:

Target Date:

QUARTERLY REPORTS

31 OCT, 31 JAN,
30 APR, 31 JUL

Projected Deliverable

Projected Date:

DRAFT RI REPORT (P)

21 OCT 94

DRAFT FS REPORT (P)

19 JAN 95

DRAFT/FINAL RI REPORT (P)

05 MAY 95

FINAL RI REPORT (P)

04 JUN 95

DRAFT/FINAL FS REPORT (P)

08 AUG 95

DRAFT PP REPORT (P)

08 AUG 95

FINAL FS REPORT (P)

07 SEP 95

RI/FS CATEGORY #2: OPERABLE UNIT 3: PSC 2 WATERFRONT SEDIMENT AREA:

DESCRIPTION:

Documented quantities of industrial and hazardous waste discharged to Pensacola Bay by storm sewers over a 35 year period. Examples of these hazardous wastes are solvents, cyanide and heavy metals. Sediments samples taken show only trace amounts of metals when analyzed by EP Toxicity. Fish kills were not uncommon in this area during 1940s, 1950s, and 1960s. Periodic dredging has occurred in this area to accommodate the aircraft carrier USS Lexington. Dredging has been done to widen and deepen the channel for current aircraft carrier berthing.

Prioritization of this PSC was due to the suspected magnitude and toxicity of contamination, pathways, and the potential for human exposure.

<u>1994 PRIMARY DELIVERABLES:</u>	<u>DUE DATE:</u>
SITE MANAGEMENT PLAN	ANNUALLY 01 SEP 94

<u>1994 Secondary Deliverables:</u>	<u>Target Date:</u>
QUARTERLY REPORTS	31 OCT, 31 JAN, 30 APR, 31 JUL

<u>Projected Deliverables</u>	<u>Projected Date:</u>
DRAFT RI REPORT (P)	21 OCT 94
DRAFT FS REPORT (P)	19 JAN 95
DRAFT/FINAL RI REPORT (P)	05 MAY 95
FINAL RI REPORT (P)	04 JUN 95
DRAFT/FINAL FS REPORT (P)	08 AUG 95
DRAFT PP REPORT (P)	08 AUG 95
FINAL FS REPORT (P)	07 SEP 95

RI/FS CATEGORY #2: OPERABLE UNIT 11: PSC 38. BUILDING 71 AND INDUSTRIAL WASTE SEWER LINE (TL 073/C southwest to the end):

DESCRIPTION:

This building was a storage area for hazardous waste. In accordance with the closure plan, no soils testing was required. Soil testing conducted detected hazardous waste constituents, the presence of which is consistent with the use of Buildings 49, 71, and 72 during the period from about 1935 to the late 1970s for aircraft paint stripping and painting operations. These activities are described in the LAS in detail. Study documents identify the use of paint strippers, ketones, and trichloroethylene (for parts cleaning) in Buildings 49 and 71. Ten 550 gallon above grade tanks were located in these facilities which were periodically drained through the underground lines from the buildings to Pensacola Bay. A cyanide spill in the area near Buildings 71 and 104 and the presence of cyanide in the adjacent bay waters also are documented in the report.

Waste from various types of operations enter the Industrial Waste Sewer Line (TL 073/C southwest to the end) without any pretreatment or segregation. Consequently, the waste stream may consist of everything generated or used in the facility, including paint strippers, heavy metals, pesticides, fuels, cyanide wastes (prior to 1962), solvents, and waste oils.

1994 PRIMARY DELIVERABLES:

DUE DATE:

SITE MANAGEMENT PLAN

ANNUALLY 01 SEP 94

1994 Secondary Deliverables:

Target Date:

QUARTERLY REPORTS

31 OCT, 31 JAN,
30 APR, 31 JUL

Projected Deliverable

Projected Date:

DRAFT RI REPORT (P)

21 OCT 94

DRAFT FS REPORT (P)

19 JAN 95

DRAFT/FINAL RI REPORT (P)

05 MAY 95

FINAL RI REPORT (P)

04 JUN 95

DRAFT/FINAL FS REPORT (P)

08 AUG 95

DRAFT PP REPORT (P)

08 AUG 95

FINAL FS REPORT (P)

07 SEP 95

RI/FS CATEGORY #2: OPERABLE UNIT 12: PSC 39. OAK GROVE, CAMPGROUND AREA:

DESCRIPTION:

Oak Grove is a campground area located immediately South of Sherman Field on the South side of Radford Boulevard. An area of stressed vegetation and stained soil approximately 150 feet in diameter was found near the Pensacola Bay. A small amount of construction debris consisting of old brick, broken clay pipe and coal is scattered across the site. Records indicate that a saw mill was once located near this site. Investigations are currently underway to determine if the debris is the remains of this old mill or if this was an old dump site. preliminary tests of the surface soil showed that the stained soil is the result of petroleum contamination.

<u>1994 PRIMARY DELIVERABLES:</u>	<u>DUE DATE:</u>
SITE MANAGEMENT PLAN	ANNUALLY 01 SEP 94

<u>1994 Secondary Deliverables:</u>	<u>Target Date:</u>
QUARTERLY REPORTS	31 OCT, 31 JAN, 30 APR, 31 JUL

<u>Projected Deliverables</u>	<u>Projected Date:</u>
DRAFT RI REPORT (P)	21 OCT 94
DRAFT FS REPORT (P)	19 JAN 95
DRAFT/FINAL RI REPORT (P)	05 MAY 95
FINAL RI REPORT (P)	04 JUN 95
DRAFT/FINAL FS REPORT (P)	08 AUG 95
DRAFT PP REPORT (P)	08 AUG 95
FINAL FS REPORT (P)	07 SEP 95

RI/FS CATEGORY #2: OPERABLE UNIT 1: PSC 1 SANITARY LANDFILL;
OPERABLE UNIT 3: PSC 2. WATERFRONT SEDIMENT AREA: OPERABLE
PSC 38. BUILDING 71 AND INDUSTRIAL WASTE SEWER LINE (TL 073/C Southwest
to the End); and OPERABLE UNIT 12: PSC 39. OAK GROVE CAMPGROUND AREA:

TASK NAME	DURATION	START	END
CATEGORY II : Sites 1, 2, 38, 39	1,190.00 d	27-Jun-94	28-Sip-97
FIELDWORK-C2	30.00 d	27-Jun-94	26-Jul-94
DATA MGT	60.00 d	27-Jul-94	24-Sep-94
RI REPORT w/ BRA	363.00 d	25-Sep-94	22-Sep-95
PREPARE DRAFT RI RPT	60.00 d	25-Sep-94	23-Nov-94
SUBMIT DRAFT RI RPT	7.00 d	24-Nov-94	30-Nov-94
AGENCY REVIEW	120.00 d	01-Dec-94	30-Mar-95
NAVY RCVS COMMENTS	7.00 d	31-Mar-95	06-Apr-95
ADDRESS COMMENTS	45.00 d	07-Apr-95	21-May-95
MAIL COMMENTS	7.00 d	22-May-95	28-May-95
PREPARE DRAFT/FINAL	30.00 d	29-May-95	27-Jun-95
SUBMIT DRAFT/FINAL	7.00 d	28-Jun-95	04-Jul-95
RI RPT FINALIZED	80.00 d	05-Jul-95	22-Sep-95
FEASIBILITY STUDY	518.00 d	24-Nov-94	24-Apr-96
PREPARE DRAFT FS	210.00 d	24-Nov-94	21-Jun-95
SUBMIT DRAFT FS	7.00 d	22-Jun-95	28-Jun-95
AGENCY REVIEW	110.00 d	29-Jun-95	16-Oct-95
NAVY RCVS COMMENTS	7.00 d	17-Oct-95	23-Oct-95
ADDRESS COMMENTS	45.00 d	24-Oct-95	07-Dec-95
MAIL COMMENTS	7.00 d	08-Dec-95	14-Dec-95
PREPARE DRAFT/FINAL	45.00 d	15-Dec-95	28-Jan-96
SUBMIT DRAFT/FINAL	7.00 d	29-Jan-96	04-Feb-96
FS RPT FINALIZED	80.00 d	05-Feb-96	24-Apr-96
PROPOSED PLAN	403.00 d	15-Dec-95	20-Jan-97
PREPARE PP	45.00 d	15-Dec-95	28-Jan-96

TASK NAME	DURATION	START	END
SUBMIT DRAFT PP	7.00 d	29-Jan-96	04-Feb-96
AGENCY REVIEW	80.00 d	05-Feb-96	24-Apr-96
NAVY RCVS COMMENTS	7.00 d	25-Apr-96	01-May-96
ADDRESS COMMENTS	45.00 d	02-May-96	15-Jun-96
MAIL COMMENTS	7.00 d	16-Jun-96	22-Jun-96
PREPARE DRAFT/FINAL	45.00 d	23-Jun-96	06-Aug-96
SUBMIT DRAFT/FINAL	7.00 d	07-Aug-96	13-Aug-96
PP FINALIZED	65.00 d	14-Aug-96	17-Oct-96
PREPARE PUBLIC NOTICE	20.00 d	18-Oct-96	06-Nov-96
PUBLIC COMMENT	45.00 d	07-Nov-96	21-Dec-96
PUBLIC MEETING	1.00 d	28-Nov-96	28-Nov-96
RESPONSIVENESS SUMMARY	30.00 d	22-Dec-96	20-Jan-97
RECORD OF DECISION	281.00 d	22-Dec-96	28-Sep-97
PREPARE DRAFT ROD	30.00 d	22-Dec-96	20-Jan-97
SUBMIT DRAFT ROD	7.00 d	21-Jan-97	27-Jan-97
AGENCY REVIEW	80.00 d	28-Jan-97	17-Apr-97
NAVY RCVS COMMENTS	7.00 d	18-Apr-97	24-Apr-97
ADDRESS COMMENTS	45.00 d	25-Apr-97	08-Jun-97
MAIL COMMENTS	7.00 d	09-Jun-97	15-Jun-97
PREPARE DRAFT/FINAL	30.00 d	16-Jun-97	15-Jul-97
SUBMIT DRAFT/FINAL	7.00 d	16-Jul-97	22-Jul-97
ROD FINALIZED	65.00 d	23-Jul-97	25-Sep-97
ROD SIGNATURE	3.00 d	26-Sep-97	28-Sep-97

RI/FS CATEGORY #3: OPERABLE UNIT 2: PSC 11 NORTH CHEVALIER DISPOSAL AREA:

DESCRIPTION:

This site received industrial waste and oils, including hazardous waste. Eleven (11) shallow monitoring wells have been installed, three (3) of which have been destroyed. One (1) deep well is also in place. Analytical data from the wells indicate both shallow and deep groundwater contamination with heavy metals and VOCs. Groundwater flow in the shallow system is eastward toward the creek leading into Bayou Grande. Sediment samples taken during the NACIP Study showed high concentrations of heavy metals. Borings to define the lateral and vertical extent of the landfill indicate construction debris east of the creek. The total lateral extent of the site is unknown. Old topographic surveys indicate the fill encompasses several hundred thousand square feet of the original tidal creek area.

Prioritization of this PSC was due to the suspected magnitude and toxicity of contamination, pathways, and the potential for human exposure.

1994 PRIMARY DELIVERABLES:

DUE DATE:

SITEMANAGEMENTPLAN

ANNUALLY 01 Sep 94

1994 SECONDARY DELIVERABLES:

TARGET DATE:

QUARTERLY REPORTS

31 OCT, 31 JAN,
30 APR, 31 JUL

PROJECTED DELIVERABLES

PROJECTED DATE:

DRAFT RI (P)

13 MAR 95

DRAFT FS REPORT (P)

11 JUN 95

**RI/FS CATEGORY #3: OPERABLE UNIT 2 PSC 26 SUPPLY DEPARTMENT
OUTSIDE STORAGE AREA and SCREENING PSC 12. SCRAP BINS:**

DESCRIPTION:

A 90 square foot outside area, south of building 684, used to store containers of industrial materials. Containers were stored on steel mats. Leakage is reported to have occurred from these containers. Since PSC Site 11 is down gradient from this area, in depth studies will be conducted.

Screening PSC 12, Scrap Bins, is being investigated and reported on concurrently with this Operable Unit. It is located approximately 800 feet northwest of Chevalier Field and 600 feet west of PSC 11. Most of the site area is enclosed by a fence and covered with a large concrete pad where heavy equipment is currently kept. From the early 1930s to mid 1940s, garbage from NAS Pensacola was placed in scrap bins and stored in this area (industrial waste was sent to the North Chevalier Disposal Area). Approximately 16 cubic yards (2 truck loads) per day of wet garbage was stored before being hauled off and used as livestock feed. There is no evidence of hazardous material disposal at this PSC.

1994 PRIMARY DELIVERABLES:

DUE DATE:

SITEMANAGEMENTPLAN

ANNUALLY 01 Sep 94

1994 SECONDARY DELIVERABLE:

TARGET DATE:

QUARTERLY REPORTS

31 OCT, 31 JAN,
30 APR, 31 JUL

PROJECTED DELIVERABLES

PROJECTED DATE:

DRAFT RI (P)

13 MAR 95

DRAFT FS REPORT (P)

11 JUN 95

**RI/FS CATEGORY #3: OPERABLE UNIT 2: PSC 27, RADIUM DIAL SHOP SEWER
and SCREENING PSC 25, RADIUM SPILL SITE**

DESCRIPTION:

From 1940s to 1976, Building 709 was used to rework instrument dials painted with radium containing paint. Spent cleaning solutions and luminous paint were routinely poured into the sanitary sewer system. In 1976, the building was dismantled and the drain pipe found to have a reading of 1.2 Mr/hr. The drain pipe was removed to a depth of 18 inches. The remaining lateral underground portion of the pipe was capped and covered with concrete. At screening PSC 25, radium removal operations at NAS Pensacola involved stripping radium-containing paint from instrument dials prior to repainting. From 1965 to 1975, these operations were conducted in Building 709. In 1975, all activities related to radium painted instruments, including stripping and re-painting, were permanently moved to building 780. At the present, aircraft instruments containing radium are disassembled in Building 780. Instrument dials were stripped using paint thinner, then soaked in a lye and nitric acid solution. Contaminated instruments cases were processed by soaking in a "turco" acid solution. Components were cleaned with a wire brush to remove all residue.

Screening PSC 25 has been grouped with PSC 27 to investigate the extent of contamination. One (1) shallow well and one (1) deep monitoring well was installed near the drain of PSC 27. Analyses of shallow samples indicate gross Alpha concentrations in the shallow groundwater are below the primary drinking water standard. Chlorinated hydrocarbons were detected. Chlorinated hydrocarbons were not detected in samples from the deeper wells. The groundwater flow direction is, reportedly, south-southeast and toward PSC 30. Several analyses for chlorinated VOCs from the installed monitoring wells indicated traces of solvents are present in the groundwater.

Screening PSC 25 (RADIUM SPILL AREA) will be investigated and reported on concurrently with this Operable Unit. Screening PSC 25 is located on the eastern portion of NAS Pensacola just east of Murray Road and north of Farrar Road on the east side of Building 780. NEESA (1983) reported a small spill of low-level radioactive waste containing radium at this site in 1978. The spill occurred on pavement and was properly cleaned up according to NEESA. The spill occurred because drums of waste were being stored in the weather and allowed to corrode and leak. Building 780 was the location of radium removal operations for radium dials and other equipment. The equipment was decontaminated here before being repainted in the radium dial shop (former Building 708). Contamination resulting from the spill or waste handling are the focus of the investigation. On 14 Oct 1992 the UST program transferred 709D-N, which is at screening PSC 25, to the IR Program.

These PSCs were grouped together mainly due to the following: geographic proximity of PSCs, and the potential for off-site migration, and its impact on the other PSC. Prioritization of these PSCs was due to the suspected magnitude and toxicity of contamination, the potential for off-site migration of contaminants via several pathways, and the potential for human exposure.

**RI/FS CATEGORY #3: OPERABLE UNIT 2: PSC 27, RADIUM DIAL SHOP SEWER
and SCREENING PSC 25, RADIUM SPILL SITE, continued:**

DESCRIPTION:

1994 PRIMARY DELIVERABLES:

SITE MANAGEMENT PLAN

DUE DATE:

ANNUALLY 01 Sep 94

1994 SECONDARY DELIVERABLES:

QUARTERLY REPORTS

TARGET DATE:

31 OCT, 31 JAN,
30 APR, 31 JUL

PROJECTED DELIVERABLES

DRAFT RI (P)
DRAFT FS REPORT (P)

PROJECTED DATE:

13 MAR 95
11 JUN 95

RI/FS CATEGORY #3: OPERABLE UNIT 2: PSC 30. BUILDINGS 648 (previously OU-9, PSC 31), 649 and 755, AND INDUSTRIAL WASTE SEWER LINE (TL 045/A north to IWTP):

DESCRIPTION:

Over a **fifteen (15)** year period **north** of Bldg. **648**, waste paint, thinner, and paint sludges were **pound** onto the ground. The only monitoring well **near the site indicated** low **concentrations** of chlorinated hydrocarbons. **A second** round of samples from this monitoring well detected no chlorinated volatiles. The exact location of the **disposal** site in relation to the monitoring well is not reported. The plume of **contamination** may have **already passed** the monitoring point. Further study will be conducted. **On 14 Oct 1992** the UST Program transferred 647N and 648N, which are at previous Site 31, to the **IR** Program.

Building 649 housed a tin/cadmium plating shop with **fifteen (15)** tanks located inside this building, ranging in capacity from 200 to 500 gallons. These tanks, along with a 250 gallon tank of trichlorethylene, were **emptied** routinely into a ditch leading to a creek discharging into Bayou Grande. Acids, caustics, degreasers, and chromatic solutions were **also drained into** this ditch. After twenty (20) years, this operation was replaced with a magnesium treatment line. The magnesium treatment line **operated** for **ten (10)** years.

Building 755 operated **50** tanks located inside this building over a ten year period as a plating facility for nickel, lead, tin, chromium and miscellaneous metals. These tanks, ranging in capacity from **50** to **280** gallons, were drained periodically into the ditch described above. Sediment samples from four (4) **separate** locations in the ditch were analyzed for metals and cyanide. Low levels of metal (below **EP Toxic**) were found. **On 14 Oct 1992** the UST Program transferred **647E, 647N, 649N, and 649W**, which are at PSC 30, to the IR Program.

Waste from various **types** of operations enter the Industrial **Waste Sewer Line (TL 045/A north to the IWTP)** without any pretreatment or **segregation**. Consequently, the waste **stream** may consist of everything generated or used in the facility, including **paint strippers, heavy metals, pesticides, radioactive wastes, fuels, cyanide wastes (prior to 1962), solvents, and waste oils**. In **1979**, a pump failure at the final industrial waste **lift station**, located approximately 2,000 feet southwest of the Industrial **Waste Treatment Plant**, **caused a spill** of industrial waste into a nearby **unnamed** creek, which **leads into** the south arm of Bayou Grande. **The spill was** investigated by the **Florida Department of Environmental Regulation (FDER)**, and a **Notice of Violation** was issued to **NAS Pensacola**. The **spill** caused a minor fish kill in the creek.

Prioritization of this PSC was due to the **suspected** magnitude and toxicity of contamination, the **potential** for off-site migration of contaminants via several pathways, and the **potential** for human exposure.

RI/FS CATEGORY #3: OPERABLE UNIT 2; PSC 11. NORTH CHEVALIER DISPOSAL AREA; PSC 26. SUPPLY DEPARTMENT OUTSIDE STORAGE AREA AND SCREENING PSC 12. SCRAP BINS; PSC 27. RADIUM DIAL SHOP SEWER AND SCREENING PSC 25. RADIUM SPILL AREA; AND PSC 30. B-755. AND SEWER LINE(TL 145/A NORTH TO IWTP):

TASK NAME	DURATION	START	END
CATEGORY III: Sites 11, 12, 25, 26, 27, 30	1,321.00 d	12-Apr-94	22-Nov-97
DEVELOP WP	186.00 d	12-Apr-94	14-Oct-94
PREPARE DRAFT SAP (Sites 12 and 26)	45.00 d	12-Apr-94	26-May-94
SUBMIT DRAFT SAP	7.00 d	27-May-94	02-Jun-94
AGENCY REVIEW (12 & 26)	45.00 d	03-Jun-94	17-Jul-94
NAVY RCVS COMMENTS	7.00 d	18-Jul-94	24-Jul-94
PREPARE FINAL SAP	45.00 d	25-Jul-94	07-Sep-94
SUBMIT FINAL SAP-3	7.00 d	08-Sep-94	14-Sep-94
FINALIZE SAP	30.00 d	15-Sep-94	14-Oct-94
FIELDWORK-C3	60.00 d	15-Sep-94	13-Nov-94
DATA MGT	60.00 d	15-Oct-94	13-Dec-94
RI REPORT w/ BRA	398.00 d	14-Dec-94	15-Jan-96
PREPARE DRAFT RI RPT	90.00 d	14-Dec-94	13-Mar-95
SUBMIT DRAFT RI RPT	7.00 d	14-Mar-95	20-Mar-95
AGENCY REVIEW	100.00 d	21-Mar-95	28-Jun-95
NAVY RCVS COMMENTS	7.00 d	29-Jun-95	05-Jul-95
ADDRESS COMMENTS	60.00 d	06-Jul-95	03-Sep-95
MAIL COMMENTS	7.00 d	04-Sep-95	10-Sep-95
PREPARE DRAFT/FINAL	60.00 d	11-Sep-95	09-Nov-95
SUBMIT DRAFT/FINAL	7.00 d	10-Nov-95	16-Nov-95
RI RPT FINALIZED	60.00 d	17-Nov-95	15-Jan-96
FEASIBILITY STUDY	523.00 d	14-Mar-95	17-Aug-96
PREPARE DRAFT FS	240.00 d	14-Mar-95	08-Nov-95

**SITE MANAGEMENT PLAN
NAVAL AIR STATION PENSACOLA
PENSACOLA, FLORIDA**

**05 JULY 1994
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TASK NAME	DURATION	START	END
SUBMIT DRAFT FS	7.00 d	09-Nov-95	15-Nov-95
AGENCY REVIEW	90.00 d	16-Nov-95	13-Feb-96
NAVY RCVS COMMENTS	7.00 d	14-Feb-96	20-Feb-96
ADDRESS COMMENTS	60.00 d	21-Feb-96	20-Apr-96
MAIL COMMENTS	7.00 d	21-Apr-96	27-Apr-96
PREPARE DRAFT/FINAL	45.00 d	28-Apr-96	11-Jun-96
SUBMIT DRAFT/FINAL	7.00 d	12-Jun-96	18-Jun-96
FS RPT FINALIZED	60.00 d	19-Jun-96	17-Aug-96
PROPOSED PLAN	363.00 d	28-Apr-96	25-Apr-97
PREPARE PP	45.00 d	28-Apr-96	11-Jun-96
SUBMIT DRAFT PP	7.00 d	12-Jun-96	18-Jun-96
AGENCY REVIEW	60.00 d	19-Jun-96	17-Aug-96
NAVY RCVS COMMENTS	7.00 d	18-Aug-96	24-Aug-96
ADDRESS COMMENTS	45.00 d	25-Aug-96	08-Oct-96
MAIL COMMENTS	7.00 d	09-Oct-96	15-Oct-96
PREPARE DRAFT/FINAL	45.00 d	16-Oct-96	29-Nov-96
SUBMIT DRAFT/FINAL	7.00 d	30-Nov-96	06-Dec-96
PP FINALIZED	45.00 d	07-Dec-96	20-Jan-97
PREPARE PUBLIC NOTICE	20.00 d	21-Jan-97	09-Feb-97
PUBLIC COMMENT	45.00 d	10-Feb-97	26-Mar-97
PUBLIC MEETING	1.00 d	03-Mar-97	03-Mar-97
RESPONSIVENESS SUMMARY	30.00 d	27-Mar-97	25-Apr-97
RECORD OF DECISION	241.00 d	27-Mar-97	22-Nov-97
PREPARE DRAFT ROD	30.00 d	27-Mar-97	25-Apr-97
SUBMIT DRAFT ROD	7.00 d	26-Apr-97	02-May-97
AGENCY REVIEW	60.00 d	03-May-97	01-Jul-97
NAVY RCVS COMMENTS	7.00 d	02-Jul-97	08-Jul-97
ADDRESS COMMENTS	45.00 d	09-Jul-97	22-Aug-97

TASK NAME	DURATION	START	END
MAIL COMMENTS	7.00 d	23-Aug-97	29-Aug-97
PREPARE DRAFT/FINAL	30.00 d	30-Aug-97	28-Sep-97
SUBMIT DRAFT FINAL	7.00 d	29-Sep-97	05-Oct-97
ROD FINALIZED	45.00 d	06-Oct-97	19-Nov-97
ROD SIGNATURE	3.00 d	20-Nov-97	22-Nov-97

**RI/FS CATEGORY #4: OPERABLE UNIT 16: PSC 41, NAVAL AIR STATION
PENSACOLA (NASP) WETLANDS:**

DESCRIPTION:

An EPA inventory of wetlands identified and enumerated 79 wetlands complexes on NAS Pensacola. Two other wetlands were identified during habitat/biota surveys. For the purpose of these studies, freshwater and brackish water ponds, and drainage ditches are included as wetlands. The majority and largest of the wetlands on NAS Pensacola are located in the western portion of the installation, primarily south and west of Sherman Field. About a third of the 81 wetlands are located east of Sherman Field, where most of the IRP sites are located. These small and remnant wetlands are the only potential receptors on base.

Contamination was detected in all eight wetlands that have been sampled during contamination assessments. Nineteen PSCs (1, 3, 4, 5, 6, 9, 10, 11, 13, 14, 16, 29, 30, 32, 33, 34, 35, 36, and 39,) on NAS Pensacola are suspected sources of contamination to these wetlands.

1994 PRIMARY DELIVERABLES:

DUE DATE:

DRAFT WORKPLAN
SITE MANAGEMENT PLAN

21 JUL 94
ANNUALLY 01 SEP 94

1994 SECONDARY DELIVERABLES:

TARGET DATE:

QUARTERLY REPORTS

31 OCT, 31 JAN,
30 APR, 31 JUL

DRAFT CSAP (RESUBMITTAL)

24 DEC 93

DRAFT/FINAL CSAP

21 JUL 94

FINAL CSAP

20 AUG 94

PROJECTED DELIVERABLES:

PROJECTED DATE:

DRAFT/FINAL WORKPLAN (P)

17 NOV 94

FINAL WORKPLAN (P)

17 DEC 94

**RI/ES CATEGORY #4: OPERABLE UNIT 16. PSC 41. NAS PENSACOLA WETLANDS
AREA:**

TASK NAME	DURATION	START	END
CAT. IV: Site 41	2,206.00 d	18-Dec-93	01-Jan-00
DEVELOP CSAP	246.00 d	18-Dec-93	20-Aug-94
RESUBMIT DRAFT CSAP	7.00 d	18-Dec-93	24-Dec-93
AGENCY REVIEW	150.00 d	25-Dec-93	23-May-94
NAVY RCV COMMENTS	7.00 d	24-May-94	30-May-94
ADDRESS COMMENTS	45.00 d	31-May-94	14-Jul-94
SUBMIT DRAFT/FINAL CSAP	7.00 d	15-Jul-94	21-Jul-94
FINALIZE CSAP	30.00 d	22-Jul-94	20-Aug-94
DEVELOP WP	201.00 d	31-May-94	17-Dec-94
PREPARE DRAFT SAPs	45.00 d	31-May-94	14-Jul-94
RESUBMIT WP/DRAFT SAPs	7.00 d	15-Jul-94	21-Jul-94
AGENCY REVIEW	60.00 d	22-Jul-94	19-Sep-94
NAVY RCVS COMMENTS	7.00 d	20-Sep-94	28-Sep-94
PREPARE DRAFT/FINAL WP/SAP	45.00 d	27-Sep-94	10-Nov-94
SUBMIT DRAFT/FINAL WP/SAPs	7.00 d	11-Nov-94	17-Nov-94
FINALIZE WP/SAP-41	30.00 d	18-Nov-94	17-Dec-94
RI REPORT w/BRA	1,215.00 d	20-Aug-94	16-Dec-97
FIELDWORK-41	807.00 d	20-Aug-94	03-Nov-96
Phase 1	90.00 d	20-Aug-94	17-Nov-94
DATA MGT-1	90.00 d	19-Sep-94	17-Dec-94
PREPARE Tech Memo-1	60.00 d	18-Dec-94	15-Feb-95
SUBMIT TECH MEMO-1	7.00 d	16-Feb-95	22-Feb-95
AGENCY REVIEW	45.00 d	23-Feb-95	08-Apr-95
NAVY RCVS COMMENTS	7.00 d	09-Apr-95	15-Apr-95
Phase 2A	150.00 d	16-Apr-95	12-Sep-95
DATA MGT-2A	150.00 d	16-May-95	12-Oct-95
PREPARE Ioch Memo-2A	60.00 d	13-Oct-95	11-Dec-95
SUBMIT TECH MEMO-2A	7.00 d	12-Dec-95	18-Dec-95
AGENCY REVIEW	45.00 d	19-Dec-95	01-Feb-96

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 NAVAL AIR STATION PENSACOLA
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TASK NAME	DURATION	START	END
N A W RCVS COMMENTS	7.00 d	02-Feb-96	08-Feb-96
Phase 2B	45.00 d	09-Feb-96	24-Mar-96
DATA MGT-2B	45.00 d	10-Mar-96	23-Apr-96
PREPARE Tech Memo-2B	60.00 d	24-Apr-96	22-Jun-96
SUBMIT TECH MEMO-2B	7.00 d	23-Jun-96	29-Jun-96
AGENCY REVIEW	45.00 d	30-Jun-96	13-Aug-96
N A W RCVS COMMENTS	7.00 d	14-Aug-96	20-Aug-96
Phase 3	45.00 d	21-Aug-96	04-Oct-96
DATA MOT-3	45.00 d	20-Sep-96	03-Nov-96
PREPARE DRAFT RI RPT	90.00 d	04-Nov-96	01-Feb-97
SUBMIT DRAFT RI RPT	7.00 d	02-Feb-97	08-Feb-97
AGENCY REVIEW	120.00 d	09-Feb-97	08-Juni-07
N A W RCVS COMMENTS	7.00 d	09-Jun-97	15-Jun-97
ADDRESS COMMENTS	45.00 d	16-Jun-07	30-Jul-97
MAIL COMMENTS	7.00 d	31-Jul-97	06-Aug-97
PREPARE DRAFTFINAL	45.00 d	07-Aug-97	20-Sep-97
SUBMIT DRAFTFINAL	7.00 d	21-sop-07	27-sop-07
RI RPT FINALIZED	80.00 d	28-Sep-97	16-Dec-97
FEASIBILITY STUDY	528.00 d	01-Fob-07	21-Jul-98
PREPARE DRAFT FS	220.00 d	00-Fob-07	16-Sep-97
SUBMIT DRAFT FS	7.00 d	17-Sep-97	23-Sep-97
AGENCY REVIEW	110.00 d	24-Sep-97	11-Jan-98
N A W RCVS COMMENTS	7.00 d	12-Jan-98	18-Jan-98
ADDRESS COMMENTS	45.00 d	19-Jan-98	04-Mar-98
MAIL COMMENTS	7.00 d	05-Mar-98	11-Mar-98
PREPARE DRAFTFINAL	45.00 d	12-Mar-98	25-Apr-98
SUBMIT DRAFT/FINAL	7.00 d	26-Apr-98	02-May-98
FS RPT FINALIZED	80.00 d	03-May-98	21-Jul-98
PROPOSED P UN	380.00 d	12-Mar-98	26-Mar-99
PREPARE PP	45.00 d	12-Mar-98	25-Apr-98
SUBMIT DRAFT PP	7.00 d	26-Apr-98	02-May-98

TASK NAME	DURATION	START	END
AGENCY REVIEW	80.00 d	03-May-98	21-Jul-98
NAVY RCV COMMENTS	7.00 d	22-Jul-98	28-Jul-98
ADDRESS COMMENTS	45.00 d	29-Jul-98	11-Sep-98
MAIL COMMENTS	7.00 d	12-Sep-98	18-Sep-98
PREPARE DRAFT/FINAL	45.00 d	19-Sep-98	02-Nov-98
SUBMIT DRAFT/FINAL	7.00 d	03-Nov-98	09-Nov-98
PP FINALIZED	65.00 d	10-Nov-98	13-Jan-99
PREPARE PUBLIC NOTICE	20.00 d	14-Jan-99	02-Feb-99
PUBLIC COMMENT	45.00 d	03-Feb-99	19-Mar-99
PUBLIC MEETING	1.00 d	24-Feb-99	24-Feb-99
RESPONSIVENESS SUMMARY	30.00 d	25-Feb-99	26-Mar-99
RECORD OF DECISION	311.00 d	25-Feb-99	01-Jan-00
PREPARE DRAFT ROD	30.00 d	25-Feb-99	26-Mar-99
SUBMIT DRAFT ROD	7.00 d	27-Mar-99	02-Apr-99
AGENCY REVIEW	80.00 d	03-Apr-99	21-Jun-99
NAVY RCV COMMENTS	7.00 d	22-Jun-99	28-Jun-99
ADDRESS COMMENTS	45.00 d	29-Jun-99	12-Aug-99
MAIL COMMENTS	7.00 d	13-Aug-99	19-Aug-99
PREPARE DRAFT/FINAL	60.00 d	20-Aug-99	18-Oct-99
SUBMIT DRAFT/FINAL	7.00 d	19-Oct-99	25-Oct-99
ROD FINALIZED	65.00 d	26-Oct-99	29-Dec-99
ROD SIGNATURE	3.00 d	30-Dec-99	01-Jan-00

RUEFS CATEGORY #4: OPERABLE UNIT 15: PSC 40, BAYOU GRANDE:

DESCRIPTION:

NAS Pensacola is bordered on the south by Big Lagoon and Pensacola Bay, on the east by Pensacola Bay, and on the north by Bayou Grande. Bayou Grande, an estuarine water body connected to Pensacola Bay, lies adjacent to the northern boundary of NAS Pensacola. During contamination assessment investigations, Total Recoverable Petroleum Hydrocarbons (TRPHs), metals, Polynuclear Aromatic Hydrocarbons (PAHs), and phenols were detected in near shore Bayou Grande sediment samples, and metals were detected in near shore Bayou Grande surface water samples. Sixteen PSCs (1, 3, 9, 10, 11, 12, 15, 16, 23, 29, 30, 32, 33, 34, 35, and 36) are believed to potentially contribute to the concentrations found in Bayou Grande.

1994 PRIMARY DELIVERABLES:

DUE DATE:

DRAFT WORKPLAN (RESUBMITTAL)
SITE MANAGEMENT PLAN

21 JUL 94
ANNUALLY 01 SEP 94

1994 SECONDARY DELIVERABLES:

TARGET DATE:

QUARTERLY REPORTS

31 OCT, 31 JAN,
30 APR, 31 JUL

PROJECTED DELIVERABLES:

PROJECTED DATE:

DRAFT/FINAL WORKPLAN (P)
FINAL WORKPLAN (P)

17 NOV 94
17 DEC 94

RI/FS CATEGORY #4: OPERABLE UNIT 17: PSC 42, PENSACOLA BAY AREA:

DESCRIPTION,

NAS Pensacola is bordered on the south by Big Lagoon and Pensacola Bay, on the east by Pensacola Bay, and on the north by Bayou Grande. Only a very small portion of the western end of NAS Pensacola is farther than a mile from one of these bodies of water. Swampy areas exist on or near the western portion of NAS Pensacola. Man-made drainage ways and storm drains feed into the short intermittent streams emptying into Pensacola Bay and Bayou Grande. No perennial streams enter or exit NAS Pensacola, but the marshy areas (wetlands) and their small lakes retain water throughout the year. During contamination assessment investigations, metals, total recoverable petroleum hydrocarbons (TRPHs), Polynuclear aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs) were detected in sediment samples collected along the southeastern waterfront of Pensacola Bay. Fourteen PSCs (2, 3, 4, 13, 14, 17, 18, 28, 32, 33, 35, 36, 28, and 39) on NAS Pensacola are suspected sources of contaminants to Pensacola Bay.

1994 PRIMARY DELIVERABLES:

DUE DATE:

DRAFT WORKPLAN (RESUBMITTAL)
SITE MANAGEMENT PLAN

21 JUL 94
ANNUALLY 01 SEP 94

1994 SECONDARY DELIVERABLES:

TARGET DATE:

QUARTERLY REPORTS

31 OCT, 31 JAN,
30 APR, 31 JUL

PROJECTED DELIVERABLES:

PROJECTED DATE:

DRAFT/FINAL WORKPLAN (P)
FINAL WORKPLAN (P)

17 NOV 94
17 DEC 94

**RI/FS CATEGORY #4: OPERABLE UNIT 15. PSC 40. BAYOU GRANDE AREA: and
 OPERABLE UNIT 17. PSC 42. PENSACOLA BAY AREA:**

TASK NAME	DURATION	START	END
CAT. IV: Site 40 & 42	2,252.00 d	31-May-94	29-Jul-00
DWELOP WP	201.00 d	31-May-94	17-Dec-94
PREPARE DRAFT SITE SPECIFIC SAPs	45.00 d	31-May-94	14-Jul-94
RESUBMIT DRAFT WP/SAPs	7.00 d	15-Jul-94	21-Jul-94
AGENCY REVIEW	60.00 d	22-Jul-94	19-Sep-94
NAVY RCVS COMMENTS	7.00 d	20-Sep-94	26-Sep-94
PREPARE DRAFT/FINAL WP/SAP	45.00 d	27-Sep-94	10-Nov-94
SUBMIT DRAFT/FINAL WP/SAPs	7.00 d	11-Nov-94	17-Nov-94
FINALIZE WP/SAP-40&42	30.00 d	18-Nov-94	17-Dec-94
RI REPORT w/BRA	1,455.00 d	20-Aug-94	13-Aug-98
FIELDWORK-40/42	1,017.00 d	20-Aug-94	01-Jun-97
Phase 1	90.00 d	20-Aug-94	17-Nov-94
DATA MGT-1	90.00 d	19-Sep-94	17-Dec-94
PREPARE Tech Memo-1	60.00 d	18-Dec-94	15-Feb-95
SUBMIT Tech Memo-1	7.00 d	16-Feb-95	22-Feb-95
AGENCY REVIEW	45.00 d	23-Feb-95	08-Apr-95
NAVY RCVS COMMENTS	7.00 d	09-Apr-95	15-Apr-95
Phase 2A	150.00 d	16-Apr-95	12-Sep-95
DATA MGT-2A	150.00 d	16-May-95	12-Oct-95
PREPARE Tech Memo-2A	60.00 d	13-Oct-95	11-Dec-95
SUBMIT Tech Memo-2A	7.00 d	12-Dec-95	18-Dec-95
AGENCY REVIEW	90.00 d	19-Dec-95	17-Mar-96
NAVY RCVS COMMENTS	7.00 d	18-Mar-96	24-Mar-96
Phase 2B	90.00 d	25-Mar-96	22-Jun-96
DATA MGT-2B	60.00 d	23-Jun-96	21-Aug-96
PREPARE Tech Memo-2B	60.00 d	22-Aug-96	20-Oct-96
SUBMIT Tech Memo-2B	7.00 d	21-Oct-96	27-Oct-96
AGENCY REVIEW	90.00 d	28-Oct-96	25-Jan-97
NAVY RCVS COMMENTS	7.00 d	26-Jan-97	01-Feb-97

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TASK NAME	DURATION	START	END
Phase 3	60.00 d	02-Feb-97	02-Apr-97
DATA MGT-3	60.00 d	03-Apr-97	01-Jun-97
PREPARE DRAFT RI RPT	120.00 d	02-Jun-97	29-Sep-97
SUBMIT DRAFT RI RPT	7.00 d	30-Sep-97	06-Oct-97
AGENCY REVIEW	120.00 d	07-Oct-97	03-Feb-98
NAVY RCVS COMMENTS	7.00 d	04-Feb-98	10-Feb-98
ADDRESS COMMENTS	45.00 d	11-Feb-98	27-Mar-98
MAIL COMMENTS	7.00 d	28-Mar-98	03-Apr-98
PREPARE DRAFT/FINAL	45.00 d	04-Apr-98	18-May-98
SUBMIT DRAFT/FINAL	7.00 d	19-May-98	25-May-98
RI RPT FINALIZED	80.00 d	26-May-98	13-Aug-98
FEASIBILITY STUDY	528.00 d	07-Oct-97	18-Mar-99
PREPARE DRAFT FS	220.00 d	07-Oct-97	14-May-98
SUBMIT DRAFT FS	7.00 d	15-May-98	21-May-98
AGENCY REVIEW	110.00 d	22-May-98	08-Sep-98
NAVY RCVS COMMENTS	7.00 d	09-Sep-98	15-Sep-98
ADDRESS COMMENTS	45.00 d	16-Sep-98	30-Oct-98
MAIL COMMENTS	7.00 d	31-Oct-98	06-Nov-98
PREPARE DRAFT/FINAL	45.00 d	07-Nov-98	21-Dec-98
SUBMIT DRAFT/FINAL	7.00 d	22-Dec-98	28-Dec-98
FS RPT FINALIZED	80.00 d	29-Dec-98	18-Mar-99
PROPOSED PLAN	380.00 d	07-Nov-98	21-Nov-99
PREPARE PP	45.00 d	07-Nov-98	21-Dec-98
SUBMIT DRAFT PP	7.00 d	22-Dec-98	28-Dec-98
AGENCY REVIEW	80.00 d	29-Dec-98	18-Mar-99
NAVY RCV COMMENTS	7.00 d	19-Mar-99	25-Mar-99
ADDRESS COMMENTS	45.00 d	26-Mar-99	09-May-99
MAIL COMMENTS	7.00 d	10-May-99	16-May-99
PREPARE DRAFT/FINAL	45.00 d	17-May-99	30-Jun-99
SUBMIT DRAFT/FINAL	7.00 d	01-Jul-99	07-Jul-99
PP FINALIZED	65.00 d	08-Jul-99	10-Sep-99

SITE MANAGEMENT PLAN
 NAVAL AIR STATION PENSACOLA
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TASK NAME	DURATION	START	END
PREPARE PUBLIC NOTICE	20.00 d	11-Sep-99	30-Sep-99
PUBLIC COMMENT	45.00 d	01-Oct-99	14-Nov-99
PUBLIC MEETING	1.00 d	22-Oct-99	22-Oct-99
RESPONSIVENESS SUMMARY	30.00 d	23-Oct-99	21-Nov-99
RECORD OF DECISION	281.00 d	23-Oct-99	29-Jul-00
PREPARE DRAFT ROD	30.00 d	23-Oct-99	21-Nov-99
SUBMIT DRAFT ROD	7.00 d	22-Nov-99	28-Nov-99
AGENCY REVIEW	80.00 d	29-Nov-99	16-Feb-00
NAVY RCV COMMENTS	7.00 d	17-Feb-00	23-Feb-00
ADDRESS COMMENTS	45.00 d	24-Feb-00	08-Apr-00
MAIL COMMENTS	7.00 d	09-Apr-00	15-Apr-00
PREPARE DRAFT/FINAL	30.00 d	16-Apr-00	15-May-00
SUBMIT DRAFT/FINAL	7.00 d	18-May-00	22-May-00
ROD FINALIZED	65.00 d	23-May-00	26-Jul-00
ROD SIGNATURE	3.00 d	27-Jul-00	29-Jul-00

**R/ES CATEGORY #5: OPERABLE UNIT 6: PSC 9 NAVY YARD DISPOSAL AREA:
PSC 29. SOIL SOUTH OF BUILDING 3460: SCREENING PSC 10. COMMODORES
POND: and SCREENING PSC 34. SOLVENT NORTH OF BUILDING 3557:**

DESCRIPTION;

PSC 29, Soil South of Building 3460. In 1981, workers excavating soil beneath the concrete apron south of Building 3460 received skin burns from a "blackslimy liquid" in the soil. Types of chemicals involved and extent of contamination are unknown. A leak in the nearby industrial sewer line from the Naval Aviation Depot (NADEP) facility is the expected source. This site is part of the group including PSC 9, Screening PSC 10, and Screening PSC 34 studied together. No analyses of groundwater for non-halogenated hydrocarbons volatiles, extractables, exotic or parameters other than method 601 VOCs were done.

PSC 9, Navy Yard Disposal Area was used for the disposal of trash and refuse during the period between 1917 and the early 1930s. It is reported that the PSC is shown on several old maps as the Navy Yard Dump or the Warrington Village Dump (NEESA 1983). In the late 1960s, while trenching for the Industrial Wastewater Treatment Plant (IWTP) system, part of PSC 9 was excavated. Glass, scrap metal, and debris were unearthed. No unusual odor was reported associated with the PSC. The LAS report concluded no further study was necessary and the PSC did not constitute a threat to human health or the environment. During the VS of this PSC, monitoring wells were installed at the southwest corner of Chevalier Field to determine shallow groundwater flow and groundwater samples taken to further delineate the contamination problem in the general area of Screening PSC 34, Screening PSC 10, and PSC 29. Groundwater samples were analyzed for VOCs; however, no VOCs were detected in any samples obtained.

Screening PSCs being investigated and reported on concurrently with this Operable Unit include: Screening PSC 10, Commodore's Pond and Screening PSC 34, Solvent North of Building 3557. Screening PSC 10 was formerly the location of a small surface water body. In the mid-nineteenth century, the pond was used for the underwater storage of shaped oak timbers. This underwater storage method preserved the wood prior to its use for shipbuilding. The original pond's, no longer in existence, exact dimensions are unknown. PSC debris was unearthed in the late 1960s during trenching operations for installations of the IWTP system. Abandoned oak timbers were exhumed and reburied on Magazine Point. It is reported no hazardous materials were encountered during this effort.

**RI/FS CATEGORY #5: OPERABLE UNIT 6: PSC 9. NAVY YARD DISPOSAL AREA:
PSC 29. SOIL SOUTH OF BUILDING 3460: SCREENING PSC 10. O
POND; and SCREENING PSC 34. SOLVENT NORTH OF BUILDING 3557 c** O

DESCRIPTION:

Screening PSC 34 - During May 1984, a leak occurred in a pipeline at the north end of Building 3557. The leak reportedly resulted in the loss of solvent detergent used for cleaning aircraft. The solution contained 1.7 percent chlorinated aromatic hydrocarbons solvent. Contamination of site soils and groundwater may have occurred as the result of the solvent detergent release. Contamination may have penetrated beneath the apron via the expansion joints which separated individual concrete tiles and via runoff of escaped solvent to the unpaved storage tank area. The unpaved drainage ditch in the tank area is suspected to have carried contamination off-site and is presumed to be connected to the paved drainage ditch located west Chevalier Field. It is unknown whether or not site contamination entered into the NAS Pensacola storm sewer system.

These PSCs were grouped together mainly due to the following: geographic proximity of PSCs, the potential for off-site migration, and its impact on the other PSC. Prioritization of these PSCs was due to the suspected magnitude and toxicity of contamination, the potential for off-site migration of contaminants via several pathways, and the potential for human exposure.

1994 PRIMARY DELIVERABLES:

DUE DATE:

SITE MANAGEMENT PLAN

ANNUALLY 01 SEP 94

1994 SECONDARY DELIVERABLES:

TARGET DATE:

QUARTERLY REPORTS

31 OCT, 31 JAN,

30 APR, 31 JUL

DRAFT/FINAL SAP

03 MAR 94

FINAL SAP

09 MAY 94

PROJECTED DELIVERABLES:

PROJECTED DATE:

DRAFT RI W/BRA (P)

21 NOV 94

DRAFT FS (P)

21 MAR 95

DRAFT/FINAL RI (P)

20 JUN 95

FINAL RI (P)

20 JUL 95

RI/FS CATEGORY #5: OPERABLE UNIT 8: PSC 3. CRASH CREW TRAINING AREA:

DESCRIPTION:

This area is near Sherman Airfield. Personnel have been trained to fight aviation fires here since 1955. Ignitable fuels are poured into shallow, unlined depressions and set a fire. Fires were extinguished with foam agents. Eighteen (18) soil borings were taken to locate free products at this site. Six (6) monitoring wells were installed to monitor for volatile organic compounds (VOCs). No free product was found although halogenated VOCs were detected in three (3) of the monitoring wells. A storm drain parallel to the runway may affect the shallow groundwater flow direction. In addition to an in depth study, operation modifications eliminating the pouring of fuels directly into porous unlined pits have been adopted. Remedial investigation will include a determination of the storm drain discharge point. Since leaded gasoline is involved, the need to sample for heavy metals at the discharge point is indicated.

Screening PSC 19, Fuel Farm Pipeline Leak Area, and Screening PSC 37, Sherman Field Fuel Farm Area, were investigated and moved to the UST Program. Prioritization of these PSCs was due to the suspected magnitude and toxicity of contamination, the potential for off-site migration of contaminants via several pathways, and the potential for human exposure.

1994 PRIMARY DELIVERABLES:

DUE DATE:

SITE MANAGEMENT PLAN

ANNUALLY 01 SEP 94

1994 SECONDARY DELIVERABLES:

TARGET DATE:

QUARTERLY REPORTS

31 OCT, 31 JAN,
30 APR, 31 JUL

DRAFT/FINAL SAP

03 MAR 94

FINAL SAP

09 MAY 94

PROJECTED DELIVERABLES:

PROJECTED DATE:

DRAFT RI W/BRA (P)

21 NOV 94

DRAFT FS (P)

21 MAR 95

DRAFT/FINAL RI (P)

20 JUN 95

FINAL RI (P)

20 JUL 95

RI/FS CATEGORY — LE — UNIT 6 PSC 9. NAVY YARD DISPOSAL AREA; PSC 29. SOIL SOUTH OF BUILDING 3460; SCREENING PSC 10. COMMODORES POND. and SCREENING PSC 34. SOLVENT NORTH OF BUILDING 3557 and OPERABLE UNIT 8; PSC 3. CRASH CREW TRAINING AREA:

TASK NAME	DURATION	START	END
CATEGORY V : Sites 3, 9, 10, 14, 29, 34	1,339.00 d	12-Oct-93	11-Jun-97
DEVELOP WP	206.00 d	12-Oct-93	05-May-94
AGENCY REVIEW of DRAFT SAP	105.00 d	12-Oct-93	24-Jan-94
NAVY RCVS COMMENTS	7.00 d	25-Jan-94	31-Jan-94
ADDRESS COMMENTS	20.00 d	01-Feb-94	20-Feb-94
SUBMIT DRAFT/FINAL SAP	7.00 d	21-Feb-94	27-Feb-94
AGENCY REVIEW	60.00 d	28-Feb-94	28-Apr-94
SUBMIT FINAL SAP-5	7.00 d	29-Apr-94	05-May-94
FIELDWORK-C5	150.00 d	03-Feb-94	02-Jul-94
DATA MGT	180.00 d	18-Feb-94	16-Aug-94
RI REPORT w/ BRA	368.00 d	17-Aug-94	19-Aug-95
PREPARE DRAFT RI RPT	90.00 d	17-Aug-94	14-Nov-94
SUBMIT DRAFT RI RPT	7.00 d	15-Nov-94	21-Nov-94
AGENCY REVIEW	100.00 d	22-Nov-94	01-Mar-95
NAVY RCVS COMMENTS	7.00 d	02-Mar-95	08-Mar-95
ADDRESS COMMENTS	45.00 d	09-Mar-95	22-Apr-95
MAIL COMMENTS	7.00 d	23-Apr-95	29-Apr-95
PREPARE DRAFT/FINAL	45.00 d	30-Apr-95	13-Jun-95
SUBMIT DRAFT/FINAL	7.00 d	14-Jun-95	20-Jun-95
RI RPT FINALIZED	60.00 d	21-Jun-95	19-Aug-95
FEASIBILITY STUDY	478.00 d	15-Nov-94	06-Mar-96
PREPARE DRAFT FS	210.00 d	15-Nov-94	12-Jun-95
SUBMIT DRAFT FS	7.00 d	13-Jun-95	19-Jun-95
AGENCY REVIEW	90.00 d	20-Jun-95	17-Sep-95
NAVY RCVS COMMENTS	7.00 d	18-Sep-95	24-Sep-95

TASK NAME	DURATION	START	END
ADDRESS COMMENTS	45.00 d	25-Sep-95	08-Nov-95
MAIL COMMENTS	7.00 d	09-Nov-95	15-Nov-95
PREPARE DRAFT/FINAL	45.00 d	16-Nov-95	30-Dec-95
SUBMIT DRAFT/FINAL	7.00 d	31-Dec-95	06-Jan-96
FS RPT FINALIZED	60.00 d	07-Jan-96	06-Mar-96
PROPOSED PLAN	363.00 d	16-Nov-95	12-Nov-96
PREPARE PP	45.00 d	16-Nov-95	30-Dec-95
SUBMIT DRAFT PP	7.00 d	31-Dec-95	06-Jan-96
AGENCY REVIEW	60.00 d	07-Jan-96	06-Mar-96
NAVY RCV COMMENTS	7.00 d	07-Mar-96	13-Mar-96
ADDRESS COMMENTS	45.00 d	14-Mar-96	27-Apr-96
MAIL COMMENTS	7.00 d	28-Apr-96	04-May-96
PREPARE DRAFT/FINAL	45.00 d	05-May-96	18-Jun-96
SUBMIT DRAFT/FINAL	7.00 d	19-Jun-96	25-Jun-96
PP FINALIZED	45.00 d	26-Jun-96	09-Aug-96
PREPARE PUBLIC NOTICE	20.00 d	10-Aug-96	29-Aug-96
PUBLIC COMMENT	45.00 d	30-Aug-96	13-Oct-96
PUBLIC MEETING	1.00 d	20-Sep-96	20-Sep-96
RESPONSIVENESS SUMMARY	30.00 d	14-Oct-96	12-Nov-96
RECORD OF DECISION	241.00 d	14-Oct-96	11-Jun-97
PREPARE DRAFT ROD	30.00 d	14-Oct-96	12-Nov-96
SUBMIT DRAFT ROD	7.00 d	13-Nov-96	19-Nov-96
AGENCY REVIEW	60.00 d	20-Nov-96	18-Jan-97
NAVY RCV COMMENTS	7.00 d	19-Jan-97	25-Jan-97
ADDRESS COMMENTS	45.00 d	26-Jan-97	11-Mar-97
MAIL COMMENTS	7.00 d	12-Mar-97	18-Mar-97
PREPARE DRAFT/FINAL	30.00 d	19-Mar-97	17-Apr-97
SUBMIT DRAFT/FINAL	7.00 d	18-Apr-97	24-Apr-97
ROD FINALIZED	45.00 d	25-Apr-97	08-Jun-97

TASK NAME	DURATION	START	END
ROD SIGNATURE	3.00 d	09-Jun-97	11-Jun-97

RIFS CATEGORY #6: OPERABLE UNIT 4: PSC 15. PESTICIDE RINSATE DISPOSAL AREA and SCREENING PSC 24. DDT MIXING AREA:

DESCRIPTION:

PSC 15, Pesticide Rinsate *Disposal* Area, is located at the golf course maintenance area. It was used for over sixteen (16) years as a disposal area for rinse water from cleaning pesticide mixing and spray equipment. It includes a septic tank and drain field system. The quantity disposed of in this area is unknown. Analysis of soil samples show the presence of organic pesticides and EP Toxic concentrations of arsenic in the soil. Two (2) shallow monitoring wells were installed. Analysis of groundwater for pesticides and PCB indicate arsenic is present in groundwater. Groundwater flow direction is presumed northerly towards the Bayou Grande. In depth studies will be conducted to help define the contamination plume and definitive flow direction.

Screening PSC 24, DDT Mixing Area, is being investigated and reported concurrently with this Operable Unit. From the early 1950s until the early 1960s, this PSC was used as a location for mixing DDT with diesel fuel for mosquitos control. Spill occurred within the mixing area when DDT was transferred from drums to spray tanks. The unintentional spillage of DDT concentrate may have contaminated site soil and groundwater.

These PSCs were grouped together mainly due to geographic proximity of PSCs, similar contamination types, and similar potential investigation methods. Prioritization of these PSCs was due to the suspected magnitudes and toxicity of contamination, the potential for off-site migration of contaminants via several pathways, and the potential for human exposure.

1994 PRIMARY DELIVERABLES:

DUE DATE:

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1994 SECONDARY DELIVERABLES:

TARGET DATE:

QUARTERLY REPORTS

31 OCT, 31 JAN,

30 APR, 31 JUL

DRAFT SAP

04 SEP 94

PROJECTED DELIVERABLES:

PROJECTED DATE:

DRAFT/FINAL SAP (S)

17 DEC 94

FINAL SAP (S)

16 JAN 95

RI/FS CATEGORY #6: OPERABLE UNIT 14; PSC 17. TRANSFORMER STORAGE YARD; SCREENING PSC 18. PCB SPILL; and SCREENING PSC 28. TRANSFORMER ACCIDENT AREA:

DESCRIPTION:

Transformers containing PCBs as well as PCB-free transformers were stored on this paved area. A black oily residue on the pavement was found to contain high levels of PCBs as well as other chlorinated hydrocarbons. Three (3) soil borings drilled through the pavement found significant concentrations of PCBs near the catch basin; leakage through joints in the pavement is the suspected cause. PCB concentrations were below the EP toxic standard.

No sampling of soil outside of the paved area has been done. In addition, no samples were taken from sediments or soils within or under joints, cracks in the catch basin, or the storm sewer. Further study will be conducted on this PSC.

Screening PSC 18, PCB Spill Area and Screening PSC 28, Transformer Accident Area are being investigated and reported on concurrently with this Operable Unit.

Screening PSC 18 - In 1966 a transformer at Substation A reportedly failed, spilling approximately 50 gallons of transformer oil containing an unknown concentration of PCBs on the small gravel-covered area along the northeast side of substation A. It is assumed no clean-up effort was conducted. During IAS field investigations, analysis of a field sample indicated Arochlor 1260 was present at a concentration of 4 ppm, which was less than that considered hazardous under the Toxic Substance Control Act.

Screening PSC 28 - In 1969 a transformer fell from a truck traveling on Radford Boulevard, just north of Building 632. The transformer broke open and spilled approximately 50 gallons of transformer oil onto the pavement. It is not known whether the oil contained PCBs. The oil was reportedly washed into a nearby storm sewer drain.

These PSCs were grouped together due to the following: geographic proximity of PSCs, similar contamination types, and similar groundwater flow. Prioritization of these PSCs was due to the suspected magnitude and toxicity of contamination, the potential for off-site migration of contaminants via several pathways, and the potential for human exposure.

**RI/FS CATEGORY #6: OPERABLE UNIT 14: PSC 17. TRANSFORMER STORAGE;
YARD: SCREENING PSC 18. PCB SPILL and SCREENING PSC 28. TRANSFORMER
ACCIDENT AREA continued:**

1994 PRIMARY DELIVERABLES:

DUE DATE:

SITE MANAGEMENT PLAN

ANNUALLY 01 SEP 94

1994 SECONDARY DELIVERABLES:

TARGET DATE:

QUARTERLY REPORTS

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30 APR, 31 JUL

DRAFT SAP

04 SEP 94

PROJECTED DELIVERABLES:

PROJECTED DATE:

DRAFT/FINAL SAP (S)

17 DEC 94

FINAL SAP (S)

16 JAN 95

RI/FS CATEGORY #6: OPERABLE UNIT 4; PSC 15, PESTICIDE RINSATE DISPOSAL AREA and SCREENING PSC 24, DDT MIXING AREA and OPERABLE UNIT 14; PSC 17, TRANSFORMER STORAGE YARD; SCREENING PSC 18, PCB SPILL and SCREENING PSC 28, TRANSFORMER ACCIDENT AREA:

TASK NAME	DURATION	START	END
CATEGORY VI : Sites 15, 17, 18, 24, 28	1,370.00 d	15-Jul-94	14-Apr-98
DEVELOP WP	186.00 d	15-Jul-94	16-Jan-95
PREPARE DRAFT SAP	45.00 d	15-Jul-94	28-Aug-94
SUBMIT DRAFT SAP	7.00 d	29-Aug-94	04-Sep-94
AGENCY REVIEW	45.00 d	05-Sep-94	19-Oct-94
NAVY RCVD COMMENTS	7.00 d	20-Oct-94	26-Oct-94
PREPARE FINAL SAP	45.00 d	27-Oct-94	10-Dec-94
SUBMIT FINAL SAP-6	7.00 d	11-Dec-94	17-Dec-94
FINALIZE SAP	30.00 d	18-Dec-94	16-Jan-95
FIELDWORK-C6	90.00 d	18-Nov-94	15-Feb-95
DATA MGT	60.00 d	16-Feb-95	16-Apr-95
RI REPORT w/ BRA	368.00 d	17-Apr-95	18-Apr-96
PREPARE DFT RI RPT	90.00 d	17-Apr-95	15-Jul-95
SUBMIT DRAFT RI RPT	7.00 d	16-Jul-95	22-Jul-95
AGENCY REVIEW	100.00 d	23-Jul-95	30-Oct-95
NAVY RCVS COMMENTS	7.00 d	31-Oct-95	06-Nov-95
ADDRESS COMMENTS	45.00 d	07-Nov-95	21-Dec-95
MAIL COMMENTS	7.00 d	22-Dec-95	28-Dec-95
PREPARE DRAFT/FINAL	45.00 d	29-Dec-95	11-Feb-96
SUBMIT DRAFT/FINAL	7.00 d	12-Feb-96	18-Feb-96
RI RPT FINALIZED	60.00 d	19-Feb-96	18-Apr-96
PREPARE DRAFT FS	210.00 d	16-Jul-95	10-Feb-96
SUBMIT DRAFT FS	7.00 d	11-Feb-96	17-Feb-96
AGENCY REVIEW	90.00 d	18-Feb-96	17-May-96

TASK NAME	DURATION	START	END
NAVY RCVS COMMENTS	7.00 d	18-May-96	24-May-96
ADDRESS COMMENTS	45.00 d	25-May-96	08-Jul-96
MAIL COMMENTS	7.00 d	09-Jul-96	15-Jul-96
PREPARE DRAFT/FINAL	45.00 d	16-Jul-96	29-Aug-96
SUBMIT DRAFT/FINAL	7.00 d	30-Aug-96	05-Sep-96
FS RPT FINALIZED	60.00 d	06-Sep-96	04-Nov-96
PROPOSED PLAN	385.00 d	16-Jul-96	04-Aug-97
PREPARE PP	45.00 d	16-Jul-96	29-Aug-96
SUBMIT DRAFT PP	7.00 d	30-Aug-96	05-Sep-96
AGENCY REVIEW	60.00 d	06-Sep-96	04-Nov-96
NAVY RCV COMMENTS	7.00 d	05-Nov-96	11-Nov-96
ADDRESS COMMENTS	45.00 d	12-Nov-96	26-Dec-96
MAIL COMMENTS	7.00 d	27-Dec-96	02-Jan-97
PREPARE DRAFT/FINAL	45.00 d	03-Jan-97	16-Feb-97
SUBMIT DRAFT/FINAL	7.00 d	17-Feb-97	23-Feb-97
PP FINALIZED	45.00 d	24-Feb-97	09-Apr-97
PREPARE PUBLIC NOTICE	20.00 d	10-Apr-97	29-Apr-97
PUBLIC COMMENT	45.00 d	30-Apr-97	13-Jun-97
PUBLIC MEETING	1.00 d	21-May-97	21-May-97
RESPONSIVENESS SUMMARY	30.00 d	06-Jul-97	04-Aug-97
RECORD OF DECISION	283.00 d	06-Jul-97	14-AD [^] -98
PREPARE DRAFT ROD	30.00 d	06-Jul-97	04-Aug-97
SUBMIT DRAFT ROD	7.00 d	05-Aug-97	11-Aug-97
AGENCY REVIEW	60.00 d	12-Aug-97	10-Oct-97
NAVY RCVS COMMENTS	7.00 d	11-Oct-97	17-Oct-97
ADDRESS COMMENTS	45.00 d	18-Oct-97	01-Dec-97
MAIL COMMENTS	7.00 d	02-Dec-97	08-Dec-97
PREPARE DRAFT/FINAL	30.00 d	09-Dec-97	07-Jan-98

TASK NAME	DURATION	START	END
SUBMIT DRAFT FINAL	7.00 d	08-Jan-98	14-Jan-98
ROD FINALIZED	45.00 d	15-Jan-98	28-Feb-98
ROD SIGNATURE	45.00 d	01-Mar-98	14-Apr-98

**RIFS CATEGORY #7: OPERABLE UNIT 13: PSC 22, REFUELER REPAIR SHOP and
SCREENING PSC 8, RIFLE RANGE DISPOSAL:**

DESCRIPTION:

- PSC 22, Refueler Repair Shop — Residual fuel from aircraft refueling trucks was disposed here in preparation for repair work on the trucks. **Leaded aviation gasoline and jet fuel were disposed over a nineteen (19) year period (1958-1977).** Geraghty and Miller conducted a Verification Study of the PSC in 1984 consisting of **fifteen (15) soil borings to determine the extent of fuel in the subsurface.** It reported the water table was **encountered** at a depth of 4.5 feet below the land surface. **No free product was detected** during this study. **Further studies will be conducted.**

Screening PSC 8, Rifle Range Disposal Area, is **being investigated** and reported on **concurrently** with this Operable Unit. The rifle range disposal area is located in the area now occupied by Building 3561. This building covers an area approximately **550 feet** by **163 feet**. Surrounding the building is an asphalt parking lot on the **eastern, western and northern** sides of the building. Along the southern side of the building lies a small **grassy area.** This area was **reportedly used** for the disposal of solid waste (primarily paper) from **NAS Pensacola** between 1951 and 1955, and disposal was accomplished by **burning and burial.**

These PSCs were grouped together due to the following: geographic proximity of PSCs, similar contamination types, and similar groundwater flow. **Prioritization of these PSCs was due to the suspected magnitude and toxicity of contamination, the potential for off-site migration of contamination via several pathways, and the potential for human exposure.**

DESCRIPTION:

1994 PRIMARY DELIVERABLES:

DUE DATE:

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1994 SECONDARY DELIVERABLES:

TARGET DATE:

QUARTERLY REPORTS

31 OCT, 31 JAN,
30 APR, 31 JUL

PROJECTED DELIVERABLES:

PROJECTED DATE:

DRAFT SAP (S)

08 JAN 95

DRAFT/FINAL SAP (S)

07 MAY 95

FINAL SAP (S)

06 JUN 95

RI/FS CATEGORY #7: OPERABLE UNIT 13; PSC 22. REFUELER REPAIR SHOP and SCREENING PSC 8. RIFLE RANGE DISPOSAL AREA; SCREENING PSC 4. ARMY RUBBLE DISPOSAL. SCREENING PSC 5. BORROW PIT. SCREENING PSC 6. FORT REDOUBT RUBBLE DISPOSAL. SCREENING PSC 7. FIREFIGHTING SCHOOL, and SCREENING PSC 16. BRUSH DISPOSAL AREA:

TASK NAME	DURATION	START	END
CATEGORY VII: Sites 4, 5, 6, 7, 8, 16, 22	1,250.00 d	18-Nov-94	20-Apr-98
DEVELOP WP	201.00 d	18-Nov-94	06-Jun-95
PREPARE DRAFT SAP	45.00 d	18-Nov-94	01-Jan-95
SUBMIT DRAFT SAP	7.00 d	02-Jan-95	08-Jan-95
AGENCY REVIEW	45.00 d	09-Jan-95	22-Feb-95
NAVY RCVS COMMENTS	7.00 d	23-Feb-95	01-Mar-95
PREPARE FINAL SAP	60.00 d	02-Mar-95	30-Apr-95
SUBMIT FINAL SAP-7	7.00 d	01-May-95	07-May-95
FINALIZE SAP	30.00 d	08-May-95	06-Jun-95
FIELDWORK-C7	120.00 d	16-Feb-95	15-Jun-95
DATA MGT	60.00 d	16-Jun-95	14-Aug-95
RI REPORT w/ BRA	368.00 d	15-Aug-95	16-Aug-96
PREPARE DFT RI RPT	90.00 d	15-Aug-95	12-Nov-95
SUBMIT DRAFT RI RPT	7.00 d	13-Nov-95	19-Nov-95
AGENCY REVIEW	100.00 d	20-Nov-95	27-Feb-96
NAVY RCVS COMMENTS	7.00 d	28-Feb-96	05-Mar-96
ADDRESS COMMENTS	45.00 d	06-Mar-96	19-Apr-96
MAIL COMMENTS	7.00 d	20-Apr-96	26-Apr-96
PREPARE DRAFT/FINAL	45.00 d	27-Apr-96	10-Jun-96
SUBMIT DRAFT/FINAL	7.00 d	11-Jun-96	17-Jun-96
RI RPT FINALIZED	60.00 d	18-Jun-96	16-Aug-96
FEASIBILITY STUDY	478.00 d	13-Nov-95	-04-Mar-97
PREPARE DRAFT FS	210.00 d	13-Nov-95	09-Jun-96
SUBMIT DRAFT FS	7.00 d	10-Jun-96	16-Jun-96

TASK NAME	DURATION	START	END
AGENCY REVIEW	90.00 d	17-Jun-96	14-Sep-96
NAVY RCVS COMMENTS	7.00 d	15-Sep-96	21-Sep-96
ADDRESS COMMENTS	45.00 d	22-Sep-96	05-Nov-96
MAIL COMMENTS	7.00 d	06-Nov-96	12-Nov-96
PREPARE DRAFT/FINAL	45.00 d	13-Nov-96	27-Dec-96
SUBMIT DRAFT/FINAL	7.00 d	28-Dec-96	03-Jan-97
FS RPT FINALIZED	60.00 d	04-Jan-97	04-Mar-97
PROPOSED PLAN	363.00 d	13-Nov-96	10-Nov-97
PREPARE PP	45.00 d	13-Nov-96	27-Dec-96
SUBMIT DRAFT PP	7.00 d	28-Dec-96	03-Jan-97
AGENCY REVIEW	60.00 d	04-Jan-97	04-Mar-97
NAVY RCVS COMMENTS	7.00 d	05-Mar-97	11-Mar-97
ADDRESS COMMENTS	45.00 d	12-Mar-97	25-Apr-97
MAIL COMMENTS	7.00 d	26-Apr-97	02-May-97
PREPARE DRAFT/FINAL	45.00 d	03-May-97	16-Jun-97
SUBMIT DRAFT/FINAL	7.00 d	17-Jun-97	23-Jun-97
PP FINALIZED	45.00 d	24-Jun-97	07-Aug-97
PREPARE PUBLIC NOTICE	20.00 d	08-Aug-97	27-Aug-97
PUBLIC COMMENT	45.00 d	28-Aug-97	11-Oct-97
PUBLIC MEETING	1.00 d	18-Sep-97	18-Sep-97
RESPONSIVENESS SUMMARY	30.00 d	12-Oct-97	10-Nov-97
RECORD OF DECISION	256.00 d	08-Aug-97	20-Apr-98
PREPARE DRAFT ROD	45.00 d	08-Aug-97	21-Sep-97
SUBMIT DRAFT ROD	7.00 d	22-Sep-97	28-Sep-97
AGENCY REVIEW	60.00 d	29-Sep-97	27-Nov-97
NAVY RCVS COMMENTS	7.00 d	28-Nov-97	04-Dec-97
ADDRESS COMMENTS	45.00 d	05-Dec-97	18-Jan-98
MAIL COMMENTS	7.00 d	19-Jan-98	25-Jan-98

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PENSACOLA, FLORIDA**

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TASK NAME	DURATION	START	END
PREPARE DRAFT/FINAL	30.00 d	26-Jan-98	24-hb-98
SUBMIT DRAFT/FINAL	7.00 d	25-Feb-98	03-Mat-98
ROD FINALIZED	45.00 d	04-Mar-98	17-Apt-98
ROD SIGNATURE	3.00 d	18-Apr-98	20-Apr-98

CATEGORY #8: SCREENING PSC 36. INDUSTRIAL WASTEWATER TREATMENT PLANT SEWER LINE:

DESCRIPTION:

The industrial waste sewer line is about 23,000 feet long and is located in an area approximately 1 mile wide by 1.5 miles long in the southeastern portion of NAS Pensacola. Flow within the sewer line is toward the Industrial Waste Treatment Plant which is located at the northeast end of the base. The entire line will be investigated for leaks. The following schedule is provided for information only as this site is currently a screening site.

TASK NAME	DURATION	START	END
CATEGORY VIII : Site 36	747.00 d	23-Jan-94	08-Feb-96
DEVELOP WP	253.00 d	23-Jan-94	02-Oct-94
PREPARE DRAFT SAP	97.00 d	23-Jan-94	29-Apr-94
SUBMIT DRAFT SAP	7.00 d	30-Apr-94	06-May-94
AGENCY REVIEW	45.00 d	07-May-94	20-Jun-94
NAVY RCVS COMMENTS	7.00 d	21-Jun-94	27-Jun-94
ADDRESS COMMENTS	30.00 d	28-Jun-94	27-Jul-94
PREPARE FINAL SAP	30.00 d	28-Jul-94	26-Aug-94
SUBMIT FINAL SAP-8	7.00 d	27-Aug-94	02-Sep-94
FINALIZE SAP-8	30.00 d	03-Sep-94	02-Oct-94
FIELDWORK-C8	325.00 d	27-Apr-94	17-Mar-95
BRAC FIELDWORK (PHASE -1)	21.00 d	27-Apr-94	17-May-94
TECH MEMO-1	60.00 d	18-May-94	16-Jul-94
AGENCY REVIEW	30.00 d	17-Jul-94	15-Aug-94
BRAC FIELDWORK (PHASE -2)	21.00 d	16-Aug-94	05-Sep-94
TECH MEMO-2	45.00 d	06-Sep-94	20-Oct-94
AGENCY REVIEW	30.00 d	21-Oct-94	19-Nov-94
REMAINING FIELDWORK (PHASE-1)	14.00 d	20-Nov-94	03-DEC-94
TECH MEMO (PHASE -1)	60.00 d	04-Dec-94	01-Feb-95
AGENCY REVIEW	30.00 d	02-hb-95	03-Mar-95

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TASK NAME	DURATION	START	END
REMAINING FIELDWORK (PHASE-2)	14.00 d	04-Mar-95	17-Mar-95
SITE CHARACTERIZATION REPORT	328.00 d	18-Mar-95	08-Feb-96
PREPARE DFT SITE CHARACTERIZATION RPT	120.00 d	18-Mar-95	15-Jul-95
SUBMIT DFT SITE CHARACTERIZATION RPT	7.00 d	16-Jul-95	22-Jul-95
AGENCY REVIEW	60.00 d	23-Jul-95	20-SOP-95
NAVY RCVS COMMENTS	7.00 d	21-Sep-95	27-Sep-95
ADDRESS COMMENTS	45.00 d	28-Sep-95	11-Nov-95
MAIL COMMENTS	7.00 d	12-Nov-95	18-Nov-95
PREPARE DRAFT/FINAL	45.00 d	19-Nov-95	02-Jan-96
SUBMIT DRAFT/FINAL	7.00 d	03-Jan-96	09-Jan-96
SITE CHARACTERIZATION RPT FINALIZED	30.00 d	10-Jan-96	08-Feb-96