



DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
2155 EAGLE DR., P. O. BOX 10068
CHARLESTON, S. C. 29411-0068

32501.000
09.01.00.0057

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

5090
1851/11

CERTIFIED MAIL- RETURN RECEIPT REQUESTED

27 MAR 1992

Mr. Eric Nuzie
Federal Facilities Coordinator
Florida Department of Environmental Regulations (FDER)
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 37399-2400

N00204.AR.000344
NAS PENSACOLA
5090.3a

Dear Mr. Nuzie:

In response to the EPA letter dated January 8, 1992, the Final 1992 Yearly Site Management Plan (SMP) for the Naval Air Station (NAS) Pensacola, Pensacola, Florida is submitted after incorporating those EPA primary comments, and has been enclosed for your review and approval as enclosure (1).

Also, we have enclosed for your review the informal 1992 Expedited Site Schedules for NAS Pensacola, Florida as enclosures (2). Enclosure (3) is the Navy Responses to Comments. Enclosure (4) is the NAS Pensacola Preliminary Generic Draft Site Management Plan for 1993. In the 1993 SMP, you will find that the EPA secondary comments have been addressed, and changes to the format have occurred in order to minimize the amount of wording, and to establish a general format for NAS Pensacola SMP which will be similar to other NPL Naval activity SMPs (i.e., NAS Cecil Field, NAS Jacksonville, and MCAS Albany). Please review the 1993 SMP and provide comments were necessary.

If you should have any questions regarding the enclosures, please contact Ms. Suzanne O. Sanborn at (803) 743-0574.

Sincerely,

MR. JAMES B. MALONE, JR., P.E.
MANAGER OF THE INSTALLATION
RESTORATION, EAST SECTION

Encl :

- (1) 1992 Yearly *SMP*
- (2) Informal Expedited Site Schedules
- (3) Navy Responses to EPA Comments
- (3) Preliminary Draft 1993 *SMP*

copy to:

NAS Pensacola (*Mr. Ron Joyner, Code 18520*)
EPA (*Ms. Allison Drew*)
E&E, Inc. (*Mr. John Barksdale*)
Ensafe (*Mr. Paul Stoddard*)

10/1/92

FINAL

1992 SITE MANAGEMENT PLAN (SMP)
OF THE INSTALLATION RESTORATION PROGRAM
FOR THE

NAVAL AIR STATION PENSACOLA
PENSACOLA, FLORIDA

MARCH 31, 1992
YEARLY UPDATE REVISION 3

Prepared By:

Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
P.O. Box.10068
Charleston, South Carolina
29411-0068

Enclosure (1)

1. THE BASIS FOR A SITE MANAGEMENT PLAN (SMP)

The requirement for the Site Management Plan (SMP) is identified in the Federal Facilities Agreement (FFA) signed by the Environmental Protection Agency (EPA), the State of Florida- Florida Department of Environmental Regulation (FDER), 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 of the environment, (2) a list of Operable Units (OUs) subject to the tenets 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, this is the first Yearly 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 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) which identified and assessed 29 potential sources of contamination (PSC) at NAS Pensacola, and 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.

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

31 MARCH 1992
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In addition to the NIRP/CERCLA 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 EPA on July 1988. A RCRA Facility Assessment (RFA) was included in the EPA issued permit, and additional PSCs sites were located. An Underground Storage Tank (UST) Program is currently investigating over 21 tanks as provided by the Florida Administrative Code, Section 17-770.

There is a total of 42 PSCs which have been identified at NAS Pensacola (See Table 1-1). Of the 42 PSCs (see Table 1-1), seventeen (17) PSCs are undergoing screening and twenty (20) PSCs require RI/FS as identified in the FFA. The screening process of the 17 PSCs is due to the present data quality objective inadequacies and data gaps, or due to a preliminary determination that no further action is required. The 17 PSCs undergoing screening will not be included or tracked in the SMP, unless they have been grouped with Operable Units for investigative and reporting purposes. 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 these sites for which an RI/FS has been required. Screening is currently underway or planned for seventeen (17) PSCs in the IR program, and a schedule status will continually track the investigation progress and provide updates to the Remedial Project Managers (RPMs). The five (5) remaining PSCs which will not proceed in the IR Program are PSCs Sites 19, 20, 21, 23, and 37, and these sites have been transferred to the Underground Storage Tank (UST) Program. These five (5) PSCs are not included or tracked in this SMP. The UST Program is a State and EPA 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 groupings or 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 1991- 1992 such as field work, data reports, and workplans. This SMP also projects the management and the deliverables for outlying years 1993, 1994, and 1995 such as Baseline Risk Assessment Report, Feasibility Study, proposed Remedial Action Plan (RAP), and the Record of Decision. The projected scheduling of the IR program tasks is shown through the signing of the record of decision and the published public notice. Detailed within this SMP are the program events to take place in the upcoming year (1991-1992), as well as the delivery due dates for draft primary documents and target dates for secondary program documents.

TABLE 1-1

IDENTIFICATION OF PSCS REQUIRING ACTION
NAS PENSACOLA

Group ltr	OU#	PSC#	Batch#	Site Description	FFA Requires	Type of Contamination
A	1	1	1	Sanitary landfill	H,C RI/FS	Solvents, PCB, Plating Soln, oil, paints, mercury, and asbestos.
C	3	2	1	Waterfront Sediments	H,C RI/FS	Solvents, cyanide, metals
J	a	3	2	Crash Crew Training	H,C RI/FS	Leaded gas
L	-	4	4	Army Rubble Disposal	C screen	Rubble, timber pipes, other wastes
L	-	5	4	Borrow Pit	C screen	unknown
L	-	6	4	Fort Redoubt Rubble Disposal	C screen	Concrete, asphalt rubble, wood, metal, plastics, and other debris
K	-	7	2	Firefighting School	C screen	POLS
H	-	8	4	Rifle Range Disposal	C screen	solid waste, paper
F	6	9	2	Navy Yard Disposal	C RI/FS	trash, and refuse
F		10	2	Commodores Pond	C screen	underwater storage of oak timbers
B	2	11	1	N. Chevalier Disposal Field	H,C RI/FS	Industrial waste, oils, HW
B	-	12	1	Scrap Bins	C screen	Wet garage
C	-	13	1	Magazine Point Rubble Disposal	C screen	Rubble, metal concrete, wood, bricks
C	-	14	1	Dredge Spoil Fill	C screen	Dredge material
D	4	15	1	Pesticide Rinsate Disposal Area	H,C RI/FS	Organic pesticide

TABLE 1-1 (Continued)

IDENTIFICATION OF PSCS REQUIRING ACTION
 NAS PENSACOLA

Group ltr	OU#	PSC#	Batch#	Site Description	FFA Requires	Type of Contamination
L	-	16	4	Brush Disposal Area	C screen	pruning and tree trimming refuse
I	14	17	4	Transformer Storage Yard	H,C RI/FS	Dielectric oils, PCBs
I	-	18	4	PCB Spill Area	C screen	Transformer oil, PCBs
J	-	19	2	Fuel Farm Pipeline Leak	U screen	JP-4
K	-	20	2	Pier Pipe Leak	U screen	POLS
K	-	21	2	Sludge at Fuel Tanks	U screen	AVGAS
H	13	22	4	Refueler Repair Shop	C RI/FS	Aviation gas, JP w/ lead
F	-	23	2	Chevalier Field Leak	U screen	NSFO, DFM
D	-	24	1	DDT Mixing Area	C screen	DDT w/diesel fuel
G	-	25	2	Radium Spill Site	C screen	Radioactive waste
B	-	26	1	Supply Department Outside Storage	H,C RI/FS	Industrial waste, oils
G	7	27	2	Radium Dial Shop Sewer	H,C RI/FS	Radium, phosphors, cleaning soln
I	-	28	4	Transformer Accident	C screen	Transformer oil
F	6	29	2	Soil South of Bldg 3460	H,C RI/FS	Slimy black substance (unknown)
E	5	30	2	Bldg. 649 & 755	H,C RI/FS	Metals, acids caustics, degreasers, chromatic soln, cyanide
M	9	31	2	Soil North of Bldg. 648	H,C RI/FS	Waste paint, thinner, paint sludge

TABLE 1-1 (Continued)

IDENTIFICATION OF PSCS REQUIRING ACTION
NAS PENSACOLA

Group ltr	OU#	PSC#	Batch#	Site Description	FFA Requires	Type of Contamination
O	10	32	3	IWTP Sludge Drying Beds	H,C RI/FS	F006 HW
O	10	33	3	WWTP Ponds	H,C RI/FS	F006 HW
F	-	3 4	2	Solvent North of Bldg 3557	H,C screen	solvent detergent
O	10	35	3	Miscellaneous IWTP SWMUs	H,C screen	unknown
N	-	36	2	IWTP Sewer	H,C screen	Industrial waste
-	-	37	-	Sherman Field Fuel Farm	U screen	JP, POL
P	11	38	4	Bldg. 71	H,C RI/FS	Paint stripper, ketone, TCE
Q	12	39	4	Oak Grove Campground Site	H,C RI/FS	Debris, POL, broken clay coal
R	15	40	5	Bayou Grande Area	C RI/FS	unknown
S	16	41	5	NASP Wetlands	C RI/FS	unknown
T	17	42	5	Pensacola Bay	C RI/FS	unknown

** Explanation:

Statutes: H- HWSA
C- CERCLA
U- UST

Through this approach, the RI/FS process can be responsive to individual PSC characteristics and technical requirements, and attempt to minimize lengthy delays between field actions. This provides the Navy the flexibility to address PSC(s), OU(s), or a set of PSC(s)/OU(s) separately or as a whole. In addition, specific matrices (i.e., soil/sediment, groundwater, surface water, or air) of individual PSC(s), or OU(s), 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 17 PSCs requiring RI/FS and the 3 areas to be considered if supporting data warrants have been clustered into 17 Operable Units (OUs). The scheduled work at these OUs is being offset based on relative potential threat, schedule optimization and task management. The phasing priorities were formulated in the Site Management Plan, July 1990 (Ecology and Environment) of the Work Plans as well as other previous documents. This Plan was approved on 23 October 1990. The criteria used to generate the RI/FS OUs is 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; and.
- 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.

Due to the large number of PSCs on NAS Pensacola overall, the number of PSCs in each RI/FS OU, and the aggregate complexity of the contamination problem at each OU, the commencement of work at all OUs concurrently is not feasible; therefore, a phased approach has been implemented. The schedule is staggered in nature to provide for 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 phasing priorities was based on the twelve (12) criteria stated above. The specific aggregation issues are discussed in the accompanying OU specific narratives. The assignment of priorities was driven by the actual or potential threat posed by the PSC's known or suspected contamination.

4. PSC SITE SMP EXCLUSION

The 17 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 17 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. Additionally as stated earlier, five PSCs Sites 19, 20, 21, 23, and 37 have been transferred to the UST Program for response activities detailed in Florida Administrative Code 17-770, and are not included in the SMP or the DoN's IR Program.

5. OPERATIONAL UNIT SCHEDULING

The schedules of the operable units 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) Sampling and Analysis Plans and Health and Safety Plans are submitted concurrently with the Work Plans and are not listed as separate deliverables.

6. OPERATIONAL UNIT NARRATIVES

The following are narratives describing the contents of each OU. A brief description of each OU and what is known about the contamination and an assessment of its present threat is included. The events for the upcoming year are listed, and the due dates of primary documents and the target dates of secondary documents are provided. A schedule of the projected submittal dates for primary documents only is included for the first outlying year. The upcoming and outlying year are on one time line Gantt Chart schedule. For the long term view, a list of projected schedule program tasks through the published public notice of the record of decision is identified.

RI/FS OPERABLE WIT #1 - SANITARY LANDFILL, PSC SITE #1 - GROUP A

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, and mercury. 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. None 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 high priority 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.

1992 Primary Deliverables:

Due Date:

Draft/Final Phase II Workplan (Agency Review Comments)	Navy transmits on 30 Jun 92 Due within 60 days of Plan delivery
(Navy Receives Comments)	Due 7 days after the 60 day review period
(Navy Addresses Comments)	Due 60 days after received comments
Final Phase II Workplan	Navy transmits on 6 Aug 92
Site Management Plan (Revised)	Yearly update Sep 92

RI/FS OPERABLE WIT #1: SANITARY LANDFILL; PSC SITE #1; GROUP A
continued:

1992 Secondary Deliverables:

Target Date:

Quarterly Reports

Navy transmits on 10 Apr,
July, and Oct.

Projected Deliverables

Projected Date:

Draft RI Report (P)

Navy transmits 8 Aug 93

Draft Baseline Risk Assessment (S)

Navy transmits 5 Oct 93

Draft Feasibility Study (P)

Navy transmits 7 Jan 94

Note:

(P) designates a Primary Document according to page 21 of FFA

(S) designates a Secondary Document according to page 22 of FFA

*NOTE: THE FOLLOWING TASK CHARTS FOR ALL OUS IS BATCH-SPECIFIC
RATHER THAN OU-SPECIFIC FOR FIELD WORK. IN THE FY93 SMP SUBMITTAL
ONLY ONE TASK CHART WILL BE PROVIDE PER BATCH.

RI/FS OPERABLE UNIT #1: SANITARY LANDFILL, PSC SITE #1, GROUP A

	Start Date	End Date	Duratn (Days)	Pct Achvd
	-----	-----	-----	-----
	23-Oct-90	23-Oct-90	0.0	100
	24-Oct-90	16-Nov-91	388.0	100
	24-Oct-90	27-May-91	215.0	100
	26-May-91	2-Jun-91	7.0	100
	2-Jun-91	26-Sep-91	116.0	100
	12-Aug-91	26-Sep-91	45.0	100
	26-Sep-91	17-Oct-91	21.0	100
	17-Oct-91	24-Oct-91	7.0	100
	12-Aug-91	17-Oct-91	66.0	100
	17-Oct-91	24-Oct-91	7.0	100
	17-Oct-91	16-Nov-91	30.0	100
	30-Jul-91	18-Sep-94	1,146.0	0
	30-Jul-91	19-Apr-94	994.0	0
	30-Jul-91	17-Oct-91	79.0	100
	17-Oct-91	23-Feb-92	129.0	100
	24-Feb-92	2-Mar-92	7.0	100
	2-Mar-92	1-May-92	60.0	0
	1-May-92	8-May-92	7.0	0
	1-May-92	30-Jun-92	60.0	0
	30-Jun-92	7-Jul-92	7.0	0
	7-Jul-92	6-Aug-92	30.0	0
	6-Aug-92	2-Jun-93	300.0	0
	2-Jun-93	1-Aug-93	60.0	0
	1-Aug-93	8-Aug-93	7.0	0
	8-Aug-93	6-Nov-93	90.0	0
	6-Nov-93	13-Nov-93	7.0	0
	13-NOV-93	12-Jan-94	60.0	0
	12-Jan-94	19-Jan-94	7.0	0
	12-Jan-94	13-Mar-94	60.0	0
	13-Mar-94	20-Mar-94	7.0	0
	20-Mar-94	19-Apr-94	30.0	0
	2-Mar-93	16-Jun-94	471.0	0
	2-Mar-93	28-Sep-93	210.0	0
	28-Sep-93	5-Oct-93	7.0	0
	5-Oct-93	3-Jan-94	90.0	0
	3-Jan-94	10-Jan-94	7.0	0
	10-Jan-94	11-Mar-94	60.0	0
	11-Mar-94	18-Mar-94	7.0	0
	11-Mar-94	10-May-94	60.0	0
SUBMIT DRFT/FIN	10-May-94	17-May-94	7.0	0
	17-May-94	16-Jun-94	30.0	0
FEASIBILITY STUDY	1-NOV-93	18-Sep-94	321.0	0
PREPARE DRAFT FS	1-NOV-93	31-Dec-93	60.0	0
SUBMIT DRAFT FS	31-Dec-93	7-Jan-94	7.0	0
AGENCY REVIEW	7-Jan-94	7-Apr-94	90.0	0

NAVY RECVS COMMENTS	7-Apr-94	14-Jul-94	7.0	0
ADDRESS COMMENTS	14-Apr-94	13-Jun-94	60.0	0
MAIL COMMENTS	13-Jun-94	20-Jun-94	7.0	0
PREPARE DRFT/FIN	13-Jun-94	12-Aug-94	60.0	0
SUBMIT DRFT/FIN	12-Aug-94	19-Aug-94	7.0	0
FS RPT FINALIZED	19-Aug-94	18-Sep-94	30.0	0
PROPOSED PLAN (PP)	12-Aug-94	27-Sep-95	411.0	0
PREPARE PP	12-Aug-94	11-Oct-94	60.0	0
SUBMIT DRAFT PP	11-Oct-94	18-Oct-94	7.0	0
AGENCY REVIEW	18-Oct-94	16-Jan-95	90.0	0
NAVY RECVS COMMENTS	16-Jan-95	23-Jan-95	7.0	0
ADDRESS COMMENTS	23-Jan-95	24-Mar-95	60.0	0
MAIL COMMENTS	24-Mar-95	31-Mar-95	7.0	0
PREPARE DRAFT/FINAL	24-Mar-95	23-May-95	60.0	0
SUBMIT DRAFT/FINAL	23-May-95	30-May-95	7.0	0
PP FINALIZED	30-May-95	29-Jun-95	30.0	0
PREPARE PUBLIC NOTICE	29-Jun-95	14-Jul-95	15.0	0
PUBLISH PUBLIC NOTICE	14-Jul-95	13-Aug-95	30.0	0
PUBLIC COMMENT PERIOD	13-Aug-95	27-Sep-95	45.0	0
PUBLIC MEETING	7-Aug-95	8-Aug-95	1.0	0
RESPONSIVENESS SUMMARY	28-Aug-95	27-Sep-95	30.0	0
RECORD OF DECISION	22-Mar-95	5-Jan-96	289.0	0
PREPARE DRAFT ROD	22-Mar-95	21-Apr-95	30.0	0
SUBMIT DRAFT ROD	21-Apr-95	28-Apr-95	7.0	0
AGENCY REVIEW	28-Apr-95	27-Jul-95	90.0	0
NAVY RECVS COMMENTS	27-Jul-95	3-Aug-95	7.0	0
ADDRESS COMMENTS	3-Aug-95	2-Oct-95	60.0	0
MAIL COMMENTS	2-Oct-95	9-Oct-95	7.0	0
PREPARE DRAFT/FINAL	2-Oct-95	1-Dec-95	60.0	0
SUBMIT DRAFT/FINAL	1-Dec-95	4-Dec-95	3.0	0
ROD FINALIZED	4-Dec-95	3-Jan-96	30.0	0
ROD SIGNATURE	4-Jan-96	5-Jan-96	1.0	0

TIME LINE Task Report

RI/FS OPERABLE UNIT #2: NORTH CHEVALIER FIELD DISPOSAL AREA. PSC SITE 11; AND SUPPLY DEPARTMENT OUTSIDE STORAGE AREA. PSC SITE 26; GROUP B

DESCRIPTION:

PSC Site 11- North Chevalier Field Disposal Area: 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 contamination of groundwater with heavy metals and VOCs. Groundwater flow in the shallow system is eastward toward the creek leading into the Bayou Grande. Sediment samples taken during the NACIP Study showed high concentrations of heavy metal. 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.

PSC Site 26- Supply Department Outside Storage Area: A 90 square foot outside area, south of building 684, used to store containers of industrial materials. The containers were stored on steel mats. Leakage is reported to have occurred from these containers. Since PSC Site 11 is downgradient from this area, in depth studies will be conducted.

The following Screening Sites which will be investigated and reported on concurrently with this Operable Unit include; PSC Site 12: Scrap Bins which is located approximately 800 feet northwest of Chevalier Field and 600 feet west of Site 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 1930 to mid 1940, garbage from NAS Pensacola was placed scrap bins and stored in this area (industrial wastes were sent to the North Chevalier Disposal Area). Approximately 16 cubic yards (2 truck loads) per day of wet garbage was stored here before being hauled off and used as livestock feed. There is no evidence of hazardous material disposal at this site.

These PSC sites were grouped together mainly due to geographic proximity of sites, similar contamination types, and similar potential investigation methods. The prioritization of these sites 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 OPERABLE UNIT #2: NORTH CHEVALIER FIELD DISPOSAL AREA, PSC
SITE 11; AND SUPPLY DEPARTMENT OUTSIDE STORAGE AREA, PSC SITE 26;
GROUP B. continued:

1992 Primary Deliverables:

Due Date:

Draft/Final Phase II Workplan (P) (Agency Review Comments)	Navy transmits 30 Jun 92
(Navy Receives Comments)	Due within 90 days of Plan delivery
(Navy Addresses Comments)	Due 7 days after the 90 day review period
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Site Management Plan (Revised)	Navy transmits 6 Aug 92
	Yearly update Sep 92

1992 Secondary Deliverables:

Taruet Date:

Quarterly Reports	Navy transmits on 10 Apr, July, and Oct.
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Projected Deliverables

Projected Date:

Draft RI Report (P)	Navy transmits 8 Aug 93
Draft Baseline Risk Assessment (S)	Navy transmits 5 Oct 93
Draft Feasibility Study (P)	Navy transmits 7 Jan 94

Note:

(P) designates a Primary Document according to page 21 of FFA
(S) designates a Secondary Document according to page 22 of FFA

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

**31 MARCH 1992
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**RI/FS OPERABLE UNIT #2: NORTH CHEVALIER FIELD DISPOSAL AREA, PSC
SITE 11; AND SUPPLY DEPARTMENT OUTSIDE STORAGE AREA. PSC SITE 26:
GROUP B**

Task Name	Start Date	End Date	Duratn (Days)	Pct Achvd
WORK PLAN APPROVAL	23-Oct-90	23-Oct-90	0.0	100
RI/FS PHASE 1	24-Oct-90	16-Nov-91	388.0	100
FIELD WORK, DATA RPT	24-Oct-90	27-May-91	215.0	100
SUBMIT DRAFT DATA RPT	26-May-91	2-Jun-91	7.0	100
AGENCY REVIEW	2-Jun-91	26-Sep-91	116.0	100
NAVY RECVS COMMENTS	12-Aug-91	26-Sep-91	45.0	100
ADDRESS COMMENTS	26-Sep-91	17-Oct-91	21.0	100
MAIL COMMENTS	17-Oct-91	24-Oct-91	7.0	100
PREPARE FINAL DATA REPO	12-Aug-91	17-Oct-91	66.0	100
SUBMIT FINAL DATA REPOR	17-Oct-91	24-Oct-91	7.0	100
DATA RPT FINALIZED	17-Oct-91	16-Nov-91	30.0	100
RI/FS PHASE II	30-Jul-91	18-Sep-94	1,146.0	0
RI REPORT	30-Jul-91	19-Apr-94	994.0	0
RESUBMIT DRFT WKPLAN	30-Jul-91	17-Oct-91	79.0	100
AGENCY REVIEW	17-Oct-91	23-Feb-92	129.0	100
NAVY RECVS COMMENTS	24-Feb-92	2-Mar-92	7.0	100
ADDRESS COMMENTS	2-Mar-92	1-May-92	60.0	0
MAIL COMMENTS	1-May-92	8-May-92	7.0	0
PREPARE DRAFT/FINAL	1-May-92	30-Jun-92	60.0	0
SUBMIT DRAFT/FIN	30-Jun-92	7-Jul-92	7.0	0
WK PLANS FINALIZED	7-Jul-92	6-Aug-92	30.0	0
FIELD WORK	6-Aug-92	2-Jun-93	300.0	0
PREPARE DFT RI RPT	2-Jun-93	1-Aug-93	60.0	0
SUBMIT DFT RI RPT	1-Aug-93	8-Aug-93	7.0	0
AGENCY REVIEW	8-Aug-93	6-NOV-93	90.0	0
NAVY RECVS COMMENTS	6-Nov-93	13-NOV-93	7.0	0
ADDRESS COMMENTS	13-NOV-93	12-Jan-94	60.0	0
MAIL COMMENTS	12-Jan-94	19-Jan-94	7.0	0
PREPARE DRFT/FIN	12-Jan-94	13-Mar-94	60.0	0
SUBMIT DRFT/FIN	13-Mar-94	20-Mar-94	7.0	0
RI REPORT FINAL	20-Mar-94	19-Apr-94	30.0	0
BASELINE RISK	2-Mar-93	16-JUn-94	471.0	0
PREPARE DRFT BASELINE	2-Mar-93	28-Sep-93	210.0	0
SUBMIT DRAFT BASELINE	28-Sep-93	5-Oct-93	7.0	0
AGENCY REVIEW	5-Oct-93	3-Jan-94	90.0	0
NAVY RECVS COMMENTS	3-Jan-94	10-Jan-94	7.0	0
ADDRESS COMMENTS	10-Jan-94	11-Mar-94	60.0	0
MAIL COMMENTS	11-Mar-94	18-Mar-94	7.0	0
PREPARE DRFT/FIN	11-Mar-94	10-May-94	60.0	0
SUBMIT DRFT/FIN	10-May-94	17-May-94	7.0	0
BASELINE FINAL	17-May-94	16-Jun-94	30.0	0
FBASIBILITY STUDY	1-Nov-93	18-Sep-94	321.0	0
PREPARE DRAFT FS	1-Nov-93	31-Dec-93	60.0	0
SUBMIT DRAFT FS	31-Dec-93	7-Jan-94	7.0	0
AGENCY REVIEW	7-Jan-94	7-Apr-94	90.0	0

NAVY RECVS COMMENTS	7-Apr-94	14-Apr-94	7.0	0
ADDRESS COMMENTS	14-Apr-94	13-Jun-94	60.0	0
MAIL COMMENTS	13-Jun-94	20-Jun-94	7.0	0
PREPARE DRFT/FIN	13-Jun-94	12-Aug-94	60.0	0
SUBMIT DRFT/FIN	12-Aug-94	19-Aug-94	7.0	0
FS RPT FINALIZED	19-Aug-94	18-Sep-94	30.0	0
PROPOSED PLAN (PP)	12-Aug-94	27-Sep-95	411.0	0
PREPARE PP	12-Aug-94	11-Oct-94	60.0	0
SUBMIT DRAFT PP	11-Oct-94	18-Oct-94	7.0	0
AGENCY REVIEW	18-Oct-94	16-Jan-95	90.0	0
NAVY RECVS COMMENTS	16-Jan-95	23-Jan-95	7.0	0
ADDRESS COMMENTS	23-Jan-95	24-Mar-95	60.0	0
MAIL COMMENTS	24-Mar-95	31-Mar-95	7.0	0
PREPARE DRAFT/FINAL	24-Mar-95	23-May-95	60.0	0
SUBMIT DRAFT/FINAL	23-May-95	30-May-95	7.0	0
PP FINALIZED	30-May-95	29-Jun-95	30.0	0
PREPARE PUBLIC NOTICE	29-Jun-95	14-Jul-95	15.0	0
PUBLISH PUBLIC NOTICE	14-Jul-95	13-Aug-95	30.0	0
PUBLIC COMMENT PERIOD	13-Aug-95	27-Sep-95	45.0	0
PUBLIC MEETING	7-Aug-95	8-Aug-95	1.0	0
RESPONSIVENESS SUMMARY	28-Aug-95	27-Sep-95	30.0	0
RECORD OF DECISION	22-Mar-95	5-Jan-96	289.0	0
PREPARE DRAFT ROD	22-Mar-95	21-Apr-95	30.0	0
SUBMIT DRAFT ROD	21-Apr-95	28-Apr-95	7.0	0
AGENCY REVIEW	28-Apr-95	27-Jul-95	90.0	0
NAVY RECVS COMMENTS	27-Jul-95	3-Aug-95	7.0	0
ADDRESS COMMENTS	3-Aug-95	2-Oct-95	60.0	0
MAIL COMMENTS	2-Oct-95	9-Oct-95	7.0	0
PREPARE DRAFT/FINAL	2-Oct-95	1-Dec-95	60.0	0
SUBMIT DRAFT/FINAL	1-Dec-95	4-Dec-95	3.0	0
ROD FINALIZED	4-Dec-95	3-Jan-96	30.0	0
ROD SIGNATURE	4-Jan-96	5-Jan-96	1.0	0

TIME LINE Task Report

RI/FS OPERABLE UNIT #3: WATERFRONT SEDIMENT AREA, PSC SITE 2:
GROUP C

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 approximately 300 feet off-shore in 30 feet of water show only trace amounts of metals when analyzed by EP Toxicity. Fish kills were not uncommon in this area during 1940's, 1950's, and 1960's. Periodic dredging has occurred in this area to accommodate the aircraft carrier USS Lexington. Now, dredging is being done to widen and deepen the channel for the USS Kitty Hawk. The USS Kitty Hawk will replace the USS Lexington in the fall of 1991. Concern remains over the location of the sampling sites, methods and depth of sediment sampling. There is doubt that EP extraction is the most appropriate analytical method. In addition to our indepth study, the Marine and Estuarine Branch will provide comments before the site is removed from consideration for further study.

The following Screening Sites which will be investigated and reported on concurrently with this Operable Unit include: PSC Site 13: Magazine Point Rubble Disposal Area; and PSC Site 14: Dredge Spoil Fill Area. PSC Site 13 was used for the deposition of clean fill materials for an unknown period of time. Most of the materials disposed at this site consist of building rubble, bricks, metal, concrete, and wood. Materials were primarily disposed from the clay road east to the waterfront and in some places in the water close to the shore. It is unknown how many cubic yards of the material were disposed on site. PSC Site 14 was created by disposing dredge material from the Pensacola Bay along the shorefront east of Chevalier Field. This area of land was at one time the site of state-owned submerged lands and is presently not considered Navy property. Dredge material was disposed between 1975 and 1977 from dredging operations for the aircraft carrier turning basin. Contaminants that may be found in the dredge material are unknown. It is probable that whatever compounds were present in the marine sediments offshore of NAS Pensacola are still present in the dredge material.

These PSC sites were grouped together mainly due to geographic proximity of sites, similar contamination types, and similar potential investigation methods. The prioritization of these sites 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.

R _____ I _____ : W _____ ED _____ AREA _____ P _____ ITE 2 _____
GROUP C, continued:

1992 Primary Deliverables:

Due Date:

Draft/Final Phase II
Workplan (P)
(Agency Review Comments)
(Navy Receives Comments)
(Navy Addresses Comments)
Final Phase II Workplans (P)
Site Management Plan (Revised)

Navy transmits 30 Jun 92
Due within 90 days of Plan
delivery
Due 7 days after the 90
day review period
Due 60 days after
received comments
Navy transmits 6 Aug 92
Yearly update Sep 92

1992 Secondary Deliverables:

Target Date:

Quarterly Reports

Navy transmits on 10 Apr,
July, and Oct.

Project^{ed} Deliverables

Protected Date:

Draft RI Report (P)
Draft Baseline Risk Assessment (S)
Draft Feasibility Study (P)

Navy transmits 8 Aug 93
Navy transmits 5 Oct 93
Navy transmits 7 Jan 94

Note:

(P) designates a Primary Document according to page 21 of FFA
(S) designates a Secondary Document according to page 22 of FFA

SITE MANAGEMENT PLAN
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, FLORIDA

31 MARCH 1992
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RI/FS OPERABLE UNIT #3: WATERFRONT SEDIMENT AREA PSC SITE 2:
GROUP C

Task Name	Start Date	End Date	Duratn (Days)	Pct Achvd
WORK PLAN APPROVAL	23-Oct-90	23-Oct-90	0.0	100
RI/FS PHASE I	24-Oct-90	16-Nov-91	388.0	100
FIELD WORK, DATA RPT	24-Oct-90	27-May-91	215.0	100
SUBMIT DRAFT DATA RPT	26-May-91	2-Jun-91	7.0	100
AGENCY REVIEW	2-Jun-91	26-Sep-91	116.0	100
NAVY RECVS COMMENTS	12-Aug-91	26-Sep-91	45.0	100
ADDRESS COMMENTS	26-Sep-91	17-Oct-91	21.0	100
MAIL COMMENTS	17-Oct-91	24-Oct-91	7.0	100
PREPARE FINAL DATA REPO	12-Aug-91	17-Oct-91	66.0	100
SUBMIT FINAL DATA REPOR	17-Oct-91	24-Oct-91	7.0	100
DATA RPT FINALIZED	17-Oct-91	16-NOV-91	30.0	100
RI/FS PHASE II	30-Jul-91	18-Sep-94	1,146.0	0
RI REPORT	30-Jul-91	19-Apr-94	994.0	0
RESUBMIT DRFT WKPLAN	30-Jul-91	17-Oct-91	79.0	100
AGENCY REVIEW	17-Oct-91	23-Feb-92	129.0	100
NAVY RECVS COMMENTS	24-Feb-92	2-Mar-92	7.0	100
ADDRESS COMMENTS	2-Mar-92	1-May-92	60.0	0
MAIL COMMENTS	1-May-92	8-May-92	7.0	0
PREPARE DRAFT/FINAL	1-May-92	30-Jun-92	60.0	0
SUBMIT DRAFT/FIN	30-Jun-92	7-Jul-92	7.0	0
WK PLANS FINALIZED	7-Jul-92	6-Aug-92	30.0	0
FIELD WORK	6-Aug-92	2-Jun-93	300.0	0
PREPARE DFT RI RPT	2-Jun-93	1-Aug-93	60.0	0
SUBMIT DFT RI RPT	1-Aug-93	8-Aug-93	7.0	0
AGENCY REVIEW	8-Aug-93	6-Nov-93	90.0	0
NAVY RECVS COMMENTS	6-Nov-93	13-Nov-93	7.0	0
ADDRESS COMMENTS	13-Nov-93	12-Jan-94	60.0	0
MAIL COMMENTS	12-Jan-94	19-Jan-94	7.0	0
PREPARE DRFT/FIN	12-Jan-94	13-Mar-94	60.0	0
SUBMIT DRFT/FIN	13-Mar-94	20-Mar-94	7.0	0
RI REPORT FINAL	20-Mar-94	19-Apr-94	30.0	0
BASELINE RISK	2-Mar-93	16-Jun-94	471.0	0
PRBPARE DRFT BASELINE	2-Mar-93	28-Sep-93	210.0	0
SUBMIT DRAFT BASELINE	28-Sep-93	5-Oct-93	7.0	0
AGENCY REVIEW	5-Oct-93	3-Jan-94	90.0	0
NAVY RECVS COMMENTS	3-Jan-94	10-Jan-94	7.0	0
ADDRESS COMMENTS	10-Jan-94	11-Mar-94	60.0	0
MAIL COMMENTS	11-Mar-94	18-Mar-94	7.0	0
PREPARE DRFT/FIN	11-Mar-94	10-May-94	60.0	0
SUBMIT DRFT/FIN	10-May-94	17-May-94	7.0	0
BASELINE FINAL	17-May-94	16-Jun-94	30.0	0
FEASIBILITY STUDY	1-Nov-93	18-Sep-94	321.0	0
PREPARE DRAFT FS	1-Nov-93	31-Dec-93	60.0	0
SUBMIT DRAFT FS	31-Dec-93	7-Jan-94	7.0	0
AGENCY REVIEW	7-Jan-94	7-Apr-94	90.0	0

NAVY RECVS COMMENTS	7-Apr-94	14-Apr-94	7.0	0
ADDRESS COMMENTS	14-Apr-94	13-Jun-94	60.0	0
MAIL COMMENTS	13-Jun-94	20-Jun-94	7.0	0
PREPARE DRFT/FIN	13-Jun-94	12-Aug-94	60.0	0
SUBMIT DRFT/FIN	12-Aug-94	19-Aug-94	7.0	0
FS RPT FINALIZED	19-Aug-94	18-Sep-94	30.0	0
PROPOSED PLAN (PP)	12-Aug-94	27-Sep-95	411.0	0
PREPARE PP	12-Aug-94	11-Oct-94	60.0	0
SUBMIT DRAFT PP	11-Oct-94	18-Oct-94	7.0	0
AGENCY REVIEW	18-Oct-94	16-Jan-95	90.0	0
NAVY RECVS COMMENTS	16-Jan-95	23-Jan-95	7.0	0
ADDRESS COMMENTS	23-Jan-95	24-Mar-95	60.0	0
MAIL COMMENTS	24-Mar-95	31-Mar-95	7.0	0
PREPARE DRAFT/FINAL	24-Mar-95	23-May-95	60.0	0
SUBMIT DRAFT/FINAL	23-May-95	30-May-95	7.0	0
PP FINALIZED	30-May-95	29-Jun-95	30.0	0
PREPARE PUBLIC NOTICE	29-Jun-95	14-Jul-95	15.0	0
PUBLISH PUBLIC NOTICE	14-Jul-95	13-Aug-95	30.0	0
PUBLIC COMMENT PERIOD	13-Aug-95	27-Sep-95	45.0	0
PUBLIC MEETING	7-Aug-95	8-Aug-95	1.0	0
RESPONSIVENESS SUMMARY	28-Aug-95	27-Sep-95	30.0	0
RECORD OF DECISION	22-Mar-95	5-Jan-96	289.0	0
PREPARE DRAFT ROD	22-Mar-95	21-Apr-95	30.0	0
SUBMIT DRAFT ROD	21-Apr-95	28-Apr-95	7.0	0
AGENCY REVIEW	28-Apr-95	27-Jul-95	90.0	0
NAVY RECVS COMMENTS	27-Jul-95	3-Aug-95	7.0	0
ADDRESS COMMENTS	3-Aug-95	2-Oct-95	60.0	0
MAIL COMMENTS	2-Oct-95	9-Oct-95	7.0	0
PREPARE DRAFT/FINAL	2-Oct-95	1-Dec-95	60.0	0
SUBMIT DRAFT/FINAL	1-Dec-95	4-Dec-95	3.0	0
ROD FINALIZED	4-Dec-95	3-Jan-96	30.0	0
ROD SIGNATURE	4-Jan-96	5-Jan-96	1.0	0

TIME LINE Task Report

RI/FS OPERABLE WIT #4: PESTICIDE RINSATE DISPOSAL AREA, PSC SITE
15; GROUP D

DESCRIPTION:

The site 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. 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 are installed. Analysis of groundwater for pesticides and PCB indicate that arsenic is present in groundwater. Groundwater flow direction is presumed northerly towards the Bayou Grande. Indepth studies will be conducted to help define the contamination plume and definitive flow direction.

The following Screening Site which will be investigated and reported concurrently with this Operable Unit include: PSC Site 24: DDT Mixing Area; From the early 1950s until the early 1960s, this site 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 PSC sites were grouped together mainly due to geographic proximity of sites, similar contamination types, and similar potential investigation methods. The prioritization of these sites 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.

1992 Primary Deliverables:

Due Date:

Draft/Final Phase II Workplan (P)	Navy transmits 30 Jun 92
(Agency Review Comments)	Due within 90 days of Plan delivery
(Navy Receives Comments)	Due 7 days after the 90 day review period
(Navy Addresses Comments)	Due 60 days after received comments
Final Phase II Workplans (P)	Navy transmits 6 Aug 92
Site Management Plan (Revised)	Yearly update Sep 92

RI/FS OPERABLE UNIT #4: PESTICIDE RINSATE DISPOSAL AREA, PSC SITE
15; GROUP D. continued:

1992 Secondary Deliverables:

Quarterly Reports

Target Date:

US Navy transmits on 10 Apr,
July, and Oct.

Projected Deliverables

Projected Date:

Draft RI Report (P)

Navy transmits 8 Aug 93

Draft Baseline Risk Assessment (S)

Navy transmits 5 Oct 93

Draft Feasibility Study (P)

Navy transmits 7 Jan 94

Note:

(P) designates a Primary Document according to page 21 of FFA

(S) designates a Secondary Document according to page 22 of FFA

SITE MANAGEMENT PLAN
NAVAL AIR STATION PENSACOLA
PENSACOLA, FLORIDA

31 **MARCH** 1992
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RI/FS OPERABLE UNIT #4: PESTICIDE RINSATE DISPOSAL AREA, PSC SITE
15: GROUP D

Task Name	Start Date	End Date	Duratr (Days)	Pct Achvd
WORK PLAN APPROVAL	23-Oct-90	23-Oct-90	0.0	100
RI/FS PHASE I	24-Oct-90	16-Nov-91	388.0	100
FIELD WORK, DATA RPT	24-Oct-90	27-May-91	215.0	100
SUBMIT DRAFT DATA RPT	26-May-91	2-Jun-91	7.0	100
AGENCY REVIEW	2-Jun-91	26-Sep-91	116.0	100
NAVY RECVS COMMENTS	12-Aug-91	26-Sep-91	45.0	100
ADDRESS COMMENTS	26-Sep-91	17-Oct-91	21.0	100
MAIL COMMENTS	17-Oct-91	24-Oct-91	7.0	100
PREPARE FINAL DATA REPO	12-Aug-91	17-Oct-91	66.0	100
SUBMIT FINAL DATA REPOR	17-Oct-91	24-Oct-91	7.0	100
DATA RPT FINALIZED	17-Oct-91	16-NOV-91	30.0	100
RI/FS PHASE II	30-Jul-91	18-Sep-94	1,146.0	0
RI REPORT	30-Jul-91	19-Apr-94	994.0	0
RESUBMIT DRFT WKPLAN	30-Jul-91	17-Oct-91	79.0	100
AGENCY REVIEW	17-Oct-91	23-Feb-92	129.0	100
NAVY RECVS COMMENTS	24-Feb-92	2-Mar-92	7.0	100
ADDRESS COMMENTS	2-Mar-92	1-May-92	60.0	0
MAIL COMMENTS	1-May-92	8-May-92	7.0	0
PREPARE DRAFT/FINAL	1-May-92	30-Jun-92	60.0	0
SUBMIT DRAFT/FIN	30-Jun-92	7-Jul-92	7.0	0
WK PLANS FINALIZED	7-Jul-92	6-Aug-92	30.0	0
FIELD WORK	6-Aug-92	2-Jun-93	300.0	0
PREPARE DFT RI RPT	2-Jun-93	1-Aug-93	60.0	0
SUBMIT DFT RI RPT	1-Aug-93	8-Aug-93	7.0	0
AGENCY REVIEW	8-Aug-93	6-Nov-93	90.0	0
NAVY RECVS COMMENTS	6-Nov-93	13-NOV-93	7.0	0
ADDRESS COMMENTS	13-NOV-93	12-Jan-94	60.0	0
MAIL COMMENTS	12-Jan-94	19-Jan-94	7.0	0
PREPARE DRFT/FIN	12-Jan-94	13-Mar-94	60.0	0
SUBMIT DRFT/FIN	13-Mar-94	20-Mar-94	7.0	0
RI REPORT FINAL	20-Mar-94	19-Apr-94	30.0	0
BASELINE RISK	2-Mar-93	16-Jun-94	471.0	0
PREPARE DRFT BASELINE	2-Mar-93	28-Sep-93	210.0	0
SUBMIT DRAFT BASELINE	28-Sep-93	5-Oct-93	7.0	0
AGENCY REVIEW	5-Oct-93	3-Jan-94	90.0	0
NAVY RECVS COMMENTS	3-Jan-94	10-Jan-94	7.0	0
ADDRESS COMMENTS	10-Jan-94	11-Mar-94	60.0	0
MAIL COMMENTS	11-Mar-94	18-Mar-94	7.0	0
PREPARE DRFT/FIN	11-Mar-94	10-May-94	60.0	0
SUBMIT DRFT/FIN	10-May-94	17-May-94	7.0	0
BASELINE FINAL	17-May-94	16-Jun-94	30.0	0
FEASIBILITY STUDY	1-NOV-93	18-Sep-94	321.0	0
PRBPARE DRAFT FS	1-Nov-93	31-Dec-93	60.0	0
SUBMIT DRAFT FS	31-Dec-93	7-Jan-94	7.0	0
AGENCY REVIEW	7-Jan-94	7-Apr-94	90.0	0

NAVY RECVS COMMENTS	7-Apr-94	14-Apr-94	7.0	0
ADDRESS COMMENTS	14-Apr-94	13-Jun-94	60.0	0
MAIL COMMENTS	13-Jun-94	20-Jun-94	7.0	0
PREPARE DRFT/FIN	13-Jun-94	12-Aug-94	60.0	0
SUBMIT DRFT/FIN	12-Aug-94	19-Aug-94	7.0	0
FS RPT FINALIZED	19-Aug-94	18-Sep-94	30.0	0
PROPOSED PLAN (PP)	12-Aug-94	27-Sep-95	411.0	0
PREPARE PP	12-Aug-94	11-Oct-94	60.0	0
SUBMIT DRAFT PP	11-Oct-94	18-Oct-94	7.0	0
AGENCY REVIEW	18-Oct-94	16-Jan-95	90.0	0
NAVY RECVS COMMENTS	16-Jan-95	23-Jan-95	7.0	0
ADDRESS COMMENTS	23-Jan-95	24-Mar-95	60.0	0
MAIL COMMENTS	24-Mar-95	31-Mar-95	7.0	0
PREPARE DRAFT/FINAL	24-Mar-95	23-May-95	60.0	0
SUBMIT DRAFT/FINAL	23-May-95	30-May-95	7.0	0
PP FINALIZED	30-May-95	29-Jun-95	30.0	0
PREPARE PUBLIC NOTICE	29-Jun-95	14-Jul-95	15.0	0
PUBLISH PUBLIC NOTICE	14-Jul-95	13-Aug-95	30.0	0
* PUBLIC COMMENT PERIOD	13-Aug-95	27-Sep-95	45.0	0
PUBLIC MEETING	7-Aug-95	8-Aug-95	1.0	0
RESPONSIVENESS SUMMARY	28-Aug-95	27-Sep-95	30.0	0
RECORD OF DECISION	22-Mar-95	5-Jan-96	289.0	0
PREPARE DRAFT ROD	22-Mar-95	21-Apr-95	30.0	0
SUBMIT DRAFT ROD	21-Apr-95	28-Apr-95	7.0	0
AGENCY REVIEW	28-Apr-95	27-Jul-95	90.0	0
NAVY RECVS COMMENTS	27-Jul-95	3-Aug-95	7.0	0
ADDRESS COMMENTS	3-Aug-95	2-Oct-95	60.0	0
MAIL COMMENTS	2-Oct-95	9-Oct-95	7.0	0
PREPARE DRAFT/FINAL	2-Oct-95	1-Dec-95	60.0	0
SUBMIT DRAFT/FINAL	1-Dec-95	4-Dec-95	3.0	0
ROD FINALIZED	4-Dec-95	3-Jan-96	30.0	0
ROD SIGNATURE	4-Jan-96	5-Jan-96	1.0	0

TIME LINE Task Report

RI/FS OPERABLE UNIT #5: BUILDING 649 AND 755, PSC SITE 30: GROUP E:

DESCRIPTION:

Building 649 housed a tin/cadmium plating shop with fifteen (15) tanks of 200 and 500 gallon capacity each. These tanks, along with a 250 gallon tank of trichlorethylene, were emptied monthly or quarterly into a ditch leading to a creek discharging into the 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 over a ten year period as a plating facility for nickel, lead, tin, chromium and miscellaneous metals. These tanks, ranging in size from 50 gallons to 200 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. The waste constituents most probably did not enter the groundwater from the ditch, but were probably washed downstream into the Bayou Grande.

These PSC sites were grouped together mainly due to geographic proximity of sites, similar contamination types, and similar potential investigation methods. The prioritization of these sites 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.

1992 Primary Deliverables:

Due Date:

Draft/Final Phase II Workplan (P) (Agency Review Comments) (Navy Receives Comments) (Navy Addresses Comments)	Navy transmits 30 Jun 92 Due within 90 days of Plan delivery Due 7 days after the 90 day review period Due 60 days after received comments
Final Phase II Workplans (P)	Navy transmits 6 Aug 92
Site Management Plan (Revised)	Yearly update Sep 92

1992 Secondary Deliverables:

Target Date:

Quarterly Reports	Navy transmits on Apr, Jul, Oct
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SITE MANAGEMENT PLAN
NAVAL AIR STATION PENSACOLA
PENSACOLA, FLORIDA

31 MARCH 1992
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RI/FS OPERABLE UNIT #5 - BUILDING 649 AND 755. PSC SITE 30: GROUP E
continued:

Projected Deliverables

Projected Date:

Draft RI Report (P)	Navy transmits	8 Aug 93
Draft Baseline Risk Assessment (S)	Navy transmits	5 Oct 93
Draft Feasibility Study (P)	Navy transmits	7 Jan 94

Note:

(P) designates a Primary Document according to page 21 of FFA
(S) designates a Secondary Document according to page 22 of FFA

SITE MANAGEMENT PLAN
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, FLORIDA

31 MARCH 1992
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RI/FS OPERABLE UNIT #5: BUILDING 649 AND 755, PSC SITE 30; GROUP E:

Task Name	Start Date	End Date	Duratn (Days)	Pct Achvd
WORK PLAN APPROVAL	23-Oct-90	23-Oct-90	0.0	100
RI/FS PHASE I	24-Oct-90	16-Nov-91	388.0	100
FIELD WORK, DATA RPT	24-Oct-90	27-May-91	215.0	100
SUBMIT DRAFT DATA RPT	26-May-91	2-Jun-91	7.0	100
AGENCY REVIEW	2-Jun-91	26-Sep-91	116.0	100
NAVY RECVS COMMENTS	12-Aug-91	26-Sep-91	45.0	100
ADDRESS COMMENTS	26-Sep-91	17-Oct-91	21.0	100
MAIL COMMENTS	17-Oct-91	24-Oct-91	7.0	100
PREPARE FINAL DATA REPO	12-Aug-91	17-Oct-91	66.0	100
SUBMIT FINAL DATA REPOR	17-Oct-91	24-Oct-91	7.0	100
DATA RPT FINALIZED	17-Oct-91	16-Nov-91	30.0	100
RI/FS PHASE II	30-Jul-91	18-Sep-94	1,146.0	0
RI REPORT	30-Jul-91	19-Apr-94	994.0	0
RESUBMIT DRFT WKPLAN	30-Jul-91	17-Oct-91	79.0	100
AGENCY REVIEW	17-Oct-91	23-Feb-92	129.0	100
NAVY RECVS COMMENTS	24-Feb-92	2-Mar-92	7.0	100
ADDRESS COMMENTS	2-Mar-92	1-May-92	60.0	0
MAIL COMMENTS	1-May-92	8-May-92	7.0	0
PREPARE DRAFT/FINAL	1-May-92	30-Jun-92	60.0	0
SUBMIT DRAFT/FIN	30-Jun-92	7-Jul-92	7.0	0
WK PLANS FINALIZED	7-Jul-92	6-Aug-92	30.0	0
FIELD WORK	6-Aug-92	2-Jun-93	300.0	0
PREPARE DFT RI RPT	2-Jun-93	1-Aug-93	60.0	0
SUBMIT DFT RI RPT	1-Aug-93	8-Aug-93	7.0	0
AGENCY REVIEW	8-Aug-93	6-Nov-93	90.0	0
NAVY RECVS COMMENTS	6-Nov-93	13-NOV-93	7.0	0
ADDRESS COMMENTS	13-Nov-93	12-Jan-94	60.0	0
MAIL COMMENTS	12-Jan-94	19-Jan-94	7.0	0
PREPARE DRFT/FIN	12-Jan-94	13-Mar-94	60.0	0
SUBMIT DRFT/FIN	13-Mar-94	20-Mar-94	7.0	0
RI REPORT FINAL	20-Mar-94	19-Apr-94	30.0	0
BASELINE RISK	2-Mar-93	16-Jun-94	471.0	0
PREPARE DRFT BASELINE	2-Mar-93	28-Sep-93	210.0	0
SUBMIT DRAFT BASELINE	28-Sep-93	5-Oct-93	7.0	0
AGENCY REVIEW	5-Oct-93	3-Jan-94	90.0	0
NAVY RECVS COMMENTS	3-Jan-94	10-Jan-94	7.0	0
ADDRESS COMMENTS	10-Jan-94	11-Mar-94	60.0	0
MAIL COMMENTS	11-Mar-94	18-Mar-94	7.0	0
PREPARE DRFT/FIN	11-Mar-94	10-May-94	60.0	0
SUBMIT DRFT/FIN	10-May-94	17-May-94	7.0	0
BASELINE FINAL	17-May-94	16-Jun-94	30.0	0
FEASIBILITY STUDY	1-Nov-93	18-Sep-94	321.0	0
PREPARE DRAFT FS	1-Nov-93	31-Dec-93	60.0	0
SUBMIT DRAFT FS	31-Dec-93	7-Jan-94	7.0	0
AGENCY REVIEW	7-Jan-94	7-Apr-94	90.0	0

NAVY RECVS COMMENTS	7-Apr-94	14-r-94	7.0	0
ADDRESS COMMENTS	14-Apr-94	13-Jun-94	60.0	0
MAIL COMMENTS	13-Jun-94	20-Jun-94	7.0	0
PREPARE DRFT/FIN	13-Jun-94	12-Aug-94	60.0	0
SUBMIT DRFT/FIN	12-Aug-94	19-Aug-94	7.0	0
FS RPT FINALIZED	19-Aug-94	18-Sep-94	30.0	0
PROPOSED PLAN (PP)	12-Aug-94	27-Sep-95	411.0	0
PREPARE PP	12-Aug-94	11-Oct-94	60.0	0
SUBMIT DRAFT PP	11-Oct-94	18-Oct-94	7.0	0
AGENCY REVIEW	18-Oct-94	16-Jan-95	90.0	0
NAVY RECVS COMMENTS	16-Jan-95	23-Jan-95	7.0	0
ADDRESS COMMENTS	23-Jan-95	24-Mar-95	60.0	0
MAIL COMMENTS	24-Mar-95	31-Mar-95	7.0	0
PREPARE DRAFT/FINAL	24-Mar-95	23-May-95	60.0	0
SUBMIT DRAFT/FINAL	23-May-95	30-May-95	7.0	0
PP FINALIZED	30-May-95	29-Jun-95	30.0	0
PREPARE PUBLIC NOTICE	29-Jun-95	14-Jul-95	15.0	0
PUBLISH PUBLIC NOTICE	14-Jul-95	13-Aug-95	30.0	0
PUBLIC COMMENT PERIOD	13-Aug-95	27-Sep-95	45.0	0
PUBLIC MEETING	7-Aug-95	8-Aug-95	1.0	0
RESPONSIVENESS SUMMARY	28-Aug-95	27-Sep-95	30.0	0
RECORD OF DECISION	22-Mar-95	5-Jan-96	289.0	0
PREPARE DRAFT ROD	22-Mar-95	21-Apr-95	30.0	0
SUBMIT DRAFT ROD	21-Apr-95	28-Apr-95	7.0	0
AGENCY REVIEW	28-Apr-95	27-Jul-95	90.0	0
NAVY RECVS COMMENTS	27-Jul-95	3-Aug-95	7.0	0
ADDRESS COMMENTS	3-Aug-95	2-Oct-95	60.0	0
MAIL COMMENTS	2-Oct-95	9-Oct-95	7.0	0
PREPARE DRAFT/FINAL	2-Oct-95	1-Dec-95	60.0	0
SUBMIT DRAFT/FINAL	1-Dec-95	4-Dec-95	3.0	0
ROD FINALIZED	4-Dec-95	3-Jan-96	30.0	0
ROD SIGNATURE	4-Jan-96	5-Jan-96	1.0	0

TIME LINE Task Report

RI/FS OPERABLE UNIT #6: SOIL SOUTH OF BUILDING 3460, PSC SITE 29:
AND NAVY YARD DISPOSAL AREA, PSC SITE 9: GROUP F :

DESCRIPTION:

PSC Site 29: Soil South of Building 3460. In 1981, workers excavating soil beneath the concrete apron south of Building 3460 received skin burns from a "black slimy liquid" in the soil. Types of chemicals involved and extent of contamination are unknown. A leak in the nearby pressurized industrial sewer line from the Naval Aviation Depot (NADEP) facility is the expected source. This site is part of the group including sites 9, 23, and 24 studied together. There were no analyses of groundwater for non-halogenated hydrocarbons volatiles, extractables, exotics or parameters other than method 601 VOCs. There is concern over placement of the monitoring wells.

PSC Site 9: Navy Yard Disposal Area. This site was used for the disposal of trash and refuse during the period between 1917 and the early 1930's. It is reported that the site is shown on several old maps as the Navy Yard *Dump* or the Warrington Village Dump (NEESA 1983). In the late 1960's, while trenching for the Industrial Wastewater Treatment Plant (IWTP) system, part of site 9 was excavated. Glass, scrap metal, and debris were unearthed. No unusual odor was reported associated with the site. The IAS report concluded that no further study was necessary and the site did not constitute a threat to human health or the environment. During the VS of this site, monitoring wells were installed at the southwest corner of Chevalier Field for the determination of shallow groundwater flow and the collection of groundwater samples to further delineate the contamination problem in the general area of sites 9, 10, 23, and 29. Groundwater samples were analyzed for VOCs; however, no VOCs were detected in any samples obtained.

The following Screening Site which will be investigated and reported on concurrently with this Operable Unit include; PSC Site 10: Commodore's Pond; PSC Site 23: Chevalier Field Pipe Leak Area; PSC site 34: Solvent North of Building 3557. PSC site 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 is no longer in existence; therefore, its exact dimensions are unknown. Site debris was unearthed in the late 1960's during trenching operations for installations of the IWTP system. Abandoned oak timbers were exhumed and reburied on Magazine Point. It is reported that no hazardous materials were encountered during this effort.

RI/FS OPERABLE W IT #6: SOIL SOUTH OF BUILDING 3460. PSC SITE 29;
AND NAVY YARD DISPOSAL AREA, PSC SITE 9; GROUP F continued:

DESCRIPTION continued:

PSC Site 23 is the location of two separate underground fuel leaks. One leak in 1965 consisted of the loss of an unknown quantity of Navy Special Fuel Oil (NSFO). It is reported that the fuel was pumped from the groundwater table and contaminated soil was removed. In 1970, another leak, of unknown quantities, was discovered in the same area in a pipeline carrying Diesel Fuel Marine (DFM). A layer of fuel is suspected to be present on the water table surface, and soil in the area is suspected to be contaminated with soil.

PSC Site 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 approximately 45,000 gallons of a solvent detergent used for cleaning aircraft. The solution contained 1.7 percent chlorinated aromatic hydrocarbons solvent, or approximately 750 gallons of 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 PSC sites were grouped together mainly due to the following: geographic proximity of sites, and the potential for off-site migration and its impact on the other site. The prioritization of these sites 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 OPERABLE UNIT #6: SOIL SOUTH OF BUILDING 3460. PSC SITE 29:
AND NAVY YARD DISPOSAL AREA. PSC SITE 9: GROUP F, continued:

1992 Primary Deliverables:

Draft Phase II Workplan
(Agency Review Comments)

(Navy Receives Comments)

(Navy Addresses Comments)

Draft/Final Phase II
Workplan (P).

Site Management Plan (Revised)

Due Date:

Navy transmits 17 Apr 92
Due within 90 days of Plan
delivery

Due 7 days after the 90
day review period

Due 60 days after
received comments

Navy transmits 27 Nov 92

Yearly update Sept 92

1992 Secondary Deliverables:

Draft Phase I Data
Report (S)

(Agency Review Comments)

(Navy Addresses Comments)

Draft/Final Phase I
Data Report (S)

Final Phase I
Data Report (S)

Quarterly Reports

Target Date:

Navy transmits 17 Apr 92

Due within 90 days of report
delivery

Due 60 days after
received comments

Navy transmits 27 Nov 92

Navy transmits 27 Dec 92

Navy transmits on 10 Apr,
July, and Oct.

Projected Deliverables

Draft RI Report (P)

Draft Baseline Risk Assessment (S)

Draft Feasibility Study (P)

Projected Date:

Navy transmits 29 Dec 93

Navy transmits 29 Dec 93

Navy transmits 28 Feb 94

Note :

(P) designates a Primary Document according to page 21 of FFA

(S) designates a Secondary Document according to page 22 of FFA

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

31 MARCH 1992
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~~RI/FS OPERABLE UNIT #6: SOIL SOUTH OF BUILDING 3460, PSC SITE 29:
AND NAVY YARD DISPOSAL AREA, PSC SITE 9: GROUP F:~~

Task Name	Start Date	End Date	Duratn (Days)	Pct Achvd
WORK PLAN APPROVAL	23-Oct-90	23-Oct-90	0.0	0
RI/FS PHASE I	15-Jun-91	27-Dec-92	561.0	0
FIELD WORK, DATA RPT	15-Jun-91	10-Apr-92	300.0	0
SUBMIT DRAFT DATA RPT	10-Apr-92	17-Apr-92	7.0	0
AGENCY REVIEW	17-Apr-92	16-Jul-92	90.0	0
NAVY RECVS COMMENTS	16-Jul-92	23-Jul-92	7.0	0
ADDRESS COMMENTS	23-Jul-92	21-Sep-92	60.0	0
MAIL COMMENTS	21-Sep-92	28-Sep-92	7.0	0
PREPARE DRAFT/FINAL	21-Sep-92	20-Nov-92	60.0	0
SUBMIT DRAFT/FINAL	20-Nov-92	27-Nov-92	7.0	0
DATA RPT FINALIZED	27-Nov-92	27-Dec-92	30.0	0
RI/FS PHASE II	10-Apr-92	9-Nov-94	943.0	0
RI REPORT	10-Apr-92	9-Sep-94	882.0	0
SUBMIT DRAFT WK PLAN	10-Apr-92	17-Apr-92	7.0	0
AGENCY REVIEW	17-Apr-92	16-Jul-92	90.0	0
NAVY RECVS COMMENTS	16-Jul-92	23-Jul-92	7.0	0
ADDRESS COMMENTS	23-Jul-92	21-Sep-92	60.0	0
MAIL COMMENTS	21-Sep-92	28-Sep-92	7.0	0
PREPARE DRAFT/FINAL	21-Sep-92	20-NOV-92	60.0	0
SUBMIT DRAFT/FINAL	20-NOV-92	27-Nov-92	7.0	0
WK PLANS FINALIZED	27-Nov-92	27-Dec-92	30.0	0
FIELD WORK	27-Dec-92	23-Oct-93	300.0	0
PREPARE DRFT RI RPT	23-Oct-93	22-Dec-93	60.0	0
SUBMIT DRAFT RI RPT	22-Dec-93	29-Dec-93	7.0	0
AGENCY REVIEW	29-Dec-93	29-Mar-94	90.0	0
NAVY RECVS COMMENTS	29-Mar-94	5-Apr-94	7.0	0
ADDRESS COMMENTS	5-Apr-94	4-Jun-94	60.0	0
MAIL COMMENTS	4-Jun-94	11-Jun-94	7.0	0
PREPARE DRAFT/FINAL	4-Jun-94	3-Aug-94	60.0	0
SUBMIT DRAFT/FINAL	3-Aug-94	10-Aug-94	7.0	0
RI REPORT FINALIZED	10-Aug-94	9-Sep-94	30.0	0
BASELINE RISK	27-Dec-92	9-Sep-94	621.0	0
PREPARE DRFT BASELINE	27-Dec-92	22-Dec-93	360.0	0
SUBMIT DRAFT BASELINE	22-Dec-93	29-Dec-93	7.0	0
AGENCY REVIEW	29-Dec-93	29-Mar-94	90.0	0
NAVY RECVS COMMENTS	29-Mar-94	5-Apr-94	7.0	0
ADDRESS COMMENTS	5-Apr-94	4-Jun-94	60.0	0
MAIL COMMENTS	4-Jun-94	11-Jun-94	7.0	0
PREPARE DRAFT/FINAL	4-Jun-94	3-Aug-94	60.0	0
SUBMIT DRAFT/FINAL	3-Aug-94	10-Aug-94	7.0	0
BASELINE FINALIZED	10-Aug-94	9-Sep-94	30.0	0
FEASIBILITY STUDY	23-Dec-93	9-Nov-94	321.0	0
PREPARE DRAFT FS	23-Dec-93	21-Feb-94	60.0	0
SUBMIT DRAFT FS	21-Feb-94	28-Feb-94	7.0	0
AGENCY REVIEW	28-Feb-94	29-May-94	90.0	0

NAVY RECVS COM JTS	29-May-94	5 un-94	7.0	0
ADDRESS COMMENTS	5-Jun-94	4-Aug-94	60.0	0
MAIL COMMENTS	4-Aug-94	11-Aug-94	7.0	0
PREPARE DRFT/FINAL	4-Aug-94	3-Oct-94	60.0	0
SUBMIT DRAFT/FINAL	3-Oct-94	10-Oct-94	7.0	0
FS RPT FINALIZED	10-Oct-94	9-Nov-94	30.0	0
PROPOSED PLAN (PP)	3-Oct-94	18-Dec-95	441.0	0
PREPARE PP	3-Oct-94	2-Dec-94	60.0	0
SUBMIT DRAFT PP	2-Dec-94	9-Dec-94	7.0	0
AGENCY REVIEW	9-Dec-94	9-Mar-95	90.0	0
NAW RECVS COMMENTS	9-Mar-95	16-Mar-95	7.0	0
ADDRESS COMMENTS	16-Mar-95	15-May-95	60.0	0
MAIL COMMENTS	15-May-95	22-May-95	7.0	0
PREPARE DRAFT/FINAL	15-May-95	14-Jul-95	60.0	0
SUBMIT DRAFT/FINAL	14-Jul-95	21-Jul-95	7.0	0
PP FINALIZED	21-Jul-95	20-Aug-95	30.0	0
PREPARE PUBLIC NOTICE	20-Aug-95	4-Sep-95	15.0	0
PUBLISH PUBLIC NOTICE	4-Sep-95	4-Oct-95	30.0	0
PUBLIC COMMENT PERIOD	4-Oct-95	18-Nov-95	45.0	0
PUBLIC MEETING	18-Oct-95	19-Oct-95	1.0	0
RESPONSIVENESS SUMMARY	18-Nov-95	18-Dec-95	30.0	0
RECORD OF DECISION	19-Oct-95	2-Aug-96	288.0	0
PREPARE DRAFT ROD	19-Oct-95	18-Nov-95	30.0	0
SUBMIT DRAFT ROD	18-Nov-95	25-Nov-95	7.0	0
AGENCY REVIEW	25-Nov-95	23-Feb-96	90.0	0
NAVY RECVS COMMENTS	23-Feb-96	1-Mar-96	7.0	0
ADDRESS COMMENTS	1-Mar-96	30-Apr-96	60.0	0
MAIL COMMENTS	30-Apr-96	7-May-96	7.0	0
PREPARE DRAFT/FINAL	30-Apr-96	29-Jun-96	60.0	0
SUBMIT DRAFT/FINAL	29-Jun-96	2-Jul-96	3.0	0
ROD FINALIZED	2-Jul-96	1-Aug-96	30.0	0
ROD SIGNATURE	1-Aug-96	2-Aug-96	1.0	0

TIME LINE Task Report

RI/FS OPERABLE UNIT #7: RADIUM DIAL SHOP SEWER, PSC SITE 27:___
GROUP G:

DESCRIPTION:

From 1940's to 1976, Building 709 was used to rework instrument dials that were painted with radium containing paint. Spent cleaning solutions and luminous paint were routinely poured into the sanitary sewer at a rate of around 1500 gallons per year. In 1976, the building was dismantled and the drain pipe found to be radioactive at a rate 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. The sewer discharge location is not reported. Reportedly, this site is hydraulically downgradient of site 31. At site 31, large quantities of paints, thinners, and solvents were routinely disposed of to the ground.

Sites 25 and 31 have been grouped with site 27 to investigate the extent of contamination. One (1) shallow well and one (1) deep monitoring well was installed near the drain of site 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, north-northeast and toward the drainage ditch. Several analyses for chlorinated VOCs from the installed monitoring wells indicated traces of solvents are present in the groundwater.

The following Screening Site which will be investigated and reported on concurrently with this Operable Unit include: PSC Site 25: Radium Spill Area. At Site 25, the radium removal operations at NAS Pensacola involve 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 repainting, were permanently moved to building 780. At the present, aircraft instruments containing radium are disassembled in building 780.

It is estimated that 5,000 to 7,000 instruments a year were processed in building 780. Dials were stripped using a thick paint thinner, then soaked in a lye and nitric acid solution. Contaminated instruments cases were processed by soaking in a "turco" acid solution. The components were cleaned with a wire brush to remove all residue.

Approximately one drum of solid waste and two drums of liquid waste mixed with vermiculite were generated each year from the operations conducted in building 780.

RI/FS OPERABLE UNIT #7: RADIUM DIAL SHOP SEWER, PSC SITE 27:
GROUP G, continued:

DESCRIPTION: CONTINUED:

These PSC sites were grouped together mainly due to the following geographic proximity of sites, and the potential for off-site migration and its impact on the other site. The prioritization of these sites 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.

1992 Primary Deliverables:

Due Date:

Draft Phase II Workplan (P)
(Agency Review Comments)

Navy transmits 17 Apr 92
Due within 90 days of Plan
delivery

(Navy Receives Comments)

Due 7 days after the 90
day review period

(Navy Addresses Comments)

Due 60 days after
received comments

Draft/Final Phase II
Workplan (P)

Navy transmits 27 Nov 92

Site Management Plan (Revised)

Yearly update Sep 92

1992 Secondary Deliverables:

Target Date:

Draft Phase I Data
Report (S)
(Agency Review Comments)

Navy transmits 17 Apr 92

(Navy Addresses Comments)

Due within 90 days of report
delivery

Due 60 days after
received comments

Draft/Final Phase I
Data Report (S)

Navy transmits 27 Nov 92

Final Phase I
Data Report (S)

Navy transmits 27 Dec 92

Quarterly Reports

Navy transmits on 10 Apr,
July, and Oct.

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

**31 MARCH 1992
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**RI/FS OPERABLE UNIT #7: RADIUM DIAL SHOP SEWER, PSC SITE 27;
GROUP G, continued:**

Protected Deliverables

Projected Date:

Draft RI Report (P)	Navy transmits 29 Dec 93
Draft Baseline Risk Assessment (S)	Navy transmits 29 Dec 93
Draft Feasibility Study (P)	Navy transmits 28 Feb 94

Note:

(P) designates a Primary Document according to page 21 of FFA
(S) designates a Secondary Document according to page 22 of FFA

RI/FS OPERABLE UNIT #7: RADIUM DIAL SHOP SEWER, PSC SITE 27;
GROUP G.:

Task Name	Start Date	End Date	Duratn (Days)	Pct Achvd
WORK PLAN APPROVAL	23-Oct-90	23-Oct-90	0.0	0
RI/FS PHASE I	15-Jun-91	27-Dec-92	561.0	0
FIELD WORK, DATA RPT	15-Jun-91	10-Apr-92	300.0	0
SUBMIT DRAFT DATA RPT	10-Apr-92	17-Apr-92	7.0	0
AGENCY REVIEW	17-Apr-92	16-Jul-92	90.0	0
NAVY RECVS COMMENTS	16-Jul-92	23-Jul-92	7.0	0
ADDRESS COMMENTS	23-Jul-92	21-Sep-92	60.0	0
MAIL COMMENTS	21-Sep-92	28-Sep-92	7.0	0
PREPARE DRAFT/FINAL	21-Sep-92	20-NOV-92	60.0	0
SUBMIT DRAFT/FINAL	20-Nov-92	27-Nov-92	7.0	0
DATA RPT FINALIZED	27-Nov-92	27-Dec-92	30.0	0
RI/FS PHASE II	10-Apr-92	9-Nov-94	943.0	0
RI REPORT	10-Apr-92	9-Sep-94	882.0	0
SUBMIT DRAFT WK PLAN	10-Apr-92	17-Apr-92	7.0	0
AGENCY REVIEW	17-Apr-92	16-Jul-92	90.0	0
NAVY RECVS COMMENTS	16-Jul-92	23-Jul-92	7.0	0
ADDRESS COMMENTS	23-Jul-92	21-Sep-92	60.0	0
MAIL COMMENTS	21-Sep-92	28-Sep-92	7.0	0
PREPARE DRAFT/FINAL	21-Sep-92	20-Nov-92	60.0	0
SUBMIT DRAFT/FINAL	20-Nov-92	27-Nov-92	7.0	0
WK PLANS FINALIZED	27-Nov-92	27-Dec-92	30.0	0
FIELD WORK	27-Dec-92	23-Oct-93	300.0	0
PREPARE DRFT RI RPT	23-Oct-93	22-Dec-93	60.0	0
SUBMIT DRAFT RI RPT	22-Dec-93	29-Dec-93	7.0	0
AGENCY REVIEW	29-Dec-93	29-Mar-94	90.0	0
NAVY RECVS COMMENTS	29-Mar-94	5-Apr-94	7.0	0
ADDRESS COMMENTS	5-Apr-94	4-Jun-94	60.0	0
MAIL COMMENTS	4-Jun-94	11-Jun-94	7.0	0
PREPARE DRAFT/FINAL	4-Jun-94	3-Aug-94	60.0	0
SUBMIT DRAFT/FINAL	3-Aug-94	10-Aug-94	7.0	0
RI REPORT FINALIZED	10-Aug-94	9-Sep-94	30.0	0
BASELINE RISK	27-Dec-92	9-Sep-94	621.0	0
PREPARE DRFT BASELINE	27-Dec-92	22-Dec-93	360.0	0
SUBMIT DRAFT BASELINE	22-Dec-93	29-Dec-93	7.0	0
AGENCY REVIEW	29-Dec-93	29-Mar-94	90.0	0
NAVY RECVS COMMENTS	29-Mar-94	5-Apr-94	7.0	0
ADDRESS COMMENTS	5-Apr-94	4-Jun-94	60.0	0
MAIL COMMENTS	4-Jun-94	11-Jun-94	7.0	0
PREPARE DRAFT/FINAL	4-Jun-94	3-Aug-94	60.0	0
SUBMIT DRAFT/FINAL	3-Aug-94	10-Aug-94	7.0	0
BASELINE FINALIZED	10-Aug-94	9-Sep-94	30.0	0
FEASIBILITY STUDY	23-Dec-93	9-NOV-94	321.0	0
PREPARE DRAFT FS	23-Dec-93	21-Feb-94	60.0	0
SUBMIT DRAFT FS	21-Feb-94	28-Feb-94	7.0	0
AGENCY REVIEW	28-Feb-94	29-May-94	90.0	0

NAVY RECVS COMMENTS	29-May-94	5-Jun-94	7.0	0
ADDRESS COMMENTS	5-Jun-94	4-Aug-94	60.0	0
MAIL COMMENTS	4-Aug-94	11-Aug-94	7.0	0
PREPARE DRFT/FINAL	4-Aug-94	3-Oct-94	60.0	0
SUBMIT DRAFT/FINAL	3-Oct-94	10-Oct-94	7.0	0
FS RPT FINALIZED	10-Oct-94	9-NOV-94	30.0	0
PROPOSED PLAN (PP)	3-Oct-94	18-Dec-95	441.0	0
PREPARE PP	3-Oct-94	2-Dec-94	60.0	0
SUBMIT DRAFT PP	2-Dec-94	9-Dec-94	7.0	0
AGENCY REVIEW	9-Dec-94	9-Mar-95	90.0	0
NAVY RECVS COMMENTS	9-Mar-95	16-Mar-95	7.0	0
ADDRESS COMMENTS	16-Mar-95	15-May-95	60.0	0
MAIL COMMENTS	15-May-95	22-May-95	7.0	0
PREPARE DRAFT/FINAL	15-May-95	14-Jul-95	60.0	0
SUBMIT DRAFT/FINAL	14-Jul-95	21-Jul-95	7.0	0
PP FINALIZED	21-Jul-95	20-Aug-95	30.0	0
PREPARE PUBLIC NOTICE	20-Aug-95	4-Sep-95	15.0	0
PUBLISH PUBLIC NOTICE	4-Sep-95	4-Oct-95	30.0	0
PUBLIC COMMENT PERIOD	4-Oct-95	18-Nov-95	45.0	0
PUBLIC MEETING	18-Oct-95	19-Oct-95	1.0	0
RESPONSIVENESS SUMMARY	18-Nov-95	18-Dec-95	30.0	0
RECORD OF DECISION	19-Oct-95	2-Aug-96	288.0	0
PREPARE DRAFT ROD	19-Oct-95	18-Nov-95	30.0	0
SUBMIT DRAFT ROD	18-NOV-95	25-Nov-95	7.0	0
AGENCY REVIEW	25-Nov-95	23-Feb-96	90.0	0
NAVY RECVS COMMENTS	23-Feb-96	1-Mar-96	7.0	0
ADDRESS COMMENTS	1-Mar-96	30-Apr-96	60.0	0
MAIL COMMENTS	30-Apr-96	7-May-96	7.0	0
PREPARE DRAFT/FINAL	30-Apr-96	29-Jun-96	60.0	0
SUBMIT DRAFT/FINAL	29-Jun-96	2-Jul-96	3.0	0
ROD FINALIZED	2-Jul-96	1-Aug-96	30.0	0
ROD SIGNATURE	1-Aug-96	2-Aug-96	1.0	0

TIME LINE Task Report

RI/ES OPERABLE UNIT #8: CRASH CREW TRAINING AREA, PSC SITE 3;
GROUP J:

DESCRIPTION:

These areas are near Sherman Airfield. Personnel have been trained to fight aviation fires at these areas since 1955. Ignitable fuels are poured into shallow, unlined depressions and set a fire. The fires are extinguished with foam agents. Eighteen (18) soil borings were made to locate free products at this site. Six (6) monitoring wells are installed to monitor for volatile organic compounds (VOCs). No free products was found although halogenated VOCs were detected in low concentrations in three (3) of the monitoring wells. A storm drain parallel to the runway may affect the shallow groundwater flow direction. No analysis for non-halogenated volatiles have been made. No sampling of water in the storm drain has been made. In addition to the in depth study, modifications which eliminate pouring fuels directly into porous unlined pits have been adopted. The 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.

The following Screening Site which will be investigated and reported on concurrently with this Operable Unit include; PSC Site 19: Fuel Farm Pipeline Leak Area; the fuel farm pipeline leak is located southwest of Forrest Sherman field, approximately 1,300 feet west of the southern portion of aircraft runway 36. The pipeline leak occurred near the center of an above ground section of double pipeline, which runs between the fuel farm tanks and tank truck loading facility at Forrest Sherman Field. Surrounding the location of the leak is a stressed area of vegetation, measuring approximately 200 feet by 400 feet. As recently as 1983, no significant regrowth had taken place and dead trees were still present at the sites during E&E's preliminary reconnaissance. The site area measures approximately 850 by 1,000 feet. Several jeep trails and unimproved roads traverse the site, one of which lies parallel to the aboveground pipeline. The site is generally flat with land surface elevations averaging approximately 27 to 28 feet above MSL. The soil are generally sandy and well drained.

These PSC sites were grouped together mainly due to the following: geographic proximity of sites, and the potential for off-site migration and its impact on the other site. The prioritization of these sites 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 OPERABLE UNIT #8: CRASH CREW TRAINING AREA, PSC SITE 3;
GROUP J, continued:

1992 Primary Deliverables:

Due Date:

Draft Phase II Workplan (P) (Agency Review Comments) (Navy Receives Comments) (Navy Addresses Comments)	Navy transmits 17 Apr 92 Due within 90 days of Plan delivery Due 7 days after the 90 day review period Due 60 days after received comments
Draft/Final Phase II Workplan (P)	Navy transmits 27 Nov 92
Site Management Plan (Revised)	Yearly update Sep 92

1992 Secondary Deliverables:

Target Date:

Draft Phase I Data Report (S) (Agency Review Comments) (Navy Addresses Comments)	Navy transmits 17 Apr 92 Due within 90 days of report delivery Due 60 days after received comments
Draft/Final Phase I Data Report (S)	Navy transmits 27 Nov 92
Final Phase I Data Report (S)	Navy transmits 27 Dec 92
Quarterly Reports	Navy transmits on 10 Apr, July, and Oct.

Projected Deliverables

Projected Date:

Draft RI Report (P)	Navy transmits 29 Dec 93
Draft Baseline Risk Assessment (S)	Navy transmits 29 Dec 93
Draft Feasibility Study (P)	Navy transmits 28 Feb 94

Note:

(P) designates a Primary Document according to page 21 of FFA
(S) designates a Secondary Document according to page 22 of FFA

SITE MANAGEMENT PLAN
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, FLORIDA

31 MARCH 1992
 PAGE 35 OF 59

RI/FS OPERABLE UNIT #8: CRASH CREW TRAINING AREA, PSC SITE 3:
GROUP J:

Task Name	Start Date	End Date	Duratn (Days)	Pct Achvd
WORK PLAN APPROVAL	23-Oct-90	23-Oct-90	0.0	0
RI/FS PHASE I	15-Jun-91	27-Dec-92	561.0	0
FIELD WORK, DATA RPT	15-Jun-91	10-Apr-92	300.0	0
SUBMIT DRAFT DATA RPT	10-Apr-92	17-Apr-92	7.0	0
AGENCY REVIEW	17-Apr-92	16-Jul-92	90.0	0
NAVY RECVS COMMENTS	16-Jul-92	23-Jul-92	7.0	0
ADDRESS COMMENTS	23-Jul-92	21-Sep-92	60.0	0
MAIL COMMENTS	21-Sep-92	28-Sep-92	7.0	0
PREPARE DRAFT/FINAL	21-Sep-92	20-Nov-92	60.0	0
SUBMIT DRAFT/FINAL	20-Nov-92	27-Nov-92	7.0	0
DATA RPT FINALIZED	27-Nov-92	27-Dec-92	30.0	0
RI/FS PHASE II	10-Apr-92	9-NOV-94	943.0	0
RI REPORT	10-Apr-92	9-Sep-94	882.0	0
SUBMIT DRAFT WK PLAN	10-Apr-92	17-Apr-92	7.0	0
AGENCY REVIEW	17-Apr-92	16-Jul-92	90.0	0
NAVY RECVS COMMENTS	16-Jul-92	23-Jul-92	7.0	0
ADDRESS COMMENTS	23-Jul-92	21-Sep-92	60.6	0
MAIL COMMENTS	21-Sep-92	28-Sep-92	7.0	0
PREPARE DRAFT/FINAL	21-Sep-92	20-Nov-92	60.0	0
SUBMIT DRAFT/FINAL	20-Nov-92	27-Nov-92	7.0	0
WK PLANS FINALIZED	27-Nov-92	27-Dec-92	30.0	0
FIELD WORK	27-Dec-92	23-Oct-93	300.0	0
PREPARE DRFT RI RPT	23-Oct-93	22-Dec-93	60.0	0
SUBMIT DRAFT RI RPT	22-Dec-93	29-Dec-93	7.0	0
AGENCY REVIEW	29-Dec-93	29-Mar-94	90.0	0
NAVY RECVS COMMENTS	29-Mar-94	5-Apr-94	7.0	0
ADDRESS COMMENTS	5-Apr-94	4-Jun-94	60.0	0
MAIL COMMENTS	4-Jun-94	11-Jun-94	7.0	0
PREPARE DRAFT/FINAL	4-Jun-94	3-Aug-94	60.0	0
SUBMIT DRAFT/FINAL	3-Aug-94	10-Aug-94	7.0	0
RI REPORT FINALIZED	10-Aug-94	9-Sep-94	30.0	0
BASELINE RISK	27-Dec-92	9-Sep-94	621.0	0
PREPARE DRFT BASELINE	27-Dec-92	22-Dec-93	360.0	0
SUBMIT DRAFT BASELINE	22-Dec-93	29-Dec-93	7.0	0
AGENCY REVIEW	29-Dec-93	29-Mar-94	90.0	0
NAVY RECVS COMMENTS	29-Mar-94	5-Apr-94	7.0	0
ADDRESS COMMENTS	5-Apr-94	4-Jun-94	60.0	0
MAIL COMMENTS	4-Jun-94	11-Jun-94	7.0	0
PREPARE DRAFT/FINAL	4-Jun-94	3-Aug-94	60.0	0
SUBMIT DRAFT/FINAL	3-Aug-94	10-Aug-94	7.0	0
BASELINE FINALIZED	10-Aug-94	9-Sep-94	30.0	0
FEASIBILITY STUDY	23-Dec-93	9-Nov-94	321.0	0
PREPARE DRAFT FS	23-Dec-93	21-Feb-94	60.0	0
SUBMIT DRAFT FS	21-Feb-94	28-Feb-94	7.0	0
AGENCY REVIEW	28-Feb-94	29-May-94	90.0	0

NAVY RECVS COMMENTS	29-May-94	5 Jun-94	7.0	0
ADDRESS COMMENTS	5-Jun-94	4-Aug-94	60.0	0
MAIL COMMENTS	4-Aug-94	11-Aug-94	7.0	0
PREPARE DRFT/FINAL	4-Aug-94	3-Oct-94	60.0	0
SUBMIT DRAFT/FINAL	3-Oct-94	10-Oct-94	7.0	0
FS RPT FINALIZED	10-Oct-94	9-NOV-94	30.0	0
PROPOSED PLAN (PP)	3-Oct-94	18-Dec-95	441.0	0
PREPARE PP	3-Oct-94	2-Dec-94	60.0	0
SUBMIT DRAFT PP	2-Dec-94	9-Dec-94	7.0	0
AGENCY REVIEW	9-Dec-94	9-Mar-95	90.0	0
NAVY RECVS COMMENTS	9-Mar-95	16-Mar-95	7.0	0
ADDRESS COMMENTS	16-Mar-95	15-May-95	60.0	0
MAIL COMMENTS	15-May-95	22-May-95	7.0	0
PREPARE DRAFT/FINAL	15-May-95	14-Jul-95	60.0	0
SUBMIT DRAFT/FINAL	14-Jul-95	21-Jul-95	7.0	0
PP FINALIZED	21-Jul-95	20-Aug-95	30.0	0
PREPARE PUBLIC NOTICE	20-Aug-95	4-Sep-95	15.0	0
PUBLISH PUBLIC NOTICE	4-Sep-95	4-Oct-95	30.0	0
PUBLIC COMMENT PERIOD	4-Oct-95	18-Nov-95	45.0	0
PUBLIC MEETING	18-Oct-95	19-Oct-95	1.0	0
RESPONSIVENESS SUMMARY	18-Nov-95	18-Dec-95	30.0	0
RECORD OF DECISION	19-Oct-95	2-Aug-96	288.0	0
PREPARE DRAFT ROD	19-Oct-95	12-Nov-95	30.0	0
SUBMIT DRAFT ROD	18-Nov-95	25-Nov-95	7.0	0
AGENCY REVIEW	25-Nov-95	23-Feb-96	90.0	0
NAVY RECVS COMMENTS	23-Feb-96	1-Mar-96	7.0	0
ADDRESS COMMENTS	1-Mar-96	30-Apr-96	60.0	0
MAIL COMMENTS	30-Apr-96	7-May-96	7.0	0
PREPARE DRAFT/FINAL	30-Apr-96	29-Jun-96	60.0	0
SUBMIT DRAFT/FINAL	29-Jun-96	2-Jul-96	3.0	0
ROD FINALIZED	2-Jul-96	1-Aug-96	30.0	0
ROD SIGNATURE	1-Aug-96	2-Aug-96	1.0	0

TIME LINE Task Report

RI/FS OPERABLE UNIT #9: SOIL NORTH OF BUILDING 648, PSC SITE 31:
GROUP M:

DESCRIPTION:

Over a fifteen (15) year period, nearly 30,000 gallons of waste paint, thinner and paint sludges were poured into the ground in this area. 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 wells is not reported. The plume of contamination may have already passed the monitoring point. One monitoring well may be inadequate at this site and deficiencies exist in the other monitoring wells associated with this site and PSC site 27. Further indepth study will be conducted.

1992 Primary Deliverables:

Due Date:

Draft Phase II Workplan (P)
(Agency Review Comments)

(Navy Receives Comments)

(Navy Addresses Comments)

Draft/Final Phase II
Workplan (P)
Site Management Plan (Revised)

Navy transmits 17 Apr 92
Due within 90 days of Plan
delivery
Due 7 days after the 90
day review period
Due 60 days after
received comments
Navy transmits 27 Nov 92

Yearly update Sep 92

RI/FS OPERABLE UNIT #9: SOIL NORTH OF BUILDING 648. PSC SITE 31:
GROUP M, continued:

<u>1992 Secondary Deliverables:</u>	<u>Target Date:</u>
Draft Phase I Data Report (S) (Agency Review Comments) (Navy Addresses Comments)	Navy transmits 17 Apr 92 Due within 90 days of report delivery Due 60 days after received comments
Draft/Final Phase I Data Report (S)	Navy transmits 27 Nov 92
Final Phase I Data Report (S)	Navy transmits 27 Dec 92
Quarterly Reports	Navy transmits on 10 Apr, July, and Oct.
<u>Projected Deliverables</u>	<u>Projected Date:</u>
Draft RI Report (P)	Navy transmits 29 Dec 93
Draft Baseline Risk Assessment (S)	Navy transmits 29 Dec 93
Draft Feasibility Study (P)	Navy transmits 28 Feb 94

Note:

(P) designates a Primary Document according to page 21 of FFA
(S) designates a Secondary Document according to page 22 of FFA

RI/FS OPERABLE UNIT #9: SOIL NORTH OF BUILDING 648, PSC SITE 31:
GROUP M:

Task Name	Start Date	End Date	Duratr (Days)	Pct Achvd
WORK PLAN APPROVAL	23-Oct-90	23-Oct-90	0.0	0
RI/FS PHASE I	15-Jun-91	27-Dec-92	561.0	0
FIELD WORK, DATA RPT	15-Jun-91	10-Apr-92	300.0	0
SUBMIT DRAFT DATA RPT	10-Apr-92	17-Apr-92	7.0	0
AGENCY REVIEW	17-Apr-92	16-Jul-92	90.0	0
NAVY RECVS COMMENTS	16-Jul-92	23-Jul-92	7.0	0
ADDRESS COMMENTS	23-Jul-92	21-Sep-92	60.0	0
MAIL COMMENTS	21-Sep-92	28-Sep-92	7.0	0
PREPARE DRAFT/FINAL	21-Sep-92	20-NOV-92	60.0	0
SUBMIT DRAFT/FINAL	20-Nov-92	27-Nov-92	7.0	0
DATA RPT FINALIZED	27-Nov-92	27-Dec-92	30.0	0
RI/FS PHASE II	10-Apr-92	9-Nov-94	943.0	0
RI REPORT	10-Apr-92	9-Sep-94	882.0	0
SUBMIT DRAFT WK PLAN	10-Apr-92	17-Apr-92	7.0	0
AGBNY REVIEW	17-Apr-92	16-Jul-92	90.0	0
NAVY RECVS COMMENTS	16-Jul-92	23-Jul-92	7.0	0
ADDRESS COMMENTS	23-Jul-92	21-Sep-92	60.0	0
MAIL COMMENTS	21-Sep-92	28-Sep-92	7.0	0
PREPARE DRAFT/FINAL	21-Sep-92	20-Nov-92	60.0	0
SUBMIT DRAFT/FINAL	20-Nov-92	27-Nov-92	7.0	0
WK PLANS FINALIZED	27-Nov-92	27-Dec-92	30.0	0
FIELD WORK	27-Dec-92	23-Oct-93	300.0	0
PREPARE DRFT RI RPT	23-Oct-93	22-Dec-93	60.0	0
SUBMIT DRAFT RI RPT	22-Dec-93	29-Dec-93	7.0	0
AGENCY REVIEW	29-Dec-93	29-Mar-94	90.0	0
NAVY RECVS COMMENTS	29-Mar-94	5-Apr-94	7.0	0
ADDRESS COMMENTS	5-Apr-94	4-Jun-94	60.0	0
MAIL COMMENTS	4-Jun-94	11-Jun-94	7.0	0
PREPARE DRAFT/FINAL	4-Jun-94	3-Aug-94	60.0	0
SUBMIT DRAFT/FINAL	3-Aug-94	10-Aug-94	7.0	0
RI REPORT FINALIZBD	10-Aug-94	9-Sep-94	30.0	0
BASELINE RISK	27-Dec-92	9-Sep-94	621.0	0
PREPARE DRFT BASELINE	27-Dec-92	22-Dec-93	360.0	0
SUBMIT DRAFT BASELINE	22-Dec-93	29-Dec-93	7.0	0
AGENCY REVIEW	29-Dec-93	29-Mar-94	90.0	0
NAVY RECVS COMMENTS	29-Mar-94	5-Apr-94	7.0	0
ADDRESS COMMENTS	5-Apr-94	4-Jun-94	60.0	0
MAIL COMMENTS	4-Jun-94	11-Jun-94	7.0	0
PREPARE DRAFT/FINAL	4-Jun-94	3-Aug-94	60.0	0
SUBMIT DRAFT/FINAL	3-Aug-94	10-Aug-94	7.0	0
BASELINE FINALIZED	10-Aug-94	9-Sep-94	30.0	0
FEASIBILITY STUDY	23-Dec-93	9-Nov-94	321.0	0
PRBPAB DRAFT FS	23-Dec-93	21-Feb-94	60.0	0
SUBMIT DRAFT FS	21-Feb-94	28-Feb-94	7.0	0
AGENCY REVIEW	28-Feb-94	29-May-94	90.0	0

NAVY RECVS COM NTS	29-May-94	5 Jun-94	7.0	0
ADDRESS COMMENTS	5-Jun-94	4-Aug-94	60.0	0
MAIL COMMENTS	4-Aug-94	11-Aug-94	7.0	0
PREPARE DRFT/FINAL	4-Aug-94	3-Oct-94	60.0	0
SUBMIT DRAFT/FINAL	3-Oct-94	10-Oct-94	7.0	0
FS RPT FINALIZED	10-Oct-94	9-Nov-94	30.0	0
PROPOSED PLAN (PP)	3-Oct-94	18-Dec-95	441.0	0
PREPARE PP	3-Oct-94	2-Dec-94	60.0	0
SUBMIT DRAFT PP	2-Dec-94	9-Dec-94	7.0	0
AGENCY REVIEW	9-Dec-94	9-Mar-95	90.0	0
NAVY RECVS COMMENTS	9-Mar-95	16-Mar-95	7.0	0
ADDRESS COMMENTS	16-Mar-95	15-May-95	60.0	0
MAIL COMMENTS	15-May-95	22-May-95	7.0	0
PREPARE DRAFT/FINAL	15-May-95	14-Jul-95	60.0	0
SUBMIT DRAFT/FINAL	14-Jul-95	21-Jul-95	7.0	0
PP FINALIZED	21-Jul-95	20-Aug-95	30.0	0
PREPARE PUBLIC NOTICE	20-Aug-95	4-Sep-95	15.0	0
PUBLISH PUBLIC NOTICE	4-Sep-95	4-Oct-95	30.0	0
PUBLIC COMMENT PERIOD	4-Oct-95	18-Nov-95	45.0	0
PUBLIC MEETING	18-Oct-95	19-Oct-95	1.0	0
RESPONSIVENESS SUMMARY	18-Nov-95	18-Dec-95	30.0	0
RECORD OF DECISION	19-Oct-95	2-Aug-96	288.0	0
PREPARE DRAFT ROD	19-Oct-95	18-Nov-95	30.0	0
SUBMIT DRAFT ROD	18-NOV-95	25-Nov-95	7.0	0
AGENCY REVIEW	25-NOV-95	23-Feb-96	90.0	-0
NAVY RECVS COMMENTS	23-Feb-96	1-Mar-96	7.0	0
ADDRESS COMMENTS	1-Mar-96	30-Apr-96	60.0	0
MAIL COMMENTS	30-Apr-96	7-May-96	7.0	0
PREPARE DRAFT/FINAL	30-Apr-96	29-Jun-96	60.0	0
SUBMIT DRAFT/FINAL	29-Jun-96	2-Jul-96	3.0	0
ROD FINALIZED	2-Jul-96	1-Aug-96	30.0	0
ROD SIGNATURE	1-Aug-96	2-Aug-96	1.0	0

TIME LINE Task Report

RI/FS OPERABLE UNIT #10 - IWTP SLUDGE DRYING BEDS. PSC SITE 32; AND
WWTP PONDS. PSC SITE 33; GROUP O:

DESCRIPTION:

PSC Site 32- Industrial Wastewater Treatment Plant (IWTP) Sludge Drying Beds- These contiguous units have been 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. The contents of the drying beds (remainingsludge and leachate drainage system) and an underlying layer of sand were removed to about six feet below ground's surface. The 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 permit groundwater monitoring system. The site will continue to be monitored under the HSWA permit as a part of the IR Program.

PSC Site 33- Wastewater Treatment Pond- Surface Impoundments consisting of the domestic polishing pond, phenol/stabilization pond and industrial surge pond. In 1987, the EPA RCRA Compliance Branch determined that the polishing and stabilization ponds received listed F006 hazardous waste from the surge pond. The ponds were taken out-of-service at that time. 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 contribution to the IWTP groundwater contamination. The surge pond was completely removed down to the groundwater table. The groundwater table is approximately six (6) feet below ground level. All 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.

The following Screening Site which will be investigated and reported on concurrently with this Operable Unit include; PSC site 35: Miscellaneous IWTP SWMUs; These sites are within the same area, as site 32 and 33, and they were 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.

RI/FS OPERABLE UNIT #10; IWTP SLUDGE DRYING BEDS, PSC SITE 32; AND
WWT POND

These PSC sites were grouped together due to the following: geographic proximity of sites, similar contamination types, and similar groundwater flow. The prioritization of these sites 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.

	<u>Due Date:</u>
Resubmit Final RI/FS Workplan (P)	Navy transmits 30 Mar 92
Site Management Plan (Revised)	Yearly update Sep 92

<u>1992 Secondary Deliverables:</u>	<u>Target Date:</u>
Quarterly Reports	Navy transmits on 10 Apr, July, and Oct.

<u>Projected Deliverables</u>	<u>Projected Date:</u>
Draft RI Report (P)	Navy transmits 15 Jan 93
Draft Baseline Risk Assessment (S)	Navy transmits 15 Jan 93
Draft FS (P)	Navy transmits 9 Apr 93
Draft/Final RI Report (P)	Navy transmits 27 Aug 93
Draft/Final Baseline Risk Assessment (S)	Navy transmits 27 Aug 93
Draft/Final FS (P)	Navy transmits 19 Nov 93
Final RI Report (P)	Navy transmits 26 Sep 93
Final Baseline Risk Assessment (S)	Navy transmits 26 Sep 93
Final FS (P)	Navy transmits 19 Dec 93

Note :

(P) designates a Primary Document according to page 21 of FFA
(S) designates a Secondary Document according to page 22 of FFA

RI/FS OPERABLE UNIT #10: IWTP SLUDGE DRYING BEDS. PSC SITE 32; AND
 WWTP PONDS. PSC SITE 33; GROUP O:

Task Name	Start Date	End Date	Duratr (Days)	Pct Achvd
RI/FS	15-Jun-91	19-Dec-93	918.0	0
RI REPORT	15-Jun-91	26-Sep-93	834.0	0
SUBMIT DRFT WKPL	15-Jun-91	22-Jun-91	7.0	100
AGENCY REVIEW	22-Jun-91	6-Sep-91	76.0	100
NAVY RCVS COMMENTS	6-Sep-91	13-Sep-91	7.0	100
ADDRESS COMMENTS	13-Sep-91	5-Nov-91	53.0	100
MAIL COMMENTS	5-Nov-91	12-Nov-91	7.0	100
PREPARE DRAFT/FINAL	12-Nov-91	7-Jan-92	56.0	100
SUBMIT DRAFT/FINAL	7-Jan-92	14-Jan-92	7.0	100
WORK PLAN FINALIZED	14-Jan-92	13-Feb-92	30.0	100
RESUBMIT FINAL WKPL	13-Feb-92	30-Mar-92	46.0	100
REQUEST FOR EXTENSION	30-Mar-92	29-May-92	60.0	0
FIELD WORK	29-May-92	9-Nov-92	164.0	0
PREPARE DFT RI RPT	9-Nov-92	8-Jan-93	60.0	0
SUBMIT DRAFT RI RPT	8-Jan-93	15-Jan-93	7.0	0
AGENCY REVIEW	15-Jan-93	15-Apr-93	90.0	0
NAVY RECVS COMMENTS	15-Apr-93	22-Apr-93	7.0	0
ADDRESS COMMENTS	22-Apr-93	21-Jun-93	60.0	0
MAIL COMMENTS	21-Jun-93	28-Jun-93	7.0	0
PREPARE DRAFT/FINAL	21-Jun-93	20-Aug-93	60.0	0
SUBMIT DRAFT/FINAL	20-Aug-93	27-Aug-93	7.0	0
RI RPT FINALIZED	27-Aug-93	26-Sep-93	30.0	0
BASELINE RISK	12-Jun-92	26-Sep-93	471.0	0
PREPARE DRFT BASELINE	12-Jun-92	8-Jan-93	210.0	0
SUBMIT DRAFT BASELINE	8-Jan-93	15-Jan-93	7.0	0
AGENCY REVIEW	15-Jan-93	15-Apr-93	90.0	0
NAVY RECVS COMMENTS	15-Apr-93	22-Apr-93	7.0	0
ADDRESS COMMENTS	22-Apr-93	21-Jun-93	60.0	0
MAIL COMMENTS	21-Jun-93	28-Jun-93	7.0	0
PREPARE DRAFT/FINAL	21-Jun-93	20-Aug-93	60.0	0
SUBMIT DRAFT/FINAL	20-Aug-93	27-Aug-93	7.0	0
BASELINE FINALIZED	27-Aug-93	26-Sep-93	30.0	0
FEASIBILITY STUDY	1-Feb-93	19-Dec-93	321.0	0
PREPARE DRAFT FS	1-Feb-93	2-Apr-93	60.0	0
SUBMIT DRAFT FS	2-Apr-93	9-Apr-93	7.0	0
AGENCY REVIEW	9-Apr-93	8-Jul-93	90.0	0
NAVY RECVS COMMENTS	8-Jul-93	15-Jul-93	7.0	0
ADDRESS COMMENTS	15-Jul-93	13-Sep-93	60.0	0
MAIL COMMENTS	13-Sep-93	20-Sep-93	7.0	0
PRBPARE DRFT/FINAL	13-Sep-93	12-Nov-93	60.0	0
SUBMIT DRAFT/FINAL	12-Nov-93	19-Nov-93	7.0	0
FS RPT FINALIZED	19-Nov-93	19-Dec-93	30.0	0
PROPOSED PLAN (PP)	12-Nov-93	27-Jan-95	441.0	0
PREPARE PP	12-Nov-93	11-Jan-94	60.0	0
SUBMIT DRAFT PP	11-Jan-94	18-Jan-94	7.0	0

AGENCY REVIEW	18-Jan-94	18-Apr-94	90.0	0
NAVY RECVS COMMENTS	18-Apr-94	25-Apr-94	7.0	0
ADDRESS COMMENTS	25-Apr-94	24-Jun-94	60.0	0
MAIL COMMENTS	24-Jun-94	1-Jul-94	7.0	0
PREPARE DRAFT/FINAL	24-Jun-94	23-Aug-94	60.0	0
SUBMIT DRAFT/FINAL	23-Aug-94	30-Aug-94	7.0	0
PP FINALIZED	30-Aug-94	29-Sep-94	30.0	0
PREPARE PUBLIC NOTICE	29-Sep-94	14-Oct-94	15.0	0
PUBLISH PUBLIC NOTICE	14-Oct-94	13-Nov-94	30.0	0
PUBLIC COMMENT PERIOD	13-Nov-94	28-Dec-94	45.0	0
PUBLIC MEETING	27-Nov-94	28-Nov-94	1.0	0
RESPONSIVENESS SUMMARY	28-Dec-94	27-Jan-95	30.0	0
RECORD OF DECISION	28-Nov-94	12-Sep-95	288.0	0
PREPARE DRAFT ROD	28-Nov-94	28-Dec-94	30.0	0
SUBMIT DRAFT ROD	28-Dec-94	4-Jan-95	7.0	0
AGENCY REVIEW	4-Jan-95	4-Apr-95	90.0	0
NAVY RECVS COMMENTS	4-Apr-95	11-Apr-95	7.0	0
ADDRESS COMMENTS	11-Apr-95	10-Jun-95	60.0	0
MAIL COMMENTS	10-Jun-95	17-Jun-95	7.0	0
PREPARE DRAFT/FINAL	10-Jun-95	9-Aug-95	60.0	0
SUBMIT DRAFT/FINAL	9-Aug-95	12-Aug-95	3.0	0
ROD FINALIZED	12-Aug-95	11-Sep-95	30.0	0
ROD SIGNATURE	11-Sep-95	12-Sep-95	1.0	0

TIME LINE Task Report

RI/FS OPERABLE UNIT #11: BUILDING 71, PSC SITE 38; GROUP P:

DESCRIPTION:

Building 71 is undergoing RCRA closure. This building was a storage area for hazardous waste. In accordance with the closure plan, no soils testing was required. The soil testing which was conducted detected hazardous waste constituents, the presence of which is consistent with the use of Building 49, 71, and 72 during the period from about 1935 to the late 1970's for aircraft paint stripping and painting operations. These activities are described in the IAS in detail. The study documents identify the use of paint strippers, ketone, and trichloroethylene (forparts cleaning) in buildings 49 and 71. Ten 550 gallon tanks were located in these facilities which were periodically drained through the underground lines from the buildings to the bay. A cyanate spill in the area near buildings 71 and 104 and the presence of cyanates in the adjacent bay waters also are documented in the report. Prior use of the facility is described in more detail in the referenced report.

1992 Primary Deliverables:

Due Date:

Draft/Final
Workplan (Phase I) (P)
Final Workplan (P)
(Phase I)

Navy transmits 16 Jun 92

Navy transmits 16 Jul 92

Site Management Plan (Revised)

Yearly update Sep 92

1992 Secondary Deliverables:

Target Date:

Quarterly Reports

Navy transmits on 10 Apr,
July, and Oct.

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RI/FS OPERABLE WIT #11: BUILDING 71. PSC SITE 38: GROUP P,
continued:

D _____

Projected Deliverables

Projected Date:

Draft RI Report (P)	Navy transmits 12 Aug 93
Draft Baseline Risk Assessment (S)	Navy transmits 24 Aug 93
Draft FS (P)	Navy transmits 11 Nov 93

Note:

(P) designates a Primary Document according to page 21 of FFA
(S) designates a Secondary Document according to page 22 of FFA

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RI/FS OPERABLE UNIT #11: BUILDING 71, PSC SITE 38; GROUP P:

Task Name	Start Date	End Date	Duratn (Days)	Pct Achvd
RI/FS	15-Sep-91	23-Jul-94	1,042.0	0
RI REPORT	15-Sep-91	23-Apr-94	951.0	0
SUBMIT DRFT WORKPLAN	15-Sep-91	22-Sep-91	7.0	100
AGENCY REVIEW	22-Sep-91	7-Feb-92	138.0	100
NAVY RCVS COMMENTS	7-Feb-92	10-Feb-92	3.0	100
ADDRESS COMMENTS	10-Feb-92	10-Apr-92	60.0	0
MAIL COMMENTS	10-Apr-92	17-Apr-92	7.0	0
PREPARE DRAFT/FINAL	10-Apr-92	9-Jun-92	60.0	0
SUBMIT DRAFT/FINAL	9-Jun-92	16-Jun-92	7.0	0
WORK PLAN FINALIZED	16-Jun-92	16-Jul-92	30.0	0
FIELDWORK, DATA RPT	16-Jul-92	6-Jun-93	325.0	0
PREPARE DFT RI RPT	6-Jun-93	5-Aug-93	60.0	0
SUBMIT DRAFT RI RPT	5-Aug-93	12-Aug-93	7.0	0
AGENCY REVIEW	12-Aug-93	10-NOV-93	90.0	0
NAVY RECVS COMMENTS	10-Nov-93	17-Nov-93	7.0	0
ADDRESS COMMENTS	17-Nov-93	16-Jan-94	60.0	0
MAIL COMMENTS	16-Jan-94	23-Jan-94	7.0	0
PREPARE DRAFT/FINAL	16-Jan-94	17-Mar-94	60.0	0
SUBMIT DRAFT/FINAL	17-Mar-94	24-Mar-94	7.0	0
RI RPT FINALIZED	24-Mar-94	23-Apr-94	30.0	0
BASELINE RISK	16-Sep-92	5-May-94	596.0	0
PREPARE DRFT BASELINE	16-Sep-92	17-Aug-93	335.0	0
SUBMIT DRAFT BASELINE	17-Aug-93	24-Aug-93	7.0	0
AGENCY REVIEW	24-Aug-93	22-Nov-93	90.0	0
NAVY RECVS COMMENTS	22-Nov-93	29-NOV-93	7.0	0
ADDRBSS COMMENTS	29-Nov-93	28-Jan-94	60.0	0
MAIL COMMENTS	28-Jan-94	4-Feb-94	7.0	0
PREPARE DRAFT/FINAL	28-Jan-94	29-Mar-94	60.0	0
SUBMIT DRAFT/FINAL	29-Mar-94	5-Apr-94	7.0	0
BASELINE FINALIZED	5-Apr-94	5-May-94	30.0	0
FEASIBILITY STUDY	5-Sep-93	23-Jul-94	321.0	0
PREPARE DRAFT FS	5-Sep-93	4-NOV-93	60.0	0
SUBMIT DRAFT ES	4-Nov-93	11-Nov-93	7.0	0
AGENCY REVIEW	11-Nov-93	9-Feb-94	90.0	0
NAVY RECVS COMMENTS	9-Feb-94	16-Feb-94	7.0	0
ADDRESS COMMENTS	16-Feb-94	17-Apr-94	60.0	0
MAIL COMMENTS	17-Apr-94	24-Apr-94	7.0	0
PREPARE DRFT/FINAL	17-Apr-94	16-Jun-94	60.0	0
SUBMIT DRAFT/FINAL	16-Jun-94	23-Jun-94	7.0	0
FS RPT FINALIZED	23-Jun-94	23-Jul-94	30.0	0
PROPOSED PLAN (PP)	23-Jul-94	7-Oct-95	441.0	0
PREPARE PP	23-Jul-94	21-Sep-94	60.0	0
SUBMIT DRAFT PP	21-Sep-94	28-Sep-94	7.0	0
AGENCY REVIEW	28-Sep-94	27-Dec-94	90.0	0
NAVY RECVS COMMENTS	27-Dec-94	3-Jan-95	7.0	0

ADDRESS COMMENTS	3-Jan-95	4-Mar-95	60.0	0
MAIL COMMENTS	4-Mar-95	11-Mar-95	7.0	0
PREPARE DRAFT/FINAL	4-Mar-95	3-May-95	60.0	0
SUBMIT DRAFT/FINAL	3-May-95	10-May-95	7.0	0
PP FINALIZED	10-May-95	9-Jun-95	30.0	0
PREPARE PUBLIC NOTICE	9-Jun-95	24-Jun-95	15.0	0
PUBLISH PUBLIC NOTICE	24-Jun-95	24-Jul-95	30.0	0
PUBLIC COMMENT PERIOD	24-Jul-95	7-Sep-95	45.0	0
PUBLIC MEETING	7-Aug-95	8-Aug-95	1.0	0
RESPONSIVENESS SUMMARY	7-Sep-95	7-Oct-95	30.0	0
RECORD OF DECISION	8-Aug-95	22-May-96	288.0	0
PREPARE DRAFT ROD	8-Aug-95	7-Sep-95	30.0	0
SUBMIT DRAFT ROD	7-Sep-95	14-Sep-95	7.0	0
AGENCY REVIEW	14-Sep-95	13-Dec-95	90.0	0
NAVY RECVS COMMENTS	13-Dec-95	20-Dec-95	7.0	0
ADDRESS COMMENTS	20-Dec-95	18-Feb-96	60.0	0
MAIL COMMENTS	18-Feb-96	25-Feb-96	7.0	0
PREPARE DRAFT/FINAL	18-Feb-96	18-Apr-96	60.0	0
SUBMIT DRAFT/FINAL	18-Apr-96	21-Apr-96	3.0	0
ROD FINALIZED	21-Apr-96	21-May-96	30.0	0
ROD SIGNATURE	21-May-96	22-May-96	1.0	0

TIME LINE Task Report

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PENSACOLA, FLORIDA**

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**RI/FS OPERABLE UNIT #12: OAK GROVE CAMPGROUND AREA. PSC SITE 39;
GROUP Q:**

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.

1992 Primary Deliverables:

Due Date:

Draft/Final
Workplan (Phase I) (P)
Final Workplan (P)
(Phase I)

Navy transmits 16 Jun 92

Navy transmits 16 Jul 92

Site Management Plan (Revised)

Yearly update Sep 92

1992 Secondary Deliverables:

Target Date:

Quarterly Reports

Navy transmits on 10 Apr,
July, and Oct.

**SITE MANAGEMENT PLAN
NAVAL AIR STATION PENSACOLA
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RI/FS OPERABLE UNIT #12: OAKGROVE CAMPGROUND AREA, PSC SITE 39:
GROUP Q, continued:

Projected Deliverables

Projected Date:

Draft RI Report (P)	Navy transmits 12 Aug 93
Draft Baseline Risk Assessment (S)	Navy transmits 24 Aug 93
Draft FS (P)	Navy transmits 11 Nov 93

Note :

(P) designates a Primary Document according to page 21 of FFA
(S) designates a Secondary Document according to page 22 of FFA

RI/FS OPERABLE UNIT #12: OAKGROVE CAMPGROUND AREA. PSC SITE 39;
GROUP O:

Task Name	Start Date	End Date	Duratn (Days)	Pct Achvd
RI/FS	15-Sep-91	23-Jul-94	1,042.0	0
RI REPORT	15-Sep-91	23-Apr-94	951.0	0
SUBMIT DRFT WORKPLAN	15-Sep-91	22-Sep-91	7.0	100
AGENCY REVIEW	22-Sep-91	7-Feb-92	138.0	100
NAVY RCVS COMMENTS	7-Feb-92	10-Feb-92	3.0	100
ADDRESS COMMENTS	10-Feb-92	10-Apr-92	60.0	0
MAIL COMMENTS	10-Apr-92	17-Apr-92	7.0	0
PREPARE DRAFT/FINAL	10-Apr-92	9-Jun-92	60.0	0
SUBMIT DRAFT/FINAL	9-Jun-92	16-Jun-92	7.0	0
WORK PLAN FINALIZED	16-Jun-92	16-Jul-92	30.0	0
FIELDWORK, DATA RPT	16-Jul-92	6-Jun-93	325.0	0
PREPARE DFT RI RPT	6-Jun-93	5-Aug-93	60.0	0
SUBMIT DRAFT RI RPT	5-Aug-93	12-Aug-93	7.0	0
AGENCY REVIEW	12-Aug-93	10-Nov-93	90.0	0
NAVY RECVS COMMENTS	10-Nov-93	17-Nov-93	7.0	0
ADDRESS COMMENTS	17-Nov-93	16-Jan-94	60.0	0
MAIL COMMENTS	16-Jan-94	23-Jan-94	7.0	0
PREPARE DRAFT/FINAL	16-Jan-94	17-Mar-94	60.0	0
SUBMIT DRAFT/FINAL	17-Mar-94	24-Mar-94	7.0	0
RI RPT FINALIZED	24-Mar-94	23-Apr-94	30.0	0
BASELINE RISK	16-Sep-92	5-May-94	596.0	0
PREPARE DRFT BASELINE	16-Sep-92	17-Aug-93	335.0	0
SUBMIT DRAFT BASELINE	17-Aug-93	24-Aug-93	7.0	0
AGENCY REVIEW	24-Aug-93	22-Nov-93	90.0	0
NAVY RECVS COMMENTS	22-Nov-93	29-Nov-93	7.0	0
ADDRESS COMMENTS	29-Nov-93	28-Jan-94	60.0	0
MAIL COMMENTS	28-Jan-94	4-Feb-94	7.0	0
PREPARE DRAFT/FINAL	28-Jan-94	29-Mar-94	60.0	0
SUBMIT DRAFT/FINAL	29-Mar-94	5-Apr-94	7.0	0
BASELINE FINALIZED	5-Apr-94	5-May-94	30.0	0
FEASIBILITY STUDY	5-Sep-93	23-Jul-94	321.0	0
PREPARE DRAFT FS	5-Sep-93	4-Nov-93	60.0	0
SUBMIT DRAFT FS	4-Nov-93	11-Nov-93	7.0	0
AGENCY REVIEW	11-Nov-93	9-Feb-94	90.0	0
NAVY RECVS COMMENTS	9-Feb-94	16-Feb-94	7.0	0
ADDRESS COMMENTS	16-Feb-94	17-Apr-94	60.0	0
MAIL COMMENTS	17-Apr-94	24-Apr-94	7.0	0
PREPARE DRFT/FINAL	17-Apr-94	16-Jun-94	60.0	0
SUBMIT DRAFT/FINAL	16-Jun-94	23-Jun-94	7.0	0
FS RPT FINALIZED	23-Jun-94	23-Jul-94	30.0	0
PROPOSED PLAN (PP)	23-Jul-94	7-Oct-95	441.0	0
PREPARE PP	23-Jul-94	21-Sep-94	60.0	0
SUBMIT DRAFT PP	21-Sep-94	28-Sep-94	7.0	0
AGENCY REVIEW	28-Sep-94	27-Dec-94	90.0	0
NAVY RECVS COMMENTS	27-Dec-94	3-Jan-95	7.0	0

ADDRESS COMMENTS	3-Jan-95	4-Mar-95	60.0	0
MAIL COMMENTS	4-Mar-95	11-Mar-95	7.0	0
PREPARE DRAFT/FINAL	4-Mar-95	3-May-95	60.0	0
SUBMIT DRAFT/FINAL	3-May-95	10-May-95	7.0	0
PP FINALIZED	10-May-95	9-Jun-95	30.0	0
PREPARE PUBLIC NOTICE	9-Jun-95	24-Jun-95	15.0	0
PUBLISH PUBLIC NOTICE	24-Jun-95	24-Jul-95	30.0	0
PUBLIC COMMENT PERIOD	24-Jul-95	7-Sep-95	45.0	0
PUBLIC MEETING	7-Aug-95	8-Aug-95	1.0	0
RESPONSIVENESS SUMMARY	7-Sep-95	7-Oct-95	30.0	0
RECORD OF DECISION	8-Aug-95	22-May-96	288.0	0
PREPARE DRAFT ROD	8-Aug-95	7-Sep-95	30.0	0
SUBMIT DRAFT ROD	7-Sep-95	14-Sep-95	7.0	0
AGENCY REVIEW	14-Sep-95	13-Dec-95	90.0	0
NAVY RECVS COMMENTS	13-Dec-95	20-Dec-95	7.0	0
ADDRESS COMMENTS	20-Dec-95	18-Feb-96	60.0	0
MAIL COMMENTS	18-Feb-96	25-Feb-96	7.0	0
PREPARE DRAFT/FINAL	18-Feb-96	18-Apr-96	60.0	0
SUBMIT DRAFT/FINAL	18-Apr-96	21-Apr-96	3.0	0
ROD FINALIZED	21-Apr-96	21-May-96	30.0	0
ROD SIGNATURE	21-May-96	22-May-96	1.0	0

TIME LINE Task Report

RI/FS OPERABLE UNIT #13: REFUELER REPAIR SHOP, PSC SITE 22;
GROUP E:
DESCRIPTION:

PSC Site 22: Refueler Repair Shop: The residual fuel from aircraft refueling trucks was disposed here in preparation for repair work on the trucks. An estimated 19,000 gallons of leaded aviation gasoline and jet fuel were disposed over a nineteen (19) year period. Fifteen (15) borings to detect free product on the shallow water table did not detect any free product. Further studies will be conducted. The analyses of groundwater samples for dissolved constituents such as non-halogenated volatiles, lead, and base neutral extractables will be performed. Piezometers may be placed to aid in estimating the most probable location of an exhibiting plume of contamination, and to determine if the gradient of the shallow aquifer is toward a public supply well.

The following Screening Site which will be investigated and reported on concurrently with this Operable Unit include; PSC Site 8: Rifle Range Disposal Area; 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 PSC sites were grouped together due to the following: geographic proximity of sites, similar contamination types, and similar groundwater flow. The prioritization of these sites 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.

1992 Primary Deliverables:

Due Date:

Draft/Final Workplan (Phase I) (P)	Navy transmits 16 Jun 92
Final Workplan (P) (Phase I)	Navy transmits 16 Jul 92
Site Management Plan (Revised)	.Yearlyupdate Sep 92

RI/FS OPERABLE UNIT #13; REFUELER REPAIR SHOP, PSC SITE 22;
GROUP E, continued:

<u>1992 Secondary Deliverables:</u>	<u>Target Dater</u>
Quarterly Reports	Navy transmits on 10 Apr, July, and Oct.
<u>Pr</u> _____	<u>Projected Dater</u>
Draft RI Report (P)	Navy transmits 12 Aug 93
Draft Baseline Risk Assessment (S)	Navy transmits 24 Aug 93
Draft FS (P)	Navy transmits 11 Nov 92

Note:

(P) designates a Primary Document according to page 21 of FFA
(S) designates a Secondary Document according to page 22 of FFA

RI/FS OPERABLE UNIT #13: REFUELER REPAIR SHOP, PSC SITE 22,
GROUP H:

Task Name	Start Date	End Date	Duratn (Days)	Pct Achvd
RI/FS	15-Sep-91	23-Jul-94	1,042.0	0
RI REPORT	15-Sep-91	23-Apr-94	951.0	0
SUBMIT DRFT WORKPLAN	15-Sep-91	22-Sep-91	7.0	100
AGENCY REVIEW	22-Sep-91	7-Feb-92	138.0	100
NAVY RCVS COMMENTS	7-Feb-92	10-Feb-92	3.0	100
ADDRESS COMMENTS	10-Feb-92	10-Apr-92	60.0	0
MAIL COMMENTS	10-Apr-92	17-Apr-92	7.0	0
PREPARE DRAFT/FINAL	10-Apr-92	9-Jun-92	60.0	0
SUBMIT DRAFT/FINAL	9-Jun-92	16-JUN-92	7.0	0
WORK PLAN FINALIZED	16-Jun-92	16-Jul-92	30.0	0
FIELDWORK, DATA RPT	16-Jul-92	6-Jun-93	325.0	0
PREPARE DFT RI RPT	6-Jun-93	5-Aug-93	60.0	0
SUBMIT DRAFT RI RPT	5-Aug-93	12-Aug-93	7.0	0
AGENCY REVIEW	12-Aug-93	10-NOV-93	90.0	0
NAVY RECVS COMMENTS	10-Nov-93	17-Nov-93	7.0	0
ADDRESS COMMENTS	17-NOV-93	16-Jan-94	60.0	0
MAIL COMMENTS	16-Jan-94	23-Jan-94	7.0	0
PREPARE DRAFT/FINAL	16-Jan-94	17-Mar-94	60.0	0
SUBMIT DRAFT/FINAL	17-Mar-94	24-Mar-94	7.0	0
RI RPT FINALIZED	24-Mar-94	23-Apr-94	30.0	0
BASELINE RISK	16-Sep-92	5-May-94	596.0	0
PREPARE DRFT BASELINE	16-Sep-92	17-Aug-93	335.0	0
SUBMIT DRAFT BASELINE	17-Aug-93	24-Aug-93	7.0	0
AGENCY REVIEW	24-Aug-93	22-Nov-93	90.0	0
NAVY RECVS COMMENTS	22-Nov-93	29-Nov-93	7.0	0
ADDRESS COMMENTS	29-Nov-93	28-Jan-94	60.0	0
MAIL COMMENTS	28-Jan-94	4-Feb-94	7.0	0
PREPARE DRAFT/FINAL	28-Jan-94	29-Mar-94	60.0	0
SUBMIT DRAFT/FINAL	29-Mar-94	5-Apr-94	7.0	0
BASELINE FINALIZED	5-Apr-94	5-May-94	30.0	0
FEASIBILITY STUDY	5-Sep-93	23-Jul-94	321.0	0
PREPARE DRAFT FS	5-Sep-93	4-Nov-93	60.0	0
SUBMIT DRAFT FS	4-NOV-93	11-Nov-93	7.0	0
AGENCY REVIEW	11-Nov-93	9-Feb-94	90.0	0
NAVY RBCVS COMMENTS	9-Feb-94	16-Feb-94	7.0	0
ADDRESS COMMENTS	16-Feb-94	17-Apr-94	60.0	0
MAIL COMMENTS	17-Apr-94	24-Apr-94	7.0	0
PREPARE DRFT/FINAL	17-Apr-94	16-Jun-94	60.0	0
SUBMIT DRAFT/FINAL	16-Jun-94	23-Jun-94	7.0	0
ES RPT FINALIZED	23-Jun-94	23-Jul-94	30.0	0
PROPOSED PLAN (PP)	23-Jul-94	7-Oct-95	441.0	0
PREPARE PP	23-Jul-94	21-Sep-94	60.0	0
SUBMIT DRAFT PP	21-Sep-94	28-Sep-94	7.0	0
AGENCY REVIEW	28-Sep-94	27-Dec-94	90.0	0
NAVY RECVS COMMENTS	27-Dec-94	3-Jan-95	7.0	0

ADDRESS COMMENTS	3-Jan-95	4-Mar-95	60.0	0
MAIL COMMENTS	4-Mar-95	11-Mar-95	7.0	0
PREPARE DRAFT/FINAL	4-Mar-95	3-May-95	60.0	0
SUBMIT DRAFT/FINAL	3-May-95	10-May-95	7.0	0
PP FINALIZED	10-May-95	9-JUL-95	30.0	0
PREPARE PUBLIC NOTICE	9-Jun-95	24-JUL-95	15.0	0
PUBLISH PUBLIC NOTICE	24-Jun-95	24-Jul-95	30.0	0
PUBLIC COMMENT PERIOD	24-Jul-95	7-Sep-95	45.0	0
PUBLIC MEETING	7-Aug-95	8-Aug-95	1.0	0
RESPONSIVENESS SUMMARY	7-Sep-95	7-Oct-95	30.0	0
RECORD OF DECISION	8-Aug-95	22-May-96	288.0	0
PREPARE DRAFT ROD	8-Aug-95	7-Sep-95	30.0	0
SUBMIT DRAFT ROD	7-Sep-95	14-Sep-95	7.0	0
AGENCY REVIEW	14-Sep-95	13-Dec-95	90.0	0
NAVY RECVS COMMENTS	13-Dec-95	20-Dec-95	7.0	0
ADDRESS COMMENTS	20-Dec-95	18-Feb-96	60.0	0
MAIL COMMENTS	18-Feb-96	25-Feb-96	7.0	0
PREPARE DRAFT/FINAL	18-Feb-96	18-Apr-96	60.0	0
SUBMIT DRAFT/FINAL	18-Apr-96	21-Apr-96	3.0	0
ROD FINALIZED	21-Apr-96	21-May-96	30.0	0
ROD SIGNATURE	21-May-96	22-May-96	1.0	0

TIME LINE Task Report

RI/FS OPERABLE UNIT #14: TRANSFORMER STORAGE YARD, PSC SITE 17;
GROUP I:

DESCRIPTION:

PSC Site 17: Transformer Storage Yard: Transformer 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 only 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 of this site.

The following Screening Site which will be investigated and reported on concurrently with this Operable Unit include; PSC Site 18: PCB Spill Area; and PSC Site 28: Transformer Accident Area. The PSC Site 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 that no clean-up effort was conducted. During IAS field investigations, analysis of a field sample indicated that Arochlor 1260 was present at a concentration of 4 ppm, which was less than that considered hazardous under the Toxic Substance Control Act.

PSC Site 28: In 1969, a transformer fell from a truck traveling on Radford Avenue, 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 PSC sites were grouped together due to the following: geographic proximity of sites, similar contamination types, and similar groundwater flow. The prioritization of these sites 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 OPERABLE UNIT #14: TRANSFORMER STORAGE YARD, PSC SITE 17;
GROUP I. continued:

1992 Primary Deliverables:

Due Date:

Draft/Final Workplan (Phase I) (P)	Navy transmits 16 Jun 92
Final Workplan (P) (Phase I)	Navy transmits 16 Jul 92
Site Management Plan (Revised)	Yearly update Sep 92

1992 Secondary Deliverables:

Target Date:

Quarterly Reports	Navy transmits on 10 Apr, July, and Oct.
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Projected Deliverables

Projected Date:

Draft RI Report (P)	Navy transmits 12 Aug 93
Draft Baseline Risk Assessment (S)	Navy transmits 24 Aug 93
Draft FS (P)	Navy transmits 11 Nov 93

Note:

(P) designates a Primary Document according to page 21 of FFA
(S) designates a Secondary Document according to page 22 of FFA

RI/FS OPERABLE UNIT #14: TRANSFORMER STORAGE YARD, PSC SITE 17;
GROUP II

Task Name	Start Date	End Date	Duratn (Days)	Pct Achvd
RI/FS	15-Sep-91	23-Jul-94	1,042.0	0
RI REPORT	15-Sep-91	23-Apr-94	951.0	0
SUBMIT DRFT WORKPLAN	15-Sep-91	22-Sep-91	7.0	100
AGENCY REVIEW	22-Sep-91	7-Feb-92	138.0	100
NAVY RCVS COMMENTS	7-Feb-92	10-Feb-92	3.0	100
ADDRESS COMMENTS	10-Feb-92	10-Apr-92	60.0	0
MAIL COMMENTS	10-Apr-92	17-Apr-92	7.0	0
PREPARE DRAFT/FINAL	10-Apr-92	9-Jun-92	60.0	0
SUBMIT DRAFT/FINAL	9-Jun-92	16-Jw-92	7.0	0
WORK PLAN FINALIZED	16-Jun-92	16-Jul-92	30.0	0
FIELDWORK, DATA RPT	16-Jul-92	6-Jun-93	325.0	0
PREPARE DFT RI RPT	6-Jun-93	5-Aug-93	60.0	0
SUBMIT DRAFT RI RPT	5-Aug-93	12-Aug-93	7.0	0
AGENCY REVIEW	12-Aug-93	10-Nov-93	90.0	0
NAVY RECVS COMMENTS	10-NOV-93	17-Nov-93	7.0	0
ADDRESS COMMENTS	17-NOV-93	16-Jan-94	60.0	0
MAIL COMMENTS	16-Jan-94	23-Jan-94	7.0	0
PREPARE DRAFT/FINAL	16-Jan-94	17-Mar-94	60.0	0
SUBMIT DRAFT/FINAL	17-Mar-94	24-Mar-94	7.0	0
RI RPT FINALIZED	24-Mar-94	23-Apr-94	30.0	0
BASELINE RISK	16-Sep-92	5-May-94	596.0	0
PREPARE DRFT BASELINE	16-Sep-92	17-Aug-93	335.0	0
SUBMIT DRAFT BASELINE	17-Aug-93	24-Aug-93	7.0	0
AGENCY REVIEW	24-Aug-93	22-Nov-93	90.0	0
NAVY RECVS COMMENTS	22-NOV-93	29-NOV-93	7.0	0
ADDRESS COMMENTS	29-Nov-93	28-Jan-94	60.0	0
MAIL COMMENTS	28-Jan-94	4-Feb-94	7.0	0
PREPARE DRAFT/FINAL	28-Jan-94	29-Mar-94	60.0	0
SUBMIT DRAFT/FINAL	29-Mar-94	5-Apr-94	7.0	0
BASELINE FINALIZED	5-Apr-94	5-May-94	30.0	0
FEASIBILITY STUDY	5-Sep-93	23-Jul-94	321.0	0
PREPARE DRAFT FS	5-Sep-93	4-Nov-93	60.0	0
SUBMIT DRAFT FS	4-Nov-93	11-Nov-93	7.0	0
AGENCY REVIEW	11-Nov-93	9-Feb-94	90.0	0
NAVY RECVS COMMENTS	9-Feb-94	16-Feb-94	7.0	0
ADDRESS COMMENTS	16-Feb-94	17-Apr-94	60.0	0
MAIL COMMENTS	17-Apr-94	24-Apr-94	7.0	0
PREPARE DRFT/FINAL	17-Apr-94	16-Jun-94	60.0	0
SUBMIT DRAFT/FINAL	16-JU-94	23-Jun-94	7.0	0
FS RPT FINALIZED	23-Jun-94	23-Jul-94	30.0	0
PROPOSED PLAN (PP)	23-Jul-94	7-Oct-95	441.0	0
PREPARE PP	23-Jul-94	21-Sep-94	60.0	0
SUBMIT DRAFT PP	21-Sep-94	28-Sep-94	7.0	0
AGENCY REVIEW	28-Sep-94	27-Dec-94	90.0	0
NAVY RECVS COMMENTS	27-Dec-94	3-Jan-95	7.0	0

RI/FS OPERABLE W I T #15: BAYOU GRANDE, PSC SITE 40; GROUP R:

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 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 the bays and the bayou. No perennial streams enter or exist the air station, but the marshy areas (wetlands) and their small lakes retain water throughout the year. Investigative activities are currently underway near this area.

1992 Primary Deliverables:

Due Date:

Draft RI/FS Workplan (P)
(Phase I)
Site Management Plan (Revised)

Navy transmits 22 Dec 92
Yearly update Sep 92

1992 Secondary Deliverables:

Target Date:

Quarterly Reports

Navy transmits on 10 Apr,
July, and Oct.

Projected Deliverables

Projected Date:

Draft/Final RI/FS Workplan (P)
(Phase I)
Final RI/FS Workplan (P)
(Phase I)

Navy transmits 3 Aug 93
Navy transmits 2 Sep 93

Note:

(P) designates a Primary Document according to page 21 of FFA
(S) designates a Secondary Document according to page 22 of FFA

ADDRESS COMMENTS	3-Jan-95	4-Mar-95	60.0	0
MAIL COMMENTS	4-Mar-95	11-Mar-95	7.0	0
PREPARE DRAFT/FINAL	4-Mar-95	3-May-95	60.0	0
SUBMIT DRAFT/FINAL	3-May-95	10-May-95	7.0	0
PP FINALIZED	10-May-95	9-Jun-95	30.0	0
PREPARE PUBLIC NOTICE	9-Jun-95	24-Jun-95	15.0	0
PUBLISH PUBLIC NOTICE	24-Jun-95	24-Jul-95	30.0	0
PUBLIC COMMENT PERIOD	24-Jul-95	7-Sep-95	45.0	0
PUBLIC MEETING	7-Aug-95	8-Aug-95	1.0	0
RESPONSIVENESS SUMMARY	7-Sep-95	7-Oct-95	30.0	0
RECORD OF DECISION	8-Aug-95	22-May-96	288.0	0
PREPARE DRAFT ROD	8-Aug-95	7-Sep-95	30.0	0
SUBMIT DRAFT ROD	7-Sep-95	14-Sep-95	7.0	0
AGENCY REVIEW	14-Sep-95	13-Dec-95	90.0	0
NAVY RECVS COMMENTS	13-Dec-95	20-Dec-95	7.0	0
ADDRESS COMMENTS	20-Dec-95	18-Feb-96	60.0	0
MAIL COMMENTS	18-Feb-96	25-Feb-96	7.0	0
PREPARE DRAFT/FINAL	18-Feb-96	18-Apr-96	60.0	0
SUBMIT DRAFT/FINAL	18-Apr-96	21-Apr-96	3.0	0
ROD FINALIZED	21-Apr-96	21-May-96	30.0	0
ROD SIGNATURE	21-May-96	22-May-96	1.0	0

TIME LINE Task Report

RI/FS OPERABLE UNIT #15: BAYOU GRANDE, PSC SITE 40; GROUP R:

Task Name	Start Date	End Date	Duratn (Days)	Pct Achvd
RI/FS	15-Dec-92	1-Sep-95	990.0	0
RI REPORT	15-Dec-92	10-JUG-95	907.0	0
SUBMIT DRFT WORKPLAN	15-Dec-92	22-Dec-92	7.0	0
AGENCY REVIEW	22-Dec-92	22-Mar-93	90.0	0
NAVY RCVS COMMENTS	22-Mar-93	29-Mar-93	7.0	0
ADDRESS COMMENTS	29-Mar-93	28-May-93	60.0	0
MAIL COMMENTS	28-May-93	4-Jun-93	7.0	0
PREPARE DRAFT/FINAL	28-May-93	27-Jul-93	60.0	0
SUBMIT DRAFT/FINAL	27-Jul-93	3-Aug-93	7.0	0
WORK PLAN FINALIZED	3-Aug-93	2-Sep-93	30.0	0
FIELD WORK, DATA RPT	2-Sep-93	24-Jul-94	325.0	0
PREPARE DFT RI RPT	24-Jul-94	22-Sep-94	60.0	0
SUBMIT DRAE'T RI RPT	22-Sep-94	29-Sep-94	7.0	0
AGENCY REVIEW	29-Sep-94	28-Dec-94	90.0	0
NAVY RECVS COMMENTS	28-Dec-94	4-Jan-95	7.0	0
ADDRESS COMMENTS	4-Jan-95	5-Mar-95	60.0	0
MAIL COMMENTS	5-Mar-95	12-Mar-95	7.0	0
PREPARE DRAFT/FINAL	5-Mar-95	4-May-95	60.0	0
SUBMIT DRAFT/FINAL	4-May-95	11-May-95	7.0	0
RI RPT FINALIZED	11-May-95	10-Jun-95	30.0	0
BASELINE RISK	26-Oct-93	10-Jun-95	592.0	0
PRBPARE DRFT BASELINE	26-Oct-93	22-Sep-94	331.0	0
SUBMIT DRAFT BASELINE	22-Sep-94	29-Sep-94	7.0	0
AGENCY REVIEW	29-Sep-94	28-Dec-94	90.0	0
NAVY RECVS COMMENTS	28-Dec-94	4-Jan-95	7.0	0
ADDRESS COMMENTS	4-Jan-95	5-Mar-95	60.0	0
MAIL COMMENTS	5-Mar-95	12-Mar-95	7.0	0
PREPARE DRAFT/FINAL	5-Mar-95	4-May-95	60.0	0
SUBMIT DRAFT/FINAL	4-May-95	11-May-95	7.0	0
BASELINE FINALIZED	11-May-95	10-Jun-95	30.0	0
FEASIBILITY STUDY	15-Oct-94	1-Sep-95	321.0	0
PREPARE DRAFT FS	15-Oct-94	14-Dec-94	60.0	0
SUBMIT DRAFT FS	14-Dec-94	21-Dec-94	7.0	0
AGENCY REVIEW	21-Dec-94	21-Mar-95	90.0	0
NAVY RECVS COMMENTS	21-Mar-95	28-Mar-95	7.0	0
ADDRESS COMMENTS	28-Mar-95	27-May-95	60.0	0
MAIL COMMENTS	27-May-95	3-Jun-95	7.0	0
PREPARE DRFT/FINAL	27-May-95	26-Jul-95	60.0	0
SUBMIT DRAFT/FINAL	26-Jul-95	2-Aug-95	7.0	0
FS RPT FINALIZED	2-Aug-95	1-Sep-95	30.0	0
PROPOSED PLAN (PP)	2-Aug-95	16-Oct-96	441.0	0
PREPARE PP	2-Aug-95	1-Oct-95	60.0	0
SUBMIT DRAFT PP	1-Oct-95	8-Oct-95	7.0	0
AGENCY REVIEW	8-Oct-95	6-Jan-96	90.0	0
NAVY RECVS COMMENTS	6-Jan-96	13-Jan-96	7.0	0

ADDRESS COMMENTS	13-Jan-96	13-Mar-96	60.0	0
MAIL COMMENTS	13-Mar-96	20-Mar-96	7.0	0
PREPARE DRAFT/FINAL	13-Mar-96	12-May-96	60.0	0
SUBMIT DRAFT/FINAL	12-May-96	19-May-96	7.0	0
PP FINALIZED	19-May-96	18-Jun-96	30.0	0
PREPARE PUBLIC NOTICE	18-Jun-96	3-Jul-96	15.0	0
PUBLISH PUBLIC NOTICE	3-Jul-96	2-Aug-96	30.0	0
PUBLIC COMMENT PERIOD	2-Aug-96	16-Sep-96	45.0	0
PUBLIC MEETING	16-Aug-96	17-Aug-96	1.0	0
RESPONSIVENESS SUMMARY	16-Sep-96	16-Oct-96	30.0	0
RECORD OF DECISION	17-Aug-96	3-Jun-97	288.0	0
PREPARE DRAFT ROD	17-Aug-96	16-Sep-96	30.0	0
SUBMIT DRAFT ROD	16-Sep-96	23-Sep-96	7.0	0
AGENCY REVIEW	23-Sep-96	22-Dec-96	90.0	0
NAVY RECVS COMMENTS	22-Dec-96	29-Dec-96	7.0	0
ADDRESS COMMENTS	29-Dec-96	28-Feb-97	60.0	0
MAIL COMMENTS	28-Feb-97	7-Mar-97	7.0	0
PREPARE DRAFT/FINAL	28-Feb-97	29-Apr-97	60.0	0
SUBMIT DRAFT/FINAL	29-Apr-97	2-May-97	3.0	0
ROD FINALIZED	2-May-97	2-Jun-97	30.0	0
ROD SIGNATURE	2-Jun-97	3-Jun-97	1.0	0

TIME LINE Task Report

**RI/FS OPERABLE UNIT 916: NAVAL AIR STATION PENSACOLA (NASP)
WETLANDS, PSC SITE 41: GROUP S:**

DESCRIPTION:

Fresh water swamp (wetlands) consists of naturally wooded areas, all or most of which are covered with water or are saturated throughout the year. The areas contain a mixture of soils and soil materials that vary in color, texture, compositions, and thickness of layers. In some places the surface materials resemble those of Rutledge and Plummer sand. In many places organic matter of a varying thickness accumulates in the surface soil. The largest and most typical areas of fresh water swamp are in the southwestern part of the county and extend across the western edge of NAS Pensacola.

1992 Primary Deliverables:

Due Date:

Draft RI/FS Workplan (P)
(Phase I)
Site Management Plan (Revised)

Navy transmits 22 Dec 92
Yearly update Sep 92

1992 Secondary Deliverables:

Target Date:

Quarterly Reports

Navy transmits on 10 Apr,
July, and Oct.

Projected Deliverables

Projected Date:

Draft/Final RI/FS Workplan (P)
(Phase I)
Final RI/FS Workplan (P)
(Phase I)

Navy transmits 3 Aug 93
Navy transmits 2 Sep 93

Note :

(P) designates a Primary Document according to page 21 of FFA
(S) designates a Secondary Document according to page 22 of FFA

RI/FS OPERABLE UNIT #16: NAVAL AIR STATION PENSACOLA (NASP)
WETLANDS. PSC SITE 41; GROUP S:

Task Name	Start Date	End Date	Duratn (Days)	Pct Achvd
RI/FS	15-Dec-92	1-Sep-95	990.0	0
RI REPORT	15-Dec-92	10-Jun-95	907.0	0
SUBMIT DRFT WORKPLAN	15-Dec-92	22-Dec-92	7.0	0
*AGENCY REVIEW	22-Dec-92	22-Mar-93	90.0	0
NAVY RCVS COMMENTS	22-Mar-93	29-Mar-93	7.0	0
ADDRESS COMMENTS	29-Mar-93	28-May-93	60.0	0
MAIL COMMENTS	28-May-93	4-Jun-93	7.0	0
PREPARE DRAFT/FINAL	28-May-93	27-Jul-93	60.0	0
SUBMIT DRAFT/FINAL	27-Jul-93	3-Aug-93	7.0	0
WORK PLAN FINALIZED	3-Aug-93	2-Sep-93	30.0	0
FIELD WORK, DATA RPT	2-Sep-93	24-Jul-94	325.0	0
PREPARE DFT RI RPT	24-Jul-94	22-Sep-94	60.0	0
SUBMIT DRAFT RI RPT	22-Sep-94	29-Sep-94	7.0	0
AGENCY REWIEW	29-Sep-94	28-Dec-94	90.0	0
NAVY RECVS COMMENTS	28-Dec-94	4-Jan-95	7.0	0
ADDRESS COMMENTS	4-Jan-95	5-Mar-95	60.0	0
MAIL COMMENTS	5-Mar-95	12-Mar-95	7.0	0
PREPARE DRAFT/FINAL	5-Mar-95	4-May-95	60.0	0
SUBMIT DRAFT/FINAL	4-May-95	11-May-95	7.0	0
RI RPT FINALIZED	11-May-95	10-Jun-95	30.0	0
BASELINE RISK	26-Oct-93	10-Jun-95	592.0	0
PREPARE DRFT BASELINE	26-Oct-93	22-Sep-94	331.0	0
SUBMIT DRAFT BASELINE	22-Sep-94	29-Sep-94	7.0	0
AGENCY REVIEW	29-Sep-94	28-Dec-94	90.0	0
NAVY RECVS COMMENTS	28-Dec-94	4-Jan-95	7.0	0
ADDRESS COMMENTS	4-Jan-95	5-Mar-95	60.0	0
MAIL COMMENTS	5-Mar-95	12-Mar-95	7.0	0
PREPARE DRAFT/FINAL	5-Mar-95	4-May-95	60.0	0
SUBMIT DRAFT/FINAL	4-May-95	11-May-95	7.0	0
BASELINE FINALIZED	11-May-95	10-Jun-95	30.0	0
FEASIBILITY STUDY	15-Oct-94	1-Sep-95	321.0	0
PREPARE DRAFT FS	15-Oct-94	14-Dec-94	60.0	0
SUBMIT DRAFT FS	14-Dec-94	21-Dec-94	7.0	0
AGENCY REVIEW	21-Dec-94	21-Mar-95	90.0	0
NAVY RECVS COMMENTS	21-Mar-95	28-Mar-95	7.0	0
ADDRESS COMMENTS	28-Mar-95	27-May-95	60.0	0
MAIL COMMENTS	27-May-95	3-Jun-95	7.0	0
PREPARE DRFT/FINAL	27-May-95	26-Jul-95	60.0	0
SUBMIT DRAFT/FINAL	26-Jul-95	2-Aug-95	7.0	0
FS RPT FINALIZED	2-Aug-95	1-Sep-95	30.0	0
PROPOSED PLAN (PP)	2-Aug-95	16-Oct-96	441.0	0
PREPARE PP	2-Aug-95	1-Oct-95	60.0	0
SUBMIT DRAFT PP	1-Oct-95	8-Oct-95	7.0	0
AGENCY REVIEW	8-Oct-95	6-Jan-96	90.0	0
NAVY RECVS COMMENTS	6-Jan-96	13-Jan-96	7.0	0

ADDRESS COMMENTS	13-Jan-96	13-Mar-96	60.0	0
MAIL COMMENTS	13-Mar-96	20-Mar-96	7.0	0
PREPARE DRAFT/FINAL	13-Mar-96	12-May-96	60.0	0
SUBMIT DRAFT/FINAL	12-May-96	19-May-96	7.0	0
PP FINALIZED	19-May-96	18-Jun-96	30.0	0
PREPARE PUBLIC NOTICE	18-Jun-96	3-Jul-96	15.0	0
PUBLISH PUBLIC NOTICE	3-Jul-96	2-Aug-96	30.0	0
PUBLIC COMMENT PERIOD	2-Aug-96	16-Sep-96	45.0	0
PUBLIC MEETING	16-Aug-96	17-Aug-96	1.0	0
RESPONSIVENESS SUMMARY	16-Sep-96	16-Oct-96	30.0	0
RECORD OF DECISION	17-Aug-96	3-Jun-97	288.0	0
PREPARE DRAFT ROD	17-Aug-96	16-Sep-96	30.0	0
SUBMIT DRAFT ROD	16-Sep-96	23-Sep-96	7.0	0
AGENCY REVIEW	23-Sep-96	22-Dec-96	90.0	0
NAVY RECVS COMMENTS	22-Dec-96	29-Dec-96	7.0	0
ADDRESS COMMENTS	29-Dec-96	28-Feb-97	60.0	0
MAIL COMMENTS	28-Feb-97	7-Mar-97	7.0	0
PREPARE DRAFT/FINAL	28-Feb-97	29-Apr-97	60.0	0
SUBMIT DRAFT/FINAL	29-Apr-97	2-May-97	3.0	0
ROD FINALIZED	2-May-97	2-Jun-97	30.0	0
ROD SIGNATURE	2-Jun-97	3-Jun-97	1.0	0

TIME LINE Task Report

SITE MANAGEMENT PLAN
NAVAL AIR STATION PENSACOLA
PENSACOLA, FLORIDA

31 MARCH 1992
PAGE 58 OF 59

RI/FS OPERABLE UNIT #17: PENSACOLA BAY AREA, PSC SITE 42; GROUP T:

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 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 the bays and the bayou. No perennial streams enter or exist the air station, but the marshy areas (wetlands) and their small lakes retain water throughout the year. Investigative activities are currently underway near this area.

1992 Primary Deliverables:

Due Date:

Draft RI/FS Workplan (P)
(Phase I)
Site Management Plan (Revised)

Navy transmits 22 Jul 92
Yearly update Sep 92

1992 Secondary Deliverables:

Target Date:

Quarterly Reports

Navy transmits on 10 Apr,
July, and Oct.

Projected Deliverables

Projected Date:

Draft/Final RI/FS Workplan (P)
(Phase I)
Final RI/FS Workplan (P)
(Phase I)

Navy transmits 3 Aug 93
Navy transmits 2 Sep 93

Note:

(P) designates a Primary Document according to page 21 of FFA
(S) designates a Secondary Document according to page 22 of FFA

SITE MANAGEMENT PLAN
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, FLORIDA

31 MARCH 1992
 PAGE 59 OF 59

RI/FS OPERABLE UNIT #17: PENSACOLA BAY AREA. PSC SITE 42: GROUP T:

Task Name	Start Date	End Date	Duratn (Days)	Pct Achvd
RI/FS	15-Dec-92	1-Sep-95	990.0	0
RI REPORT	15-Dec-92	10-Jun-95	907.0	0
SUBMIT DRFT WORKPLAN	15-Dec-92	22-Dec-92	7.0	0
AGENCY REVIEW	22-Dec-92	22-Mar-93	90.0	0
NAVY RCVS COMMENTS	22-Mar-93	29-Mar-93	7.0	0
ADDRESS COMMENTS	29-Mar-93	28-May-93	60.0	0
MAIL COMMENTS	28-May-93	4-Jun-93	7.0	0
PREPARE DRAFT/FINAL	28-May-93	27-Jul-93	60.0	0
-SUBMIT DRAFT/FINAL	27-Jul-93	3-Aug-93	7.0	0
WORK PLAN FINALIZED	3-Aug-93	2-Sep-93	30.0	0
FIELD WORK, DATA RPT	2-Sep-93	24-Jul-94	325.0	0
PREPARE DFT RI RPT	24-Jul-94	22-Sep-94	60.0	0
SUBMIT DRAFT RI RPT	22-Sep-94	29-Sep-94	7.0	0
AGENCY REVIEW	29-Sep-94	28-Dec-94	90.0	0
NAVY RECVS COMMENTS	28-Dec-94	4-Jan-95	7.0	0
ADDRESS COMMENTS	4-Jan-95	5-Mar-95	60.0	0
MAIL COMMENTS	5-Mar-95	12-Mar-95	7.0	0
PREPARE DRAFT/FINAL	5-Mar-95	4-May-95	60.0	0
SUBMIT DRAFT/FINAL	4-May-95	11-May-95	7.0	0
RI RPT FINALIZED	11-May-95	10-Jun-95	30.0	0
BASELINE RISK	26-Oct-93	10-Jun-95	592.0	0
PREPARE DRFT BASELINE	26-Oct-93	22-Sep-94	331.0	0
SUBMIT DRAFT BASELINE	22-Sep-94	29-Sep-94	7.0	0
AGENCY REVIEW	29-Sep-94	28-Dec-94	90.0	0
NAVY RECVS COMMENTS	28-Dec-94	4-Jan-95	7.0	0
ADDRESS COMMENTS	4-Jan-95	5-Mar-95	60.0	0
MAIL COMMENTS	5-Mar-95	12-Mar-95	7.0	0
PREPARE DRAFT/FINAL	5-Mar-95	4-May-95	60.0	0
SUBMIT DRAFT/FINAL	4-May-95	11-May-95	7.0	0
BASELINE FINALIZED	11-May-95	10-Jun-95	30.0	0
FEASIBILITY STUDY	15-Oct-94	1-Sep-95	321.0	0
PREPARE DRAFT FS	15-Oct-94	14-Dec-94	60.0	0
SUBMIT DRAFT FS	14-Dec-94	21-Dec-94	7.0	0
AGENCY REVIEW	21-Dec-94	21-Mar-95	90.0	0
NAW RECVS COMMENTS	21-Mar-95	28-Mar-95	7.0	0
ADDRESS COMMENTS	28-Mar-95	27-May-95	60.0	0
MAIL COMMENTS	27-May-95	3-Jun-95	7.0	0
PREPARE DRFT/FINAL	27-May-95	26-Jul-95	60.0	0
SUBMIT DRAFT/FINAL	26-Jul-95	2-Aug-95	7.0	0
FS RPT FINALIZED	2-Aug-95	1-Sep-95	30.0	0
PROPOSED PLAN (PP)	2-Aug-95	16-Oct-96	441.0	0
PREPARE PP	2-Aug-95	1-Oct-95	60.0	0
SUBMIT DRAFT PP	1-Oct-95	8-Oct-95	7.0	0
AGENCY REVIEW	8-Oct-95	6-Jan-96	90.0	0
NAVY RECVS COMMENTS	6-Jan-96	13-Jan-96	7.0	0

ADDRESS COMMENTS	13-Jan-96	13-Mar-96	60.0	0
MAIL COMMENTS	13-Mar-96	20-Mar-96	7.0	0
PREPARE DRAFT/FINAL	13-Mar-96	12-May-96	60.0	0
SUBMIT DRAFT/FINAL	12-May-96	19-May-96	7.0	0
PP FINALIZED	19-May-96	18-Jun-96	30.0	0
PREPARE PUBLIC NOTICE	18-Jun-96	3-Jul-96	15.0	0
PUBLISH PUBLIC NOTICE	3-Jul-96	2-Aug-96	30.0	0
PUBLIC COMMENT PERIOD	2-Aug-96	16-Sep-96	45.0	0
PUBLIC MEETING	16-Aug-96	17-Aug-96	1.0	0
RESPONSIVENESS <i>SUMMARY</i>	16-Sep-96	16-Oct-96	30.0	0
RECORD OF DECISION	17-Aug-96	3-Jun-97	288.0	0
PREPARE DRAFT ROD	17-Aug-96	16-Sep-96	30.0	0
SUBMIT DRAFT ROD	16-Sep-96	23-Sep-96	7.0	0
AGENCY REVIEW	23-Sep-96	22-Dec-96	90.0	0
NAVY RECVS COMMENTS	22-Dec-96	29-Dec-96	7.0	0
ADDRESS COMMENTS	29-Dec-96	28-Feb-97	60.0	0
MAIL COMMENTS	28-Feb-97	7-Mar-97	7.0	0
PREPARE DRAFT/FINAL	28-Feb-97	29-Apr-97	60.0	0
SUBMIT DRAFT/FINAL	29-Apr-97	2-May-97	3.0	0
ROD FINALIZED	2-May-97	2-Jun-97	30.0	0
ROD SIGNATURE	2-Jun-97	3-Jun-97	1.0	0

TIME LINE Task Report

NAVAL AIR STATION PENSACOLA
PENSACOLA, FLORIDA

INFORMAL EXPEDITED SCHEDULES
FOR THE
INSTALLATION RESTORATION PROGRAM

MARCH 31, 1992
ACCOMPANIES THE FY1992 SMP REVISION 3

Prepared By:
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
P.O. Box 10068
Charleston, South Carolina 29411-0068

Enclosure (2)

Schedule Name : *Batch 1: OU 1-5 NAS PENSACOLA SMP SCHEDULE
 Responsible : *Ms. S. Sanborn
 As-of Date : 3/31/92 Schedule File : *EXP1

Task Name	Start Date	End Date	Duratn (Days)
RI/FS WORK PLAN	16-Oct-91	9-Jun-92	237.0
SUBMIT DRAFT WORK PLAN	16-Oct-91	17-Oct-91	1.0
AGENCY REVIEW	17-Oct-91	23-Feb-92	129.0
RESPONSE TO COMMENTS	24-Feb-92	10-Apr-92	46.0
DRAFT FINAL WORK PLAN	10-Apr-92	25-May-92	45.0
FINAL RI/FS WORK PLAN	25-May-92	9-Jun-92	15.0
POA, NEGOTIATION, AWARD	9-Jun-92	9-Jul-92	30.0
FIELD WORK START	9-Jul-92	10-Jul-92	1.0
FIELD WORK COMPLETE	10-Jul-92	7-Mar-93	240.0
RI/FS REPORT	7-Mar-93	15-Feb-94	345.0
DATA ASSESSMENT COMPLETE	7-Mar-93	5-Jul-93	120.0
DRAFT RI/FS REPORT	5-Jul-93	3-Oct-93	90.0
AGENCY REVIEW	3-Oct-93	2-Nov-93	30.0
RESPONSE TO COMMENT	2-Nov-93	17-Dec-93	45.0
DRAFT FINAL RI/FS REPORT	17-Dec-93	31-Jan-94	45.0
FINAL RI/FS REPORT	31-Jan-94	15-Feb-94	15.0
PROPOSED PLAN	17-Dec-93	13-Mar-94	86.0
DRAFT PROPOSED PLAN	17-Dec-93	16-Jan-94	30.0
RECEIVE PP REVIEW COMMENTS	16-Jan-94	6-Feb-94	21.0
DRAFT FINAL PROPOSED PLAN	6-Feb-94	27-Feb-94	21.0
FINAL PROPOSED PLAN	27-Feb-94	13-Mar-94	14.0
PUBLIC NOTICE	27-Feb-94	27-Apr-94	59.0
PUBLIC NOTICE	27-Feb-94	13-Mar-94	14.0
COMMENT PERIOD BEGINS	13-Mar-94	13-Mar-94	0.0
PUBLIC MEETING	13-Mar-94	27-Mar-94	14.0
END OF COMMENT PERIOD	13-Mar-94	27-Apr-94	45.0
RECORD OF DECISION	27-Mar-94	1-Jul-94	96.0
DRAFT RECORD OF DECISION	27-Mar-94	17-Apr-94	21.0
DRAFT RESPONSIVENESS SUMMARY	17-Apr-94	17-May-94	30.0
DRAFT FINAL ROD	17-May-94	16-Jun-94	30.0
FINAL ROD	16-Jun-94	1-Jul-94	15.0

TIME LINE Task Report

Schedule Name : *Batch 2: OU 6-9 NAS PENSACOLA SMP SCHEDULE
 Responsible : *Ms. S. Sanborn
 As-of Date : 3/31/92 Schedule File : *EXP2

Task Name	Start Date	End Date	Duratn (Days)
RI/FS WORK PLAN	10-Apr-92	30-Aug-92	142.0
SUBMIT DRET DATA RPT	10-Apr-92	17-Apr-92	7.0
AGENCY REVIEW	17-Apr-92	17-May-92	30.0
RESPONSE TO COMMENTS	17-May-92	1-Jul-92	45.0
DRAFT FINAL WORK PLAN	1-Jul-92	15-Aug-92	45.0
FINAL RI/FS WORK PLAN	15-Aug-92	30-Aug-92	15.0
POA, NEGOTIATION, AWARD	30-Aug-92	29-Sep-92	30.0
FIELD WORK START	29-Sep-92	30-Sep-92	1.0
FIELD WORK COMPLETE	30-Sep-92	28-May-93	240.0
RI/FS REPORT	28-May-93	8-May-94	345.0
DATA ASSESSMENT COMPLETE	28-May-93	25-Sep-93	120.0
DRAFT RI/FS REPORT	25-Sep-93	24-Dec-93	90.0
AGENCY REVIEW	24-Dec-93	23-Jan-94	30.0
RESPONSE TO COMMENT	23-Jan-94	9-Mar-94	45.0
DRAFT FINAL RI/FS REPORT	9-Mar-94	23-Apr-94	45.0
FINAL RI/FS REPORT	23-Apr-94	8-May-94	15.0
PROPOSED PLAN	9-Mar-94	3-Jun-94	86.0
DRAFT PROPOSED PLAN	9-Mar-94	8-Apr-94	30.0
RECEIVE PP REVIEW COMMENTS	8-Apr-94	29-Apr-94	21.0
DRAFT FINAL PROPOSED PLAN	29-Apr-94	20-May-94	21.0
FINAL PROPOSED PLAN	20-May-94	3-Jun-94	14.0
PUBLIC NOTICE	20-May-94	18-Jul-94	59.0
PUBLIC NOTICE	20-May-94	3-Jun-94	14.0
COMMENT PERIOD BEGINS	3-Jun-94	3-Jun-94	0.0
PUBLIC MEETING	3-Jun-94	17-Jun-94	14.0
END OF COMMENT PERIOD	3-Jun-94	18-Jul-94	45.0
RECORD OF DECISION	17-Jun-94	21-Sep-94	96.0
DRAFT RECORD OF DECISION	17-Jun-94	8-Jul-94	21.0
DRAFT RESPONSIVENESS SUMMARY	8-Jul-94	7-Aug-94	30.0
DRAFT FINAL ROD	7-Aug-94	6-Sep-94	30.0
FINAL ROD	6-Sep-94	21-Sep-94	15.0

TIME LINE Task Report

Schedule Name : *Batch 3: OU 10 NAS PENSACOLA SMP SCHEDULE
 Responsible : *Ms. S. Sanborn
 As-of Date : 3/31/92 Schedule File : *EXP3

Task Name	Start Date	End Date	Duratn (Days)
RI/FS WORK PLAN	13-Feb-92	29-May-92	106.0
RESUBMIT FINAL WKPL	13-Feb-92	30-Mar-92	46.0
REQUEST FOR EXTENSION	30-Mar-92	29-May-92	60.0
POA, NEGOTIATION, AWARD	29-May-92	28-Jun-92	30.0
FIELD WORK START	28-Jun-92	29-Jun-92	1.0
FIELD WORK COMPLETE	29-Jun-92	29-Oct-92	122.0
RI/FS REPORT	29-Oct-92	9-Oct-93	345.0
DATA ASSESSMENT COMPLETE	29-Oct-92	26-Feb-93	120.0
DRAFT RI/FS REPORT	26-Feb-93	27-May-93	90.0
AGENCY REVIEW	27-May-93	26-Jun-93	30.0
RESPONSE TO COMMENT	26-Jun-93	10-Aug-93	45.0
DRAFT FINAL RI/FS REPORT	10-Aug-93	24-Sep-93	45.0
FINAL RI/FS REPORT	24-Sep-93	9-Oct-93	15.0
PROPOSED PLAN	10-Aug-93	4-Nov-93	86.0
DRAFT PROPOSED PLAN	10-Aug-93	9-Sep-93	30.0
RECEIVE PP REVIEW COMMENTS	9-Sep-93	30-Sep-93	21.0
DRAFT FINAL PROPOSED PLAN	30-Sep-93	21-Oct-93	21.0
FINAL PROPOSED PLAN	21-Oct-93	4-Nov-93	14.0
PUBLIC NOTICE	21-Oct-93	19-Dec-93	59.0
PUBLIC NOTICE	21-Oct-93	4-Nov-93	14.0
COMMENT PERIOD BEGINS	4-Nov-93	4-Nov-93	0.0
PUBLIC MEETING	4-Nov-93	18-Nov-93	14.0
END OF COMMENT PERIOD	4-Nov-93	19-Dec-93	45.0
RECORD OF DECISION	18-Nov-93	22-Feb-94	96.0
DRAFT RECORD OF DECISION	18-Nov-93	9-Dec-93	21.0
DRAFT RESPONSIVENESS SUMMARY	9-Dec-93	8-Jan-94	30.0
DRAFT FINAL ROD	8-Jan-94	7-Feb-94	30.0
FINAL ROD	7-Feb-94	22-Feb-94	15.0

TIME LINE Task Report

Schedule Name : *Batch 4: OU 11-14 NAS PENSACOLA SMP SCHEDULE
 Responsible : *Ms. S. Sanborn
 As-of Date : 3/31/92 Schedule File : *EXP4

Task Name	Start Date	End Date	Duratn (Days)
RI/FS WORK PLAN	15-Sep-91	9-Jun-92	268.0
SUBMIT DRAFT WORK PLAN	15-Sep-91	16-Sep-91	1.0
AGENCY REVIEW	22-Sep-91	7-Feb-92	138.0
RESPONSE TO COMMENTS	10-Feb-92	10-Apr-92	60.0
DRAFT FINAL WORK PLAN	10-Apr-92	25-May-92	45.0
FINAL RI/FS WORK PLAN	25-May-92	9-Jun-92	15.0
POA, NEGOTIATION, AWARD	9-Jun-92	9-Jul-92	30.0
FIELD WORK START	9-Jul-92	10-Jul-92	1.0
FIELD WORK COMPLETE	10-Jul-92	1-Apr-93	265.0
RI/FS REPORT	1-Apr-93	12-Mar-94	345.0
DATA ASSESSMENT COMPLETE	1-Apr-93	30-Jul-93	120.0
DRAFT RI/FS REPORT	30-Jul-93	28-Oct-93	90.0
AGENCY REVIEW	28-Oct-93	27-Nov-93	30.0
RESPONSE TO COMMENT	27-Nov-93	11-Jan-94	45.0
DRAFT FINAL RI/FS REPORT	11-Jan-94	25-Feb-94	45.0
FINAL RI/FS REPORT	25-Feb-94	12-Mar-94	15.0
PROPOSED PLAN	11-Jan-94	7-Apr-94	86.0
DRAFT PROPOSED PLAN	11-Jan-94	10-Feb-94	30.0
RECEIVE PP REVIEW COMMENTS	10-Feb-94	3-Mar-94	21.0
DRAFT FINAL PROPOSED PLAN	3-Mar-94	24-Mar-94	21.0
FINAL PROPOSED PLAN	24-Mar-94	7-Apr-94	14.0
PUBLIC NOTICE	24-Mar-94	22-May-94	59.0
PUBLIC NOTICE	24-Mar-94	7-Apr-94	14.0
COMMENT PERIOD BEGINS	7-Apr-94	7-Apr-94	0.0
PUBLIC MEETING	7-Apr-94	21-Apr-94	14.0
END OF COMMENT PERIOD	7-Apr-94	22-May-94	45.0
RECORD OF DECISION	21-Apr-94	26-Jul-94	96.0
DRAFT RECORD OF DECISION	21-Apr-94	12-May-94	21.0
DRAFT RESPONSIVENESS SUMMARY	12-May-94	11-Jun-94	30.0
DRAFT FINAL ROD	11-Jun-94	11-Jul-94	30.0
FINAL ROD	11-Jul-94	26-Jul-94	15.0

TIME LINE Task Report

Schedule Name : *Batch 5: OU 15-17 NAS PENSACOLA SMP SCHEDULE
 Responsible : *Ms. S. Sanborn
 As-of Date : 3/31/92 Schedule File : *EXP5

Task Name	Start Date	End Date	Duratr (Days)
RI/FS WORK PLAN	20-Dec-92	20-May-93	151.0
SUBMIT DRAFT WORK PLAN	20-Dec-92	21-Dec-92	1.0
AGENCY REVIEW	21-Dec-92	20-Jan-93	30.0
RESPONSE TO COMMENTS	20-Jan-93	21-Mar-93	60.0
DRAFT FINAL WORK PLAN	21-Mar-93	5-May-93	45.0
FINAL RI/FS WORK PLAN	5-May-93	20-May-93	15.0
POA, NEGOTIATION, AWARD	20-May-93	19-Jun-93	30.0
FIELD WORK START	19-Jun-93	20-Jun-93	1.0
FIELD WORK COMPLETE	20-Jun-93	12-Mar-94	265.0
RI/FS REPORT	12-Mar-94	20-Feb-95	345.0
DATA ASSESSMENT COMPLETE	12-Mar-94	10-Jul-94	120.0
DRAFT RI/FS REPORT	10-Jul-94	8-Oct-94	90.0
AGENCY REVIEW	8-Oct-94	7-Nov-94	30.0
RESPONSE TO COMMENT	7-NOV-94	22-Dec-94	45.0
DRAFT FINAL RI/FS REPORT	22-Dec-94	5-Feb-95	45.0
FINAL RI/FS REPORT	5-Feb-95	20-Feb-95	15.0
PROPOSED PLAN	22-Dec-94	18-Mar-95	86.0
DRAFT PROPOSED PLAN	22-Dec-94	21-Jan-95	30.0
RECEIVE PP REVIEW COMMENTS	21-Jan-95	11-Feb-95	21.0
DRAFT FINAL PROPOSED PLAN	11-Feb-95	4-Mar-95	21.0
FINAL PROPOSED PLAN	4-Mar-95	18-Mar-95	14.0
PUBLIC NOTICE	4-Mar-95	2-May-95	59.0
PUBLIC NOTICE	4-Mar-95	18-Mar-95	14.0
COMMENT PERIOD BEGINS	18-Mar-95	18-Mar-95	0.0
PUBLIC MEETING	18-Mar-95	1-Apr-95	14.0
END OF COMMENT PERIOD	18-Mar-95	2-May-95	45.0
RECORD OF DECISION	1-Apr-95	6-Jul-95	96.0
DRAFT RECORD OF DECISION	1-Apr-95	22-Apr-95	21.0
DRAFT RESPONSIVENESS SUMMARY	22-Apr-95	22-May-95	30.0
DRAFT FINAL ROD	22-May-95	21-Jun-95	30.0
FINAL ROD	21-Jun-95	6-Jul-95	15.0

TIME LINE Task Report

1057000

THE NAVY'S RESPONSES TO EPA TECHNICAL REVIEW COMMENTS
DATED 1/08/92
ON THE DRAFT FINAL FY92 SITE MANAGEMENT PLAN (SMP)
FOR THE NAVAL AIR STATION PENSACOLA

PRIMARY COMMENTS (-5) :

1. EPA COMMENT: EPA approval of the FY92 Site Management Plan (SMP) is contingent upon the Navy's acceptance of the following Primary comments:

a. Page 11: 'The Project Deliverables Schedule for OU1 is still out of order. 'The correct order of transmittal for the documents listed in accordance with the NCP **is**:

- i) Remedial Investigation/(Baseline) Risk Assessment
- ii) Feasibility Study (FS)
- iii) Proposed Plan (PP)

(Note: For non-controversial remedial alternatives the Navy should consider development and submittal of the FS and PP simultaneously to save costs and expedite the review and approval process.)

NAVY RESPONSE: The Navy has corrected the order of submittals, however, concerning the note, the Navy intends to expedite the RI/FS process as provided in the Informal Expedited Schedules in these schedules were agreed upon by all FFA parties on May 7, 1991.

2. EPA COMMENT: The (Baseline) Risk Assessment, as per Section VIII.C.1.d. of the FFA, and as defined in 40 CFR 300.430 (d)(4) is a Primary document pertaining to risk in accordance with the NCP whenever it is submitted separately rather than with the RI Report. Please correct as necessary.

NAVY RESPONSE: The Baseline Risk Assessment will be submitted with the RI Report, therefore, it will be a secondary document. Also, the Navy has yet to receive the EPA letter with their original copies of the FFA; EPA should take note that the Navy and FDER have different copies of the FFA which are also official copies than EPA's copy.

3. EPA COMMENT; Page 12: The dates provided for submittal, review and revision of the Feasibility Study are clearly incorrect. **Please revise these dates** in accordance with EPA's previous comment #13 **pertaining** to scheduling of the FS. This correction is applicable to all Operable Units, as appropriate.

NAVY RESPONSE: The Navy has made the revisions to the Feasibility Study dates.

Enclosure (3)

Continued: EPA Comments/Navy Responses

4. EPA COMMENT: Page 69: All efforts should be made to have the formal start dates for OUs 15-17 moved forward. As is evident from examining the currently-scheduled submittal dates for Draft RI/FS Workplans, such an action would not preclude a staggered schedule:

<u>OU</u>		<u>Current Draft RI/FS Workplan Schedule</u>
10		June 22, 1991
11-14	(+3 mos. =)	September 22, 1991
1-5	(+1 mo. =)	October 17, 1991
6-9	(+6 mos. =)	April 17, 1991
15-17	(+8 mos. =)	December 12, 1992

EPA recommends that the workplans for OUs 15-17 be submitted as soon as possible after submittal of the workplans for OUs 6-9. EPA will provide any assistance necessary to accomplish the acceleration of the current schedule.

NAVY RESPONSE: Per our discussions during the RPM meeting on January 13-14, 1992, we decided to develop a comprehensive data result report to be used during the scoping meeting for the development of the Statement of Work for OUs 15-17 workplans/fieldwork. We agreed to allow the Phase II field results for OU 1-5 and OU 6-9 to be used in this planning process which meant that the OU 15-17 draft workplans would be submitted on but no earlier than December 12, 1992, only if the use of the comprehensive data result report and scoping meeting were proved to be successful and effective. The fieldwork, however, would not start until calendar year 1993 as shown in the SMP. These schedules are subject to change based on EPA, FDER, Natural Resource Trustees and other TRC reviews and comments of the required delivered documents.

5. EPA COMMENT: In any case where the intent of the Federal Facility Agreement is questioned the NCP requirements shall prevail where applicable.

NAVY RESPONSE: Comment so noted.

In addition to the above changes, the Navy has deleted the Gantt Charts since EPA does not use or need these charts and per EPA agreement during the RPM meeting.

10/1/92

Continued: EPA Comments/Navy Responses

SECONDARY COMMENTS WHICH MUST BE RESOLVED BY MARCH 1, 1992, AND PRIOR TO THE APPROVAL OF SUBSEQUENT SMPS:

1. EPA COMMENT: Page 2, paragraph 2: The ninth line of this paragraph should begin: "have been grouped".

NAVY RESPONSE: Suggested revision has been made.

2. EPA COMMENT: Page 3, Table 1-1: The information included in this table should be ordered in such a way that it reflects the RI/FS schedules contained in the rest of the SMP. Specifically, since the batch number reflects the relative time at which the RI/FS will begin for a given PSC, PSCs should be arranged in order of increasing batch number in this table. Since, the RI/FS process is Operable Unit-specific, the OU number should be the second sorting factor, and the PSC number should be the third sorting factor.

A portion of the information corresponding to PSC 14 is offset to the right.

NAVY RESPONSE: We have changed/rearranged and even at one time deleted this table to please previous EPA comments, we feel the table, as it is, serves its intended purpose. Also, EPA stated in the January 13, 1992 RPM meeting that they had this information on spreadsheet and that they could and would rearrange this provided table according to their needs. Therefore, no changes are made to the table.

3. EPA COMMENT: Page 6, paragraph 1: Please replace the sentence in this paragraph as requested in EPA's comment #3 on Draft 1992 SMP. Formal Interim data reports shall not be prepared, since these represent an unnecessary delay in the RI process. Decisions as to how the investigation shall proceed will be made through less formal presentation and examination of the data (for example: through the use of brief technical reports updating investigatory progress/results, summary tables, and figures, etc) and/or discussions at project manager's meetings.

NAVY RESPONSE: Based on the RPM meeting of January 13, 1992, these documents are useful and will be used during the development of the OU 15-17 Draft Workplans and the development of the comprehensive data result report. These documents are developed for the TRC and the Navy's requirement to fulfill TRC requirements/documentation as well as for the RPMs. We understand that EPA has chosen not to review these secondary documents; however, the Navy does not understand how EPA can technically make a decision or suggestion/recommendations on further Workplans/fieldwork required without reviewing these feeder documents. The Navy has agreed to submit these documents earlier (when they are first submitted to the Navy) with EPA's

Continued: EPA Comment/Navy Responses

understanding and agreement that the Navy has not had a QA/QC review. Therefore, as agreed, these documents will be developed. The Navy did agree to provide technical brief reports as they are available in order to keep EPA and FDER updated with the investigative progress and results. Therefore, some changes were made to the paragraph to reflect these agreements.

4. EPA COMMENT: Page 8: The table requested in EPA's comment #10 on the Draft SMP will serve a useful purpose and must be included. While it is true that all the information requested for this table is contained in the SMP, this information is scattered throughout 75 pages of text and tables. The purpose of this table is to consolidate information on significant milestone in the RI/FS process for all PSCs into a single location. In short, the table will facilitate the tracking process.

NAVY COMMENT: In short, this table changes so much, especially when extensions are requested and schedules are changed; in addition, EPA and FDER have both agreed to decrease the number of pages, and then show only the required information in the SMP. This table is not necessary, and during the January 13, 1992, EPA stated that they have this information on spreadsheet and will use their spreadsheet according to their internal needs. Therefore, the Navy will not developed this requested table.

5. EPA COMMENT: Page 9: A Generic Schedule must precede the OU-specific schedules. It is redundant to list the Quarterly Report and SMP Schedules in each OU schedule, and these documents are not OU-specific. Submittal dates and review/revision schedules for all other generic documents, such as the QAPP, must also be included in this schedule. With regards to the CRP, our records indicate that while a Draft Final version of this document has been submitted to this office, formal approval of the document has not yet been made. EPA anticipates submitting comments on this document to the Navy within the next several weeks.

NAVY RESPONSE: The Navy will provide a generic schedule for those documents (i.e., Yearly Updated SMP, Quarterly Report, and any revisions to QAPP, HSP, CRP and other documents) in the 1993 draft SMP submittal. The Navy would like to receive EPA's comments on the CRP, QAPP, HSP, PMP, E&E SMP, and the PVC vs Stainless Steel Report, and Group L Draft Workplan for Phase I within the next three weeks. These documents were submitted prior to December of 1991.

6. EPA COMMENT: Page 10, paragraph 1: Both the grammar and content of the prioritization rationale included here is confusing. EPA suggests the following rewrite: "PSC 1 was identified prior to preparation of the IAS report in 19—. The site was given a very high investigative priority relative to other PSCs identified at this time. This high priority was due to the suspected magnitude

Continued: EPA Comment/Navy Responses

and toxicity of contamination, the potential for off-site migration of contaminants via several pathways, and the potential for human exposure."

A similar statement prioritization rationale should be included for each Operable Unit on the SMP. Presumably, this rationale has already been determined. It should therefore not be difficult to include.

NAVY RESPONSE: The Navy will provide the suggested rewrite, and a similar brief statement for prioritization rationale for the other OUs.

7. EPA COMMENT: Page 12: The following deficiencies were noted:

a) As was stated in our previous comment 13, if it is impracticable to provide an OU-specific time period for field work, this should be indicated in the schedule (i.e., through means of a foot-note, etc.).

Furthermore, if the schedules provided must be batch-rather than OU-specific, why not provide a single schedule, and a listing of primary, secondary, and projected deliverables, for each batch of PSCs. In its present form, the SMP contains numerous identical schedules which only serve to increase the thickness of the document.

b) The schedule must be expanded to show submittal, review and revision schedules for the proposed plan and the ROD.

Some or all of the above comments are applicable to the schedules for remaining Operable Units.

NAVY RESPONSE: The Navy will provide a batch-specific schedule, rather than a OU-specific schedule and will provide a footnote to reflect this change. Also, the Navy will expand the schedules to show review and revision schedules for the proposed plan and the ROD.

8. EPA COMMENT: Page 50: EPA's original comment #15 stands. 385 **days** for field work at OU 10 is excessive and must be reduced.

If 45 days is the time **needed** to prepare and publish the public notice, then this period must overlap with the preparation and review period for the Draft Final Proposed Plan. EPA recommends that work begin on the Public Notice the day after the Draft Final Proposed Plan is submitted for review. This comment is applicable to all Operable Units. Also, two weeks is excessive for preparation of a public notice. Our office can provide additional guidance and assistance on this.

Continued: EPA Comments/Navy Responses

NAVY RESPONSE: The Navy will decrease the amount of time needed to accomplish all field work tasks for OU 10. In addition, the Navy shall reflect **45** days for all of the SOUTH DIV NPL activities in order to prepare and publish the public notice. The Navy has provided informal expedited schedules as appropriate and per the Navy's agreement during the **May 7, 1991** meeting in Atlanta, Georgia.

IS:

9. EPA COMMENT: General Comment: EPA understands the Navy's decision to investigate a large number of sites simultaneously (i.e. in Batches). Clearly, this is a significant cost-saving measure which could potentially shorten the overall length of the field investigation by eliminating the delays associated with mobilization and demobilization.

However, the unavoidable result of choosing to investigate a large number of sites simultaneously, is to significantly lengthen the RI/FS process for individual sites. For example, "**batching**" a PSC believed to consist of a limited area of soil contamination with 7 other sites is likely to increase the time required to complete the RI/FS process for that relatively smaller site at least several **fold**.

Clearly, the PSC groupings must be carefully planned if the RI/FS is to be completed in a cost-effective and timely manner for the individual, PSC. As was stated in our earlier comment **#17**, it is the latter goal. For this reason, the present PSC grouping rationales must be re-examined and justified in greater detail, to determine whether a better balance between these two goals can be achieved.

According to page 7 of the SMP, 12 factors were used to establish investigative priorities and PSC groupings. Factors 9 through 12 are primarily concerned with potential threat to human health and the environment and thus pertain more to prioritization. Factors **1** through **8** provide the grouping rationales. These can be restated as follows:

1. Contaminant Type
2. Affected (contaminated) Media
3. Vertical and Lateral Extent of Contamination

These factors will, in turn, determine:

4. Scope/Complexity/Method of Investigation
5. Remedial Action

Continued: **EPA** Comments/Navy Responses

Clearly, similarities in factors 1-3, and thus 4-5, for individual PSCs, must drive the PSC grouping process. Geographic proximity should be used only as a last resort, if little or no information about factors 1-3 is known. The following are some specific recommendations:

PSCs which are likely to require extensive investigation of several media (such as large landfills), should not be grouped with smaller, high priority PSCs which are likely to require a shorter, less complex, period of investigation.

If several **PSCs** are likely to display similar contamination of the same media, then these PSCs should be grouped together in anticipation that similar investigatory methods will be employed, and a similar remedial action may be proposed for the entire group in a single ROD. (The present Operable Units 14 (**PSC** sites) and 4 (pesticide sites) are good examples of this approach).

If the grouping of a large number of sites is unavoidable, the information and data on these sites must be evaluated as it becomes available to determine whether a subdivision of the group at some point will allow the RI/FS of a portion of the sites to be brought to a more rapid conclusion.

Only after the grouping process is complete, should the prioritization factors be used to determine the order in which group investigation will proceed. In summary, your response to this comment must include the following:

A) A clearly thought out statement of the rationale behind the designation of each Operable Unit. Specifically, an adequate justification for this designation shall include an evaluation of all PSCs included in the Operable Unit with respect to grouping factors 1-3 (and implicitly 4-5) listed above.

B) A clearly thought out statement of the reasons for placing individual OUs in the same batch. A rationale similar to that required in "**A**" must be provided as justification for combining groups into batches.

NAVY RESPONSE: Concerning your comment **A**, the Navy has provided for each OU in previous SMPs a statement of rationale for prioritization and the designations for each of the OUs. This was done due to previous EPA comments. Also, most of the designation information as well as an evaluation of all PSCs has been included in earlier reports (i.e., IAS, VS, CS, ESI, Phase I & II Workplan, etc.). In addition, future SMPs will contain only the required and necessary information to track the schedule of sites as they proceed in the IR program. The Navy suggest that **EPA** clearly provide thought out comments. **Also**, Sites 1 and Site 36 have and will be investigated separately from other sites and are not grouped with any smaller sites.

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Concerning your comment B, the Navy has clearly thought out the reasons for placing individual OUs into batches (i.e., grouping pesticide sites, POL sites, less contaminated sites, etc.). This rationale was provided in Navy's response to an earlier EPA comment. We explained to EPA that sites were arranged and grouped according to their length in the program and the worst-first sites as well as other reasons. A detail explanation was given to EPA. We suggest that EPA check and review earlier Navy responses. In addition, EPA and FDER were part of the decision-making process when the sites were organized and arranged into groups and batches prior to the development and the signing of the FFA. The Navy did not haphazardly place sites together, we have explained our rationale to EPA continuously (i.e., RPM meeting of July 30, 1991-review minutes meeting). In addition, as investigative information is available on sites, we feel that sites will begin to be grouped differently (i.e., Site 13 and OU 10 sites).

10. EPA COMMENT: General Comment: The field schedules for batches must be arranged so that the completion of field investigations, and submittal of RI/FS reports for individual Operable Units is staggered, or offset, to the maximum extent possible. A strategy must be developed whereby certain Operable Units are targeted for early completion of the field work. This shall be done to avoid the difficult task of preparing decision documents and holding public comment periods, simultaneously, for numerous Operable Units, except in those cases where it may be workable and expedient to do so.

Furthermore, unless the number of documents submitted simultaneously for review is considerably reduced in the future, EPA may need to extend its review period under the Expedited Schedule.

NAVY RESPONSE: The Navy has sites stacked within Batches and has the five batches staggered from one another in order to investigate more sites within the IR program cost effectively. Also, at this time the Navy does not have sufficient investigative information to rearrange all sites. **As** the Navy completes the RI and the Baseline Risk Assessment, and Feasibility Reports and other investigative efforts, the Navy is in a better position to rearrange sites and even purpose sites for No Further Action RODs. The Navy will probably purpose interim RODs and interim removal projects for those small sites (i.e., Site 39) as investigative information is provided, and such sites will be on an expedited schedule separate from other sites. With the number of IR sites located at NAS Pensacola being large, and if all sites were individually investigated, this will mean a massive number of individual reports at one time, or **as** some sites are investigated other sites are put on hold until funds and resources are available, which will eventually prolong the IR process. **As we have** arranged the sites, several sites are investigated collectively and reported on collectively in order to expedite all

Continued: EPA Comments/Navy Responses

of the IR sites in the RI/FS process. We agree and understand that a few extensions may need to be requested in order for EPA/FDER/and the Navy to review documents and incorporate comments.

11. EPA COMMENT: Expedited Schedules: Regarding the 120 days allotted for data assessment, EPA does not disagree with the amount of time allotted for this task. Rather, we disagree with the fact that, according to these schedules, this task does not begin until after the field work is completed. This lack of overlap is inefficient. Data analysis should begin when the first piece of data is obtained and must be completed no more than 30 days after the last peice of data is received (15 days to validate and 15 days to assess/evaluate). This 30 day period for pure data validation/assessment could be further reduced through overlap with the initial stages of the RI/FS report preparation.

Why do the expedited schedules allot 90 days for preparation of the Draft Proposed Plan, while the enforceable schedules allot 60 days?

Preparation of the Draft Record of Decision must begin, and run concurrently with, the first 14 days of the public comment period. Additional guidance on preparation and processing of proposed plans and RODs will be provided under separate correspondence and will be applicable to **all** NPLs sites.

NAVY RESPONSE: The Navy has reviewed the other NPL SMPs which have been approved and this NPL SMP will follow the same format and timing as the others for data assessment/validation/evaluation. The expedited schedules have been corrected for the Draft Proposed Plan. In regards to the other NPL sites and the preparation of the Draft ROD beginning and running concurrently with the first 14 days of the public comment period, **SOUTHDIV** has not decided or agreed with EPA on this matter. From the discussions and the meeting with Mr. Hartnett and other EPA employees on February 27, 1992, Mr. Malone (supervisor of the East Section) did not agree to commit the Navy resources to singly expediting the ROD process for one site. This subject however is under discussion with **SOUTHDIV**.