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NAS JACKSONVILLE
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FEDERAL FACILITIES AGREEMENT SITE MANAGEMENT PLAN FOR CALENDAR YEAR
1994 NAS JACKSONVILLE FL
11/30/1994
NAVFAC SOUTHERN

November 30, 1993
Revision 3.0

JACKSONVILLE NAVAL AIR STATION
FEDERAL FACILITIES AGREEMENT
SITE MANAGEMENT PLAN

CALENDAR YEAR 1994

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1. THE BASIS FOR A SITE MANAGEMENT PLAN

The requirement for this Site Management Plan (SMP) is identified in the Federal Facilities Agreement (FFA) signed by the Environmental Protection Agency, the State of Florida, and the US Navy for Naval Air Station Jacksonville, Florida (the Site). The FFA was entered into based on the requirement for an interagency agreement identified in the Superfund Amendments and Re-authorization Act (SARA), section 120(e)(1). The intent of the plan is to provide: (1) action deemed necessary to mitigate any immediate threat to human health of the environment, (2) a list of operable units subject to the tenets of the FFA, (3) a prioritization and rationale for the operable units at the Site, (4) activities and schedules for work planned for the current year, including the submittal schedule for primary and secondary documents, and (5) work projections for subsequent calendar years. The FFA was signed on 16 October 1990, and has an effective date of 1 November 1990.

This SMP addresses the Installation Restoration Program events that occurred in calendar year 1993 and earlier; that are scheduled to occur in calendar year 1994; and are projected for calendar year 1995 and beyond through the completion of Record of Decision activities. The dates, for the current calendar year that are identified as 'Due Dates' are subject to 'Stipulated Penalties' as discussed in the FFA.

2. OVERALL SITE MANAGEMENT APPROACH

Three major investigation activities have been conducted at the Site, under the Navy Installation Restoration (IR) Program (NIRP) or Superfund Program: Preliminary Assessment (PA) or Initial Assessment Study, Site Inspection (SI) or Verification Study, and Extended Site Inspection (ESI) or Confirmation Study. The PA (1983) identified and assessed 38 potential sources of contamination (PSC) on the Site that could pose a potential threat to human health or the environment as a result of contamination derived from past naval operations. Two additional PSCs were identified by the station during its review of the draft PA, effecting a total of 40 post-PA PSCs. The SI (1985) and ESI (1986) were conducted to confirm or refute the presence of hazardous substances at the PSCs identified in the PA; and, if contamination was detected, evaluate its magnitude and extent to a degree that would allow for the recommendation of future remedial response actions. As a result of IR activities, nine additional sites were identified for a total of 49. In addition to the NIRP/CERCLA program, the station has other active regulatory programs. A Florida RCRA permit was issued to NAS Jacksonville by the Florida Department of Environmental Protection (FDEP). Concurrently, a RCRA/HSWA permit was issued to the installation by U.S.EPA in June 1987. A RCRA Facility Assessment (RFA) was included in the EPA issued permit. An Underground Storage Tank Program is currently investigating over 50 tanks as provided for in Florida Administrative Code Section 17-770.

Of the 49 identified IR PSCs, thirteen are currently being addressed as Remedial Investigation/Feasibility Study PSCs. The remaining 36 PSCs require FFA site screening efforts due to data quality

objective inadequacies, or data gaps. Due to the proximity of 23 PSCs to the St. Johns River, the US Navy shall assess the state of the river immediately about the station.

The SMP provides an IR Program event management plan. The Plan ONLY discusses the management of PSCs that are identified as needing to undergo Phase II: Remedial Investigation, Feasibility Study, and possibly Phase III: Remedial Design and Remedial Action, of the IR/CERCLA Program. Included is a description of the Site's PSC arrangement into Remedial Activity groupings or Operable Units (OU). A list of projected schedule tasks through the signing of a Record of Decision is furnished. Detailed therein are program events to take place in the upcoming year and the delivery date for each draft primary document and a target date for each secondary documents. The Navy shall update the SMP yearly.

3. RATIONALE FOR OPERABLE UNIT PSC GROUPINGS

In order to facilitate implementation of NAS Jacksonville's IR Program, the PSCs are organized into five groups: 3 RI/FS Operable Units (OUs); a PSC Screening group; and Petroleum PSC group. The screening group and the petroleum group will not be further considered in this SMP.

The criteria used to generate the RI/FS OU arrays are (1) geographic proximity of sites, (2) contaminant types, (3) aquifer contamination zones, (4) potential investigation methods, (5) potential scope and complexity of the investigation, (6) remedial activities impact on stations mission, (7) regulatory concerns, and (8) similarity of potential remedial actions.

The PSCs in each OU are:

OU#1: Oil and Solvent Disposal Pits Area

PSC 26, The Old Main Registered Disposal Area
PSC 27, Former Transformer Storage Area

OU#2: Wastewater Treatment Area

PSC 2, Aircraft Fire Fighting Training Area
PSC 3, Former Sludge Disposal Area
PSC 4, Pine Tree Planting Area
PSC 41, Domestic Sludge Drying Beds
PSC 42, Polishing Pond
PSC 43, IWTP Sludge Drying Beds

OU#3: Industrial Area

PSC 11, Hanger 101

PSC 12, Old Test Cell, Building 101K
PSC 13, Radium Paint Waste Disposal Pit
PSC 14, Battery Shop
PSC 15, Solvent and Paint Sludge Disposal Area

Operable Unit remedial activities are being phased based on program priorities, schedule effectiveness, task management, and funding capacity. Due to the large number of PSCs on the Site, the number of PSCs in each RI/FS OU, the aggregate complexity of the contamination problem at each OU, and funding limitations, the commencement of work at all OUs concurrently is not feasible; therefore, the Navy has implemented a phased approach. Based on hazardous assessment, the Navy proceeded with RI/FS OU#1 first. The RI/FS Work Plan for OU#2 is completed and the RI/FS Work Plan for OU#3 is in development. This scheduled staggering provided for a coherent effort by the investigative and engineering team enabling a higher quality assessment of the problem and more accurate identification of a suitable remedial response action. The aggregation of the PSCs and the assignment of phasing priorities was based on the eight criteria stated above. The specific aggregation issues are discussed in the accompanying OU Narratives. The assignment of priorities was driven by the actual or potential threat posed by the aggregate known or suspected contamination.

The Oil and Solvent Disposal, OU#1, is situated on a topographical high and contains halogenated hydrocarbons and petroleum hydrocarbons. The area drains into a St. Johns River estuary and adjoining wetlands and abuts a military housing area. The potential environmental and human health threat is sufficient to commence IR program RI/FS work at this OU first.

The Wastewater Treatment Area, OU#2, has a known, large areal, heavy metal and potential halogenated hydrocarbon contamination problem. Due to the proximity of the OU to the St. Johns River, there is a sufficient potential threat that makes this OU a number two priority. Additionally, PSCs 41, 42, & 43 are impacted by a RCRA closure Permit.

Although the Industrial Area, OU#3, has known halogenated hydrocarbon contamination, the extent of the problem is unknown. Because the OU abuts the St. Johns River, there is concern about an environmental threat. The areal industrial development effects a complex investigation. Due to the anticipated time and mission sensitivity of this area, IR efforts at this OU are scheduled to commence last.

NAS Jacksonville's Navy IR Program (NIRP) Plan, (Plan) details the overall and specific management of addressing IR remedial activities. Due to the large number of PSCs, economies of scale dictate the singular establishment of plan methodologies and protocols. Volume 1, Organization and Planning, addresses the: organization of the Plan, data and project management functions, specific IR Program sub-plans: Health and Safety Plan, and Community Relations Plan, Site and PSC background information, OU PSC aggregation process, and activity/OU priority formulation. Volume 2 contains the Remedial Response Decision System. Volume 3 will contain Site Screening documentation. Volume 4 contains the basic methodologies and protocols for conducting field investigations,

conducting field sampling efforts - Basic Field Sampling Plan (BFSP), and performing field and laboratory analytical activities- Quality Assurance Program Plan (QAPP); the BFSP and the QAPP are combined into one document called the Basic Sampling and Analysis Plan (BSAP). The specific OU RI/FS Work Plans are contained in Volume 5-OU#1, 6-OU#2, and 7-OU#3. Volumes 5 and 6 are in place with 7 in development. Once the basic set of IR/CERCLA work protocols and methodologies contained in the OU#1 specific work plan had concurrence, the development of additional work plans was commenced.

The Navy's Installation Restoration Program Plan for NAS Jacksonville is available for viewing in the information repository at the Webb Wesconnett Branch Library of the City of Jacksonville Public Libraries located at 6887 103rd Street, Jacksonville, Fl. 32212-6897.

4. SITE PSCs SMP EXCLUSIONS

The PSCs identified in Attachment A to the FFA as Site Screening PSCs are not included nor otherwise addressed herein, except in this section. The Navy shall use the Remedial Response Decision System to determine future response activities at the Site Screening PSCs. See NIRP Plan Volume 2 for additional information. If RI/FS activities are recommended, the Navy shall create additional OUs based on the criteria presented to address the contamination and risk issues identified by the RRDS implementation. Additional OUs shall be incorporated into the SMP.

The Petroleum PSC Group, consisting of three PSCs: 7, 19, and 33, have been transferred to the Underground Storage Tank Program as provided for in the FFA for response activities detailed in Florida Administrative Code 17-770 and are not included in the SMP or the Navy's IR Program.

5. OPERATIONAL UNIT SCHEDULING

The implementation of an OU's work plan is based on program, resource and funding priorities. The Navy does not have sufficient funds to fully implement the large RI/FS Work Plan for OU#2 and OU#3 during the 1994 federal fiscal cycle: 1 October 1993 thru 30 September 1994. Since the Navy can not commit to implementing these work plans until the budget for the 1995 Federal fiscal year is funded, these work plans have target dates of 15 January 1995.

The Navy does have sufficient funds to pursue smaller work efforts. Accordingly, the Navy shall implement focused RI/FS efforts for specific source control to halt contamination discharge into ground water.

6. 1994-1995 GENERAL SCHEDULE

The following is a list of the general deliverables that are associated with the overall management of the site and their transmittal target and due dates.

1994 GENERAL DELIVERABLES

TARGET DATES

1st Qtr. Quarterly Progress Report	30 April 1994
2nd Qtr. Quarterly Progress Report	30 July 1994
3rd Qtr. Quarterly Progress Report	30 October 1994
4th Qtr. Quarterly Progress Report	30 January 1995

PRIMARY DELIVERABLES

DUE DATES

1995 Site Management Plan	1 September 1994
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1995 GENERAL DELIVERABLES

TARGET DATES

1st Qtr. Quarterly Progress Report	30 April 1995
2nd Qtr. Quarterly Progress Report	30 July 1995
3rd Qtr. Quarterly Progress Report	30 October 1995
4th Qtr. Quarterly Progress Report	30 January 1996

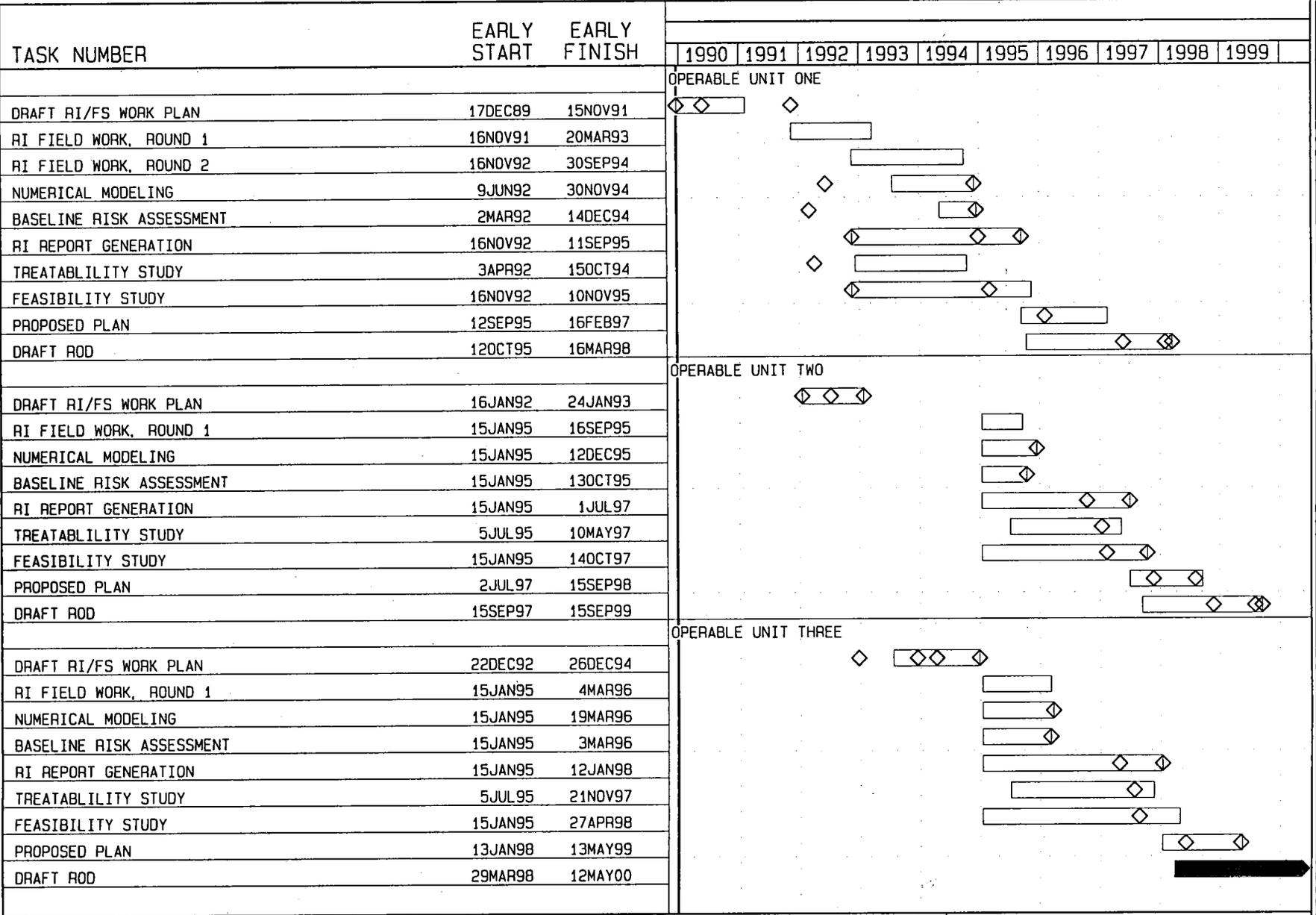
PRIMARY DELIVERABLES

DUE DATES

1996 Site Management Plan	1 September 1995
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7. OPERATIONAL UNIT NARRATIVES

The following are narratives describing the contents of each OU. A description of the physical location and terrain is furnished. 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. For the long term view, a list of projected schedule program tasks through the finalization of the Record of Decision is included.



Plot Date 29NOV93
 Data Date 17DEC89
 Project Start 17DEC89
 Project Finish 12MAY00

Summary Bar/Early Dates
 Critical Designator
 Progress Bar
 Milestone/Flag Activity

WFF1

NAVYCLEAN
 FFA SCHEDULE
 NAS JACKSONVILLE

Sheet 1 of 1

Date	Revision	Checked	Approved

A. RI/FS Operable Unit #1: The Oil and Solvent Disposal Area

Description:

An area of approximately 40 acres located in the south central part of the Site. The topology is open and relatively flat. The unit is located within a drainage ditch network. In an included area approximately 150 feet square, PCB transformers were stored. This unit is comprised of PSC 26 - The Old Main Registered Disposal Area and PSC 27 - Former Transformer Storage Area. Previous studies have identified ground water and subsurface soils contaminated with industrial solvents, heavy metals, PCBs and petroleum hydrocarbons. The unit has experienced interim remedial measures that have removed the direct exposure threat to the public's health or the environment.

Work to Date:

The basic work plan for the site has been developed. The RI/FS Work Plan for this OU has been developed, accepted, and implemented. The required supplemental field work has a scheduled completion date of July 1994. The initial field work validated the location of a large concentration (+/- 3%) of petroleum hydrocarbons contaminated with PCBs. A focused effort was implemented for source mitigation. The rough draft focused RI/FS report was transmitted in July, 1993.

1994 Primary Deliverables

Interim Record of Decision (LNAPL)
(Signed)

Due Date

8 June 1994

Draft RI Report
[Agency Review Comments]
Draft Final RI Report

24 December 1994
90 days after receipt of document
120 days after receipt of review comments

1994 Secondary Deliverables

Draft BLRA Report
[Agency Review Comments]
Draft Final BLRA Report

Target Date

14 December 1994
30 days after receipt of document
90 days after receipt of review comments

Projected 1995 Primary Deliverables

Draft Feasibility Study
[Agency Review Comments]
Draft Final FS

Due Date

1 March 1995
90 days after receipt of document
120 days after receipt of review comments

Projected 1995 Secondary Deliverables

--NONE--

Due Date

--NONE--

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ACTIVITY DESCRIPTION	OPER UNIT	DURATION (DAYS)	START DATE	FINISH DATE
NOTICE TO PROCEED - OUI	OUI	0	17DEC89	
AWARD WORK - DRAFT RI/FS WP	OUI	0		17DEC89
DEVELOP ROUGH WP	OUI	90	18DEC89	17MAR90
NAVY REVIEW ROUGH WP	OUI	30	18MAR90	16APR90
GENERATE DRAFT WP	OUI	30	17APR90	16MAY90
NAVY MAIL DRAFT RI/FSWP	OUI	7	17MAY90	23MAY90
DRAFT RI/FS WP ISSUED	OUI	0		23MAY90
AGENCY R&C DRAFT WP	OUI	90	24MAY90	21AUG90
AGENCY MAIL RC'S	OUI	7	22AUG90	28AUG90
NAVY ASSESS R&C'S	OUI	60	29AUG90	27OCT90
NAVY MAIL R OF RC'S	OUI	7	28OCT90	03NOV90
NAVY GENERATE FINAL RI/FS WP	OUI	60	04NOV90	02JAN91
NAVY MAIL DRAFT FINAL WP	OUI	7	03JAN91	09JAN91
RI/FS WORK PLAN GOES FINAL	OUI	30	10JAN91	08FEB91
RI/WS WP FINALIZED	OUI	0		15NOV91
AWARD WORK - RI FIELD WORK	OUI	33	16NOV91	18DEC91
FW MOBILIZATION	OUI	33	02JAN92	03FEB92
FIELD WORK	OUI	209	04FEB92	30AUG92
SAMPLE ANALYSIS	OUI	154	13FEB92	15JUL92
AWARD WORK - BLRA	OUI	0		01MAR92
DATA VALIDATION	OUI	156	13MAR92	15AUG92
AWARD WORK - TREATABILITY STUDY	OUI	0		02APR92
AWARD WORK - NUMERICAL MODELING	OUI	0		08JUN92

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ACTIVITY DESCRIPTION	OPER UNIT	DURATION (DAYS)	START DATE	FINISH DATE
DRAFT PCSR	OU1	124	01AUG92	02DEC92
AWARD WORK - RI REPORT	OU1	0		15NOV92
WORK RI TASKS	OU1	623	16NOV92	31JUL94
AWARD WORK - FEASIBILITY STUDY	OU1	0	16NOV92	
INITIAL FS TASKS	OU1	21	16NOV92	06DEC92
GENERATE TECH MEMO ROUND 2 FIELD WORK	OU1	43	16NOV92	28DEC92
PERFORM FS	OU1	688	19NOV92	07OCT94
TRANSMIT DRAFT PCSR	OU1	26	03DEC92	28DEC92
GENERATE ROUGH TT WORK PLANS	OU1	30	07DEC92	05JAN93
AGENCY REVIEW	OU1	30	29DEC92	27JAN93
AGENCY REVIEW	OU1	30	29DEC92	27JAN93
AWARD ROUND 2 FIELD WORK	OU1	119	29DEC92	26APR93
NAVY REVIEW/COMMENT (R/C) ROUGH TTWP	OU1	15	06JAN93	20JAN93
GENERATE DRAFT TTWP	OU1	30	21JAN93	19FEB93
AGENCY TRANSMIT REVIEW COMMENTS (RC)	OU1	7	28JAN93	03FEB93
NAVY RESPOND TO RC'S	OU1	15	28JAN93	11FEB93
NAVY REVIEW RC'S, PREPARE FINAL REPORT	OU1	45	04FEB93	20MAR93
AGENCY R/C	OU1	30	20FEB93	21MAR93
NAVY RESPOND TO R/C	OU1	30	22MAR93	20APR93
TRANSMIT RESPONSE TO RC	OU1	7	21APR93	27APR93
ROUND 2 FIELD WORK	OU1	461	27APR93	31JUL94
GENERATE FINAL TTWP	OU1	30	28APR93	27MAY93
SAMPLE ANALYSIS	OU1	482	07MAY93	31AUG94

ACTIVITY DESCRIPTION	OPER UNIT	DURATION (DAYS)	START DATE	FINISH DATE
AWARD TTS	OU1	75	28MAY93	10AUG93
DATA VALIDATION	OU1	482	06JUN93	30SEP94
NUMERICAL MODELING TASKS	OU1	468	21JUL93	31OCT94
PERFORM TREATIBILITY TEST STUDY (TTS)	OU1	401	11AUG93	15SEP94
BLRA TASKS	OU1	202	05MAY94	22NOV94
DEVELOP DRAFT RI REPORT	OU1	146	01AUG94	24DEC94
GENERATE DRAFT TT REPORT	OU1	30	16SEP94	15OCT94
DRAFT NUMERICAL MODELING (NM) REPORT	OU1	30	01NOV94	30NOV94
PREPARE DRAFT BLRA REPORT	OU1	22	23NOV94	14DEC94
TRANSMIT DRAFT NM REPORT	OU1	0		30NOV94
TRANSMIT DRAFT BLRA	OU1	0		14DEC94
TRANSMIT DRAFT RI REPORT	OU1	0		24DEC94
SUBMIT DRAFT RI REPORT	OU1	7	25DEC94	31DEC94
AGENCY REVIEW	OU1	90	01JAN95	31MAR95
GENERATE DRAFT FSR	OU1	30	31JAN95	01MAR95
DRAFT FSR DELIVERED	OU1	0		01MAR95
AGENCY REVIEW	OU1	90	02MAR95	30MAY95
AGENCY TRANSMIT REVIEW COMMENTS	OU1	7	01APR95	07APR95
NAVY REPORT ON RC'S	OU1	60	08APR95	06JUN95
NAVY RECEIVE COMMENTS	OU1	7	31MAY95	06JUN95
NAVY MAIL COMMENTS	OU1	7	07JUN95	13JUN95
PREPARE DRAFT FINAL	OU1	60	07JUN95	05AUG95
NAVY R ON RC'S	OU1	60	07JUN95	05AUG95

ACTIVITY DESCRIPTION	OPER UNIT	DURATION (DAYS)	START DATE	FINISH DATE
SUBMIT DRAFT FINAL	OU1	7	06AUG95	12AUG95
NAVY MAIL RC'S	OU1	7	06AUG95	12AUG95
PREPARE FINAL FSR	OU1	60	06AUG95	04OCT95
FINALIZE RI REPORT	OU1	30	13AUG95	11SEP95
RI FINALIZED	OU1	0		11SEP95
AWARD PP & ROD WORK	OU1	75	12SEP95	25NOV95
SUBMIT FINAL	OU1	7	05OCT95	11OCT95
FS REPORT GOES FINAL	OU1	30	12OCT95	10NOV95
PREPARE DRAFT ROD	OU1	582	12OCT95	15MAY97
PREPARE PP	OU1	60	26NOV95	24JAN96
SUBMIT PP	OU1	7	25JAN96	31JAN96
DRAFT PP ISSUED	OU1	0		31JAN96
AGENCY REVIEW	OU1	90	01FEB96	30APR96
AGENCY MAIL COMMENTS	OU1	7	01MAY96	07MAY96
NAVY R OF RC'S	OU1	60	08MAY96	06JUL96
NAVY MAILS COMMENTS	OU1	7	07JUL96	13JUL96
PREPARE DRAFT FINAL	OU1	60	07JUL96	04SEP96
SUBMIT DRAFT FINAL	OU1	7	05SEP96	11SEP96
PP GOES FINAL	OU1	30	12SEP96	11OCT96
PP FINAL ISSUED	OU1	45	12OCT96	25NOV96
PREPARE PUBLIC MEETING NOTICE	OU1	7	26NOV96	02DEC96
PUBLISH MEETING NOTICE	OU1	30	03DEC96	01JAN97
HOLD PUBLIC MEETING	OU1	1	02JAN97	02JAN97

ACTIVITY DESCRIPTION	OPER UNIT	DURATION (DAYS)	START DATE	FINISH DATE
COMMENTS FROM PUBLIC	OU1	45	03JAN97	16FEB97
NAVY MAIL DRAFT ROD	OU1	7	16MAY97	22MAY97
DRAFT ROD SUBMITTED	OU1	0		22MAY97
AGENCY REVIEW DRAFT ROD	OU1	90	23MAY97	20AUG97
AGENCY MAILS COMMENTS	OU1	7	21AUG97	27AUG97
NAVY REPORT ON RC'S	OU1	60	28AUG97	26OCT97
NAVY COMMENTS MAILED	OU1	7	27OCT97	02NOV97
NAVY PREPARE DRAFT FINAL ROD	OU1	60	27OCT97	25DEC97
NAVY MAIL DRAFT FINAL ROD	OU1	7	26DEC97	01JAN98
ROD GOES FINAL	OU1	30	02JAN98	31JAN98
ROD FINALIZED	OU1	0		31JAN98
ROD SIGNATURE	OU1	30	01FEB98	02MAR98
PREPARE PUBLIC NOTICE	OU1	7	03MAR98	09MAR98
PUBLISH NOTICE	OU1	7	10MAR98	16MAR98
ROD FINAL & OFFICIAL	OU1	0		16MAR98

B. RI/FS Operable Unit#2: The Wastewater Treatment Area

Description:

An area on the Northwest end of the air station comprising six PSCs: 2 - Fire Fighting Training Area, 3 - Former Sludge Disposal Area, 4 - Pine Tree Planting Area, 41 - Former Domestic Sludge Drying Beds, 42 - Former Polishing Pond, and 43 - Former Industrial Sludge Drying Beds. The area is the location of the station's domestic and industrial wastewater plants, is bounded on the north by the St. Johns River, and, despite being relatively flat, is a hydrologic high. The groundwater of the area has known contamination consisting of industrial solvents and heavy metals. No direct exposure threat is presently known to exist to public health or the environment.

Work to Date:

The RI/FS Work Plan was finalized January 1993. Due to funding constraints, the Work Plan was not implemented in its entirety. A focused effort was implemented for source mitigation for the areas identified as PSC 2, 41, and 43. Similar focused efforts for PSC 3 and 42 are to start in December 1993.

1993 Primary Deliverables :

Draft Focused RI/FS Report
(PSCs 2, 41 & 43)
[Agency Review Comments]
Draft Final RI Report

Due Dates :

22 December 1993
30 Days after receipt of document
30 Days after receipt of review comments

1994 Primary Deliverables :

Draft Focused RI/FS Report
(PSCs 3 & 42)
[Agency Review Comments]
Draft Final RI Report

Due Dates :

20 May 1994
30 Days after receipt of document
30 Days after receipt of review comments

Interim ROD (PSCs 2, 41 & 43)
(Signed)

23 September 1994

1994 Secondary Deliverables :

-- NONE --

Target Dates :

-- NONE --

Projected 1995 Primary Deliverables : **Projected Due Dates :**
Interim ROD (PSC 3 & 42) 24 January 1995
(Signed)

Projected 1995 Secondary Deliverables : **Projected Due Dates :**
--NONE-- --NONE--

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NOTICE TO PROCEED - OU2	OU2	0	16JAN92	
AWARD WORK - DRAFT RI/FS WP	OU2	75	16JAN92	30MAR92
DEVELOP ROUGH WP	OU2	32	31MAR92	01MAY92
NAVY REVIEW ROUGH WP	OU2	30	02MAY92	31MAY92
GENERATE DRAFT WP	OU2	30	01JUN92	30JUN92
NAVY MAIL DRAFT RI/FSWP	OU2	7	01JUL92	07JUL92
DRAFT RI/FS WP ISSUED	OU2	0		07JUL92
AGENCY R&C DRAFT WP	OU2	46	08JUL92	22AUG92
AGENCY MAIL RC'S	OU2	7	23AUG92	29AUG92
NAVY ASSESS R&C'S	OU2	60	30AUG92	28OCT92
NAVY MAIL R OF RC'S	OU2	7	29OCT92	04NOV92
NAVY GENERATE FINAL RI/FS WP	OU2	44	05NOV92	18DEC92
NAVY MAIL DRAFT FINAL WP	OU2	7	19DEC92	25DEC92
RI/FS WORK PLAN GOES FINAL	OU2	30	26DEC92	24JAN93
RI/FS WP FINALIZED	OU2	0		24JAN93
AWARD WORK - RI FIELD WORK	OU2	75	15JAN95	30MAR95
AWARD WORK - NUMERICAL MODELING	OU2	75	15JAN95	30MAR95
AWARD WORK - BLRA	OU2	75	15JAN95	30MAR95
AWARD WORK - RI REPORT	OU2	75	15JAN95	30MAR95
AWARD WORK - FEASIBILITY STUDY	OU2	75	15JAN95	30MAR95
FW MOBILIZATION	OU2	30	31MAR95	29APR95
WORK RI TASKS	OU2	533	31MAR95	13SEP96
INITIAL FS TASKS	OU2	21	31MAR95	20APR95

ACTIVITY DESCRIPTION	OPER UNIT	DURATION (DAYS)	START DATE	FINISH DATE
FIELD WORK	OU2	120	30APR95	27AUG95
PERFORM FS	OU2	578	30APR95	27NOV96
SAMPLE ANALYSIS	OU2	100	10MAY95	17AUG95
DATA VALIDATION	OU2	100	09JUN95	16SEP95
AWARD WORK - TREATABILITY STUDY	OU2	75	05JUL95	17SEP95
NUMERICAL MODELING TASKS	OU2	82	24JUL95	13OCT95
BLRA TASKS	OU2	60	24JUL95	21SEP95
GENERATE ROUGH TT WORK PLANS	OU2	30	18SEP95	17OCT95
PREPARE DRAFT BLRA REPORT	OU2	22	22SEP95	13OCT95
TRANSMIT DRAFT BLRA	OU2	0		13OCT95
DRAFT NUMERICAL MODELING REPORT	OU2	60	14OCT95	12DEC95
NAVY R/C ROUGH TTWP	OU2	15	18OCT95	01NOV95
GENERATE DRAFT TTWP	OU2	30	02NOV95	01DEC95
AGENCY R/C	OU2	30	02DEC95	31DEC95
TRANSMIT DRAFT NM REPORT	OU2	0		12DEC95
NAVY RESPOND TO R/C	OU2	30	01JAN96	30JAN96
AWARD TREATIBILITY TESTING STUDY	OU2	75	01JAN96	15MAR96
TRANSMIT R TO R/C	OU2	7	31JAN96	06FEB96
GENERATE FINAL TTWP	OU2	30	31JAN96	29FEB96
PERFORM TTS	OU2	227	16MAR96	28OCT96
DEVELOP DRAFT RI REPORT	OU2	30	14SEP96	13OCT96
TRANSMIT DRAFT RI REPORT	OU2	0		13OCT96
SUBMIT DRAFT RI REPORT	OU2	7	14OCT96	20OCT96

ACTIVITY DESCRIPTION	OPER UNIT	DURATION (DAYS)	START DATE	FINISH DATE
AGENCY REVIEW	OU2	90	21OCT96	18JAN97
GENERATE ROUGH TTR	OU2	30	29OCT96	27NOV96
NAVY RVW/CMT	OU2	15	28NOV96	12DEC96
GENERATE DRAFT FSR	OU2	30	28NOV96	27DEC96
GENERATE DRAFT TT REPORT	OU2	30	13DEC96	11JAN97
SUBMIT DRAFT FSR	OU2	7	28DEC96	03JAN97
AGENCY REVIEW	OU2	90	04JAN97	03APR97
TRANSMIT DRAFT TT	OU2	0		11JAN97
AGENCY R/C	OU2	30	12JAN97	10FEB97
AGENCY TRANSMIT REVIEW COMMENTS	OU2	7	19JAN97	25JAN97
NAVY REPORT ON RC'S	OU2	60	26JAN97	26MAR97
DRAFT FSR DELIVERED	OU2	0		10FEB97
NAVY R TO R/C	OU2	45	11FEB97	27MAR97
NAVY MAIL COMMENTS	OU2	7	27MAR97	02APR97
PREPARE DRAFT FINAL	OU2	60	27MAR97	25MAY97
TRANSMIT R TO R/C	OU2	7	28MAR97	03APR97
GENERATE FINAL TT REPORT	OU2	30	04APR97	03MAY97
NAVY RECEIVE COMMENTS	OU2	7	04APR97	10APR97
NAVY R ON RC'S	OU2	60	11APR97	09JUN97
SUBMIT FINAL TT REPORT	OU2	7	04MAY97	10MAY97
SUBMIT DRAFT FINAL	OU2	7	26MAY97	01JUN97
FINALIZE RI REPORT	OU2	30	02JUN97	01JUL97
NAVY MAIL RC'S	OU2	7	10JUN97	16JUN97

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PREPARE FINAL FSR	OU2	60	10JUN97	08AUG97
RI FINALIZED	OU2	0		01JUL97
AWARD PP & ROD WORK	OU2	75	02JUL97	14SEP97
SUBMIT FINAL	OU2	7	09AUG97	15AUG97
FS REPORT GOES FINAL	OU2	30	15SEP97	14OCT97
PREPARE PP	OU2	60	15SEP97	13NOV97
PREPARE DRAFT ROD	OU2	426	15SEP97	14NOV98
FS REPORT FINAL	OU2	0		14OCT97
SUBMIT PP	OU2	7	14NOV97	20NOV97
DRAFT PP ISSUED	OU2	0		20NOV97
AGENCY REVIEW	OU2	90	21NOV97	18FEB98
AGENCY MAIL COMMENTS	OU2	7	19FEB98	25FEB98
NAVY R OF RC'S	OU2	60	26FEB98	26APR98
NAVY MAILS COMMENTS	OU2	7	27APR98	03MAY98
PREPARE DRAFT FINAL	OU2	60	27APR98	25JUN98
SUBMIT DRAFT FINAL	OU2	7	26JUN98	02JUL98
PREPARE PUBLIC MEETING NOTICE	OU2	7	26JUN98	02JUL98
PP GOES FINAL	OU2	30	03JUL98	01AUG98
PUBLISH MEETING NOTICE	OU2	30	03JUL98	01AUG98
HOLD PUBLIC MEETING	OU2	1	02AUG98	02AUG98
COMMENTS FROM PUBLIC	OU2	45	02AUG98	15SEP98
PP FINALIZED	OU2	0		02AUG98
NAVY MAIL DRAFT ROD	OU2	7	15NOV98	21NOV98

ACTIVITY DESCRIPTION	OPER UNIT	DURATION (DAYS)	START DATE	FINISH DATE
DRAFT ROD SUBMITTED	OU2	0		21NOV98
AGENCY REVIEW DRAFT ROD	OU2	90	22NOV98	19FEB99
AGENCY MAILS COMMENTS	OU2	7	20FEB99	26FEB99
NAVY REPORT ON RC'S	OU2	60	27FEB99	27APR99
NAVY COMMENTS MAILED	OU2	7	28APR99	04MAY99
NAVY PREPARE DRAFT FINAL ROD	OU2	60	28APR99	26JUN99
NAVY MAIL DRAFT FINAL ROD	OU2	7	27JUN99	03JUL99
ROD GOES FINAL	OU2	30	04JUL99	02AUG99
ROD FINALIZED	OU2	0		02AUG99
ROD SIGNATURE	OU2	30	03AUG99	01SEP99
PREPARE PUBLIC NOTICE	OU2	7	02SEP99	08SEP99
PUBLISH NOTICE	OU2	7	09SEP99	15SEP99
ROD FINAL & OFFICIAL	OU2	0		15SEP99

C. RI/FS Operable Unit #3: The Industrial Area

Description:

An area on the east side of the Air Station comprising five PSCs: 11-Hanger 101, 12-Old Test Cell Building 101K, 13-Former Radium Paint Waste Disposal Pit, 14-Battery Shop, 15-Former Solvent and Paint Sludge Disposal Area. The area is flat and adjacent to the St. Johns River. Located within this industrial complex is the Naval Aviation Depot and several helicopter squadrons. Previous studies have identified groundwater and subsurface soils contaminated with industrial solvents and heavy metals. No direct exposure threat is presently known to exist to public health or the environment.

Work to Date:

Specific scoping field work requirements were identified at a meeting held in April 1993 at NADEP on NAS Jacksonville. Scoping field work was performed between July and September 1993.

1994 Primary Deliverables:

Draft RI/FS Work Plan

[Agency Review Comments]

Draft Final RI Report

Due Dates :

9 April 1994

90 Days after receipt of document

120 Days after receipt of review comments

Draft Focused RI/FS Report

[Agency Review Comments]

Draft Final RI Report

16 November 1994

30 Days after receipt of document

30 Days after receipt of review comments

1994 Secondary Deliverables :

-- NONE --

Target Dates :

-- NONE --

Projected 1995 Primary Deliverables :

Interim ROD

(Signed)

Projected Due Dates :

21 August 1994

Projected 1995 Secondary Deliverables : **Projected Due Dates :**

-- NONE --

-- NONE --

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AWARD WORK - RI/FS WP	OU3	0	22DEC92	
DEVELOP ROUGH WP	OU3	196	21JUL93	01FEB94
SCOPING FIELD WORK	OU3	80	21JUL93	08OCT93
PERFORM SAMPLE ANALYSIS	OU3	105	26JUL93	07NOV93
PERFORM DATA VALIDATION	OU3	105	25AUG93	07DEC93
PREPARE DATA REPORT	OU3	101	01SEP93	10DEC93
TRANSMIT DATA REPORT	OU3	0		13DEC93
AGENCY REVIEW DATA REPORT	OU3	49	14DEC93	31JAN94
DATA REPORT REVIEW MTG.	OU3	1	01FEB94	01FEB94
NAVY REVIEW ROUGH WP	OU3	30	02FEB94	03MAR94
GENERATE DRAFT WP	OU3	30	04MAR94	02APR94
NAVY MAIL DRAFT RI/FSWP	OU3	7	03APR94	09APR94
DRAFT RI/FS WP ISSUED	OU3	0		09APR94
AGENCY R&C DRAFT WP	OU3	90	10APR94	08JUL94
AGENCY MAIL RC'S	OU3	7	09JUL94	15JUL94
NAVY ASSESS R&C'S	OU3	60	16JUL94	13SEP94
NAVY MAIL R OF RC'S	OU3	7	14SEP94	20SEP94
NAVY GENERATE FINAL RI/FS WP	OU3	60	21SEP94	19NOV94
NAVY MAIL DRAFT FINAL WP	OU3	7	20NOV94	26NOV94
RI/FS WORK PLAN GOES FINAL	OU3	30	27NOV94	26DEC94
RI/FS WP FINALIZED	OU3	0		26DEC94
AWARD WORK - RI FIELD WORK	OU3	75	15JAN95	30MAR95
AWARD WORK - NUMERICAL MODELING	OU3	75	15JAN95	30MAR95

ACTIVITY DESCRIPTION	OPER UNIT	DURATION (DAYS)	START DATE	FINISH DATE
AWARD WORK - BLRA	OU3	75	15JAN95	30MAR95
AWARD WORK - RI REPORT	OU3	75	15JAN95	30MAR95
AWARD WORK - FEASIBILITY STUDY	OU3	75	15JAN95	30MAR95
FW MOBILIZATION	OU3	30	31MAR95	29APR95
WORK RI TASKS	OU3	728	31MAR95	27MAR97
INITIAL FS TASKS	OU3	21	31MAR95	20APR95
FIELD WORK	OU3	280	30APR95	03FEB96
SAMPLE ANALYSIS	OU3	270	10MAY95	03FEB96
DATA VALIDATION	OU3	270	09JUN95	04MAR96
AWARD WORK - TREATABILITY STUDY	OU3	75	05JUL95	17SEP95
NUMERICAL MODELING TASKS	OU3	180	24JUL95	19JAN96
BLRA TASKS	OU3	202	24JUL95	10FEB96
GENERATE ROUGH TT WORK PLANS	OU3	30	18SEP95	17OCT95
NAVY R/C ROUGH TTWP	OU3	15	18OCT95	01NOV95
GENERATE DRAFT TTWP	OU3	30	02NOV95	01DEC95
PERFORM FS	OU3	578	11NOV95	10JUN97
AGENCY R/C	OU3	30	02DEC95	31DEC95
NAVY R TO R/C	OU3	30	01JAN96	30JAN96
DRAFT NUMERICAL MODELING REPORT	OU3	60	20JAN96	19MAR96
TRANSMIT R TO R/C	OU3	7	31JAN96	06FEB96
GENERATE FINAL TTWP	OU3	30	31JAN96	29FEB96
PREPARE DRAFT BLRA REPORT	OU3	22	11FEB96	03MAR96
AWARD TTS	OU3	75	01MAR96	14MAY96

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TRANSMIT DRAFT BLRA	OU3	0		03MAR96
TRANSMIT DRAFT NM REPORT	OU3	0		19MAR96
PERFORM TTS	OU3	362	15MAY96	11MAY97
DEVELOP DRAFT RI REPORT	OU3	30	28MAR97	26APR97
TRANSMIT DRAFT RI REPORT	OU3	0		26APR97
SUBMIT DRAFT RI REPORT	OU3	7	27APR97	03MAY97
AGENCY REVIEW	OU3	90	04MAY97	01AUG97
GENERATE ROUGH TTR	OU3	30	12MAY97	10JUN97
NAVY R/C	OU3	15	11JUN97	25JUN97
GENERATE DRAFT FSR	OU3	30	11JUN97	10JUL97
GENERATE DRAFT TT REPORT	OU3	30	26JUN97	25JUL97
SUBMIT DRAFT FSR	OU3	7	11JUL97	17JUL97
AGENCY REVIEW	OU3	90	18JUL97	15OCT97
TRANSMIT DRAFT TT	OU3	0		25JUL97
AGENCY R/C	OU3	30	26JUL97	24AUG97
AGENCY TRANSMIT REVIEW COMMENTS	OU3	7	02AUG97	08AUG97
NAVY REPORT ON RC'S	OU3	60	09AUG97	07OCT97
DRAFT FSR DELIVERED	OU3	0		24AUG97
NAVY R TO R/C	OU3	45	25AUG97	08OCT97
NAVY MAIL COMMENTS	OU3	7	08OCT97	14OCT97
PREPARE DRAFT FINAL	OU3	60	08OCT97	06DEC97
TRANSMIT R TO R/C	OU3	7	09OCT97	15OCT97
GENERATE FINAL TT REPORT	OU3	30	16OCT97	14NOV97

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ACTIVITY DESCRIPTION	OPER UNIT	DURATION (DAYS)	START DATE	FINISH DATE
NAVY RECIEVE COMMENTS	OU3	7	16OCT97	22OCT97
NAVY R ON RC'S	OU3	60	23OCT97	21DEC97
SUBMIT FINAL TT REPORT	OU3	7	15NOV97	21NOV97
SUBMIT DRAFT FINAL	OU3	7	07DEC97	13DEC97
FINALIZE RI REPORT	OU3	30	14DEC97	12JAN98
NAVY MAIL RC'S	OU3	7	22DEC97	28DEC97
PREPARE FINAL FSR	OU3	60	22DEC97	19FEB98
RI FINALIZED	OU3	0		12JAN98
AWARD PP & ROD WORK	OU3	75	13JAN98	28MAR98
SUBMIT FINAL	OU3	7	20FEB98	26FEB98
FS REPORT GOES FINAL	OU3	30	29MAR98	27APR98
PREPARE PP	OU3	60	29MAR98	27MAY98
PREPARE DRAFT ROD	OU3	471	29MAR98	12JUL99
SUBMIT PP	OU3	7	28MAY98	03JUN98
DRAFT PP ISSUED	OU3	0		03JUN98
AGENCY REVIEW	OU3	90	04JUN98	01SEP98
AGENCY MAIL COMMENTS	OU3	7	02SEP98	08SEP98
NAVY R OF RC'S	OU3	60	09SEP98	07NOV98
NAVY MAILS COMMENTS	OU3	7	08NOV98	14NOV98
PREPARE DRAFT FINAL	OU3	60	08NOV98	06JAN99
SUBMIT DRAFT FINAL	OU3	7	07JAN99	13JAN99
PP GOES FINAL	OU3	30	14JAN99	12FEB99
PP FINAL ISSUED	OU3	45	13FEB99	29MAR99

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PREPARE PUBLIC MEETING NOTICE	OU3	7	30MAR99	05APR99
COMMENTS FROM PUBLIC	OU3	45	30MAR99	13MAY99
PUBLISH MEETING NOTICE	OU3	30	06APR99	05MAY99
HOLD PUBLIC MEETING	OU3	1	06MAY99	06MAY99
PP FINALIZED	OU3	0		06MAY99
NAVY MAIL DRAFT ROD	OU3	7	13JUL99	19JUL99
DRAFT ROD SUBMITTED	OU3	0		19JUL99
AGENCY REVIEW DRAFT ROD	OU3	90	20JUL99	17OCT99
AGENCY MAILS COMMENTS	OU3	7	18OCT99	24OCT99
NAVY REPORT ON RC'S	OU3	60	25OCT99	23DEC99
NAVY COMMENTS MAILED	OU3	7	24DEC99	30DEC99
NAVY PREPARE DRAFT FINAL ROD	OU3	60	24DEC99	21FEB00
NAVY MAIL DRAFT FINAL ROD	OU3	7	22FEB00	28FEB00
ROD GOES FINAL	OU3	30	29FEB00	29MAR00
ROD FINALIZED	OU3	0		29MAR00
ROD SIGNATURE	OU3	30	30MAR00	28APR00
PREPARE PUBLIC NOTICE	OU3	7	29APR00	05MAY00
PUBLISH NOTICE	OU3	7	06MAY00	12MAY00
ROD FINAL & OFFICIAL	OU3	0		12MAY00