

ATTACHMENT 1

FORT RICHARDSON, ALASKA  
U. S. ARMY  
FEDERAL FACILITY AGREEMENT SCOPE OF WORK

1.0 Introduction

The purpose of this MOU is to set forth the elements of work required to be performed in responding to hazardous substance/waste releases, or the threat of such releases, at or from source areas at the U.S. Air Force 611th remote facilities (listed in Attachment A) which pose an actual or potential threat to human health or the environment. This document provides the site management approach to implement remedial response processes. The source areas at Fort Richardson have been divided into 4 manageable operable units (OUs). A critical path schedule has been developed for performing the general remedial activities at each OU, and an optimal sequence has been established for addressing each OU. The OUs at Fort Richardson have been divided into three categories of remedial activities:

- Remedial Investigation/Feasibility Study (RI/FS) OUs
- Interim Remedial Action (IRA) OUs
- Preliminary Source Evaluation (PSE) OUs

All response activities performed by Fort Richardson shall be consistent with the Agreement. Figure 1 represents work schedules for completion of the decision process for each identified OU and was developed by the three parties during the Agreement negotiations. The figure depicts starting, interim and completion dates for each OU, and will be updated periodically. Primary document deadlines are enforceable and are contained in Figure 2 of this Attachment.

There are certain source areas (RCRA "units") at Fort Richardson identified in the March 29, 1991 FFCA between EPA and the Army (hereinafter "1991 FFCA") that are subject to RCRA requirements including, but not limited to, interim status closure requirements found at 40 CFR Part 265. The Army, EPA and the State agree that corrective action at the following units which were identified in the 1991 FFCA as subject to RCRA closure requirements will be addressed through CERCLA response actions at operable units ("OUs") under the terms and schedules specified in the FFA: under OU-A: Building 986; OU-C; OB/OD; OU-D: Buildings 700, 704, 35-752, 955, and Circle Road:

The following units will be addressed through a two-party agreement between the State of Alaska and the Army, and when the investigation is complete, they shall be incorporated into the response actions scheduled for either the next available OU or OU-D: Buildings 755 and 45-590.

RCRA requirements at these units shall be addressed through the CERCLA ARARs process specified in the FFA. RCRA public notice and public participation requirements for closure at these units shall be addressed during the CERCLA public notice process specified in the FFA and this Attachment at the time of issuance of the Proposed Plan for that particular OU.

In addition, if a "no-action" decision is made under the FFA and CERCLA for an operable unit which includes units subject to RCRA closure requirements, such units shall remain subject to RCRA closure and post-closure care requirements. The Region 10 RCRA program shall make a final determination whether further closure work under RCRA is necessary with respect to such units.

## 2.0 Source Area Grouping into Operable Units

125 potential source areas have been identified at Fort Richardson in previous studies, and are listed in Table 1. No further remedial action was selected for 79 of these areas. The basis for these decisions will be contained in the Fort Richardson Administrative Record. The remaining source areas were either placed directly into one of the OU categories, or have been designated for parallel-track actions pursuant to a Two Party Agreement with the Army and ADEC (see section 3.5). The criteria used to group these sources into particular OUs include:

- Availability and sufficiency of previously collected data to support remedy selection
- Similarities of source areas and contaminants
- Complexity and size of source areas
- Affected media, potential for migration, exposure pathways and receptors

Levels of investigation for each source (PSE or RI/FS) per Operable Unit are set out below:

● **Preliminary Source Evaluation**

Motorpools/Maintenance facilities  
Storm drain outfalls to Ship Creek  
Landfill Fire Training Area  
Grease Pit #1  
Grease Pit #2  
Poleline Road Disposal Area  
Bldg. 700-transformer storage area  
Bldg. 704  
Bldg. 726-laundry  
Bldg. 35-752-antenna bldg.  
Bldg. 796 acid disposal area  
Bldg. 955  
Circle Rd. Drum site  
Dust palliative

● **Remedial Investigation/Feasibility Study (RI/FS)**

Roosevelt Road PCB site  
Ruff Road Fire Training Area  
Bldg. 986-PCL lab.  
Eagle River Flats Impact Area  
OB/OD Area, Eagle River Flats

● **Interim Remedial Action (IRA)**

Any appropriate sources may be selected for an IRA. In particular, upon completion of a PSE for OU D the parties will evaluate whether any sources should be addressed by an IRA in accordance with section 3.2 of this Attachment (and applicable provisions of the NCP). An example of a current IRA candidate that will be evaluated by the Project Managers;

- Eagle River Flats

3.0 Description of Remedial Activities leading to ROD

The purpose of remedial activities that lead to a Record of Decision (ROD) is to gather sufficient information to characterize the potential nature and extent of any possible contamination. Depending on the information available these activities may consist of remedial investigations/feasibility studies, preliminary source evaluations, and/or other activities (Figure 3).

### 3.1 Remedial Investigation/Feasibility Study

The purpose of the remedial investigation/feasibility study (RI/FS) is to investigate the nature and extent of contamination at the Fort Richardson site and to develop and evaluate remedial alternatives, as appropriate. Four RI/FSs are currently planned for Fort Richardson.

The specific RI/FS activities to be conducted during each RI/FS at Fort Richardson are segregated as follows:

- OU specific project planning (e.g., development of a Conceptual Site Model; identification of Data Quality Objectives; integration of proposed activities for the OU with those proposed, or on-going, base-wide and at other CUs)
- revision (if necessary) of the Base-wide Community Relations Plan
- OU specific field investigations
- OU specific sample analysis/validation
- OU specific data evaluation
- OU specific human health risk and ecological assessment.

The OU-specific ecological risk screening assessment will involve an ecological characterization of the source and identify significant ecological exposure pathways. Data gaps identified from OU specific ecological characterization screening studies will be addressed in the last scheduled OU RI/FS to maximize economy of resource utilization. The cumulative effects of specific source area contaminations will also be assessed in the last OU RI/FS.

- OU specific treatability studies
- OU specific RI Report, including Baseline Risk Assessment
- OU specific Remedial Alternatives Development and Screening
- OU specific Detailed Analysis of Alternatives
- OU specific RI/FS Report

To the maximum extent practicable, components of Field Sampling Plans (FSPs), Quality Assurance Project Plans (QAPjPs), Work Plans, and Health and Safety Plans (HSPs) approved under an earlier OU submission will be utilized in subsequent submissions to expedite the review process and achieve consistency in the overall remedial action approach.

### 3.1.1 Eagle River Flats Operable Unit

Due to the complex nature of the contaminant at Eagle River Flats (ERF), preliminary field investigations, technological evaluation and screening activities are ongoing functions that will occur prior to the start of the RI/FS process. The project managers will scope, evaluate, and plan yearly activities. Based on the results of the yearly activities, the project managers may initiate removal or interim remedial actions or begin RI/FS activities as agreed upon.

For the ERF OU, a biological technical assistance group (BTAG) will be created. This group shall consist of representatives from the Federal, State, and local governments who possess technical expertise pertaining to the biological and ecological issues posed by the contamination at ERF. The ERF BTAG will replace the former ERF Task Force upon the signing of the proposed ERF BTAG charter. The ERF BTAG is an independent group of environmental agencies interested in the investigation and remediation of the Eagle River Flats area. The BTAG is separate and apart from the Technical Review Committee, described further in Part VIII(H) of the Fort Richardson Federal Facility Agreement.

The purpose of this group is to afford the governmental agencies a forum in which to share information and review progress regarding the RI/FS and RD/RA process at Eagle River Flats, and other matters of interest that may arise in conjunction with the remediation of the ERF Operable Unit.

### 3.2 Interim Remedial Actions

The purpose of the interim remedial actions (IRA-OUs) at Fort Richardson is to achieve early action using remedial authority at those sources which meet the IRA general principles discussed in the NCP. If at any time the information submitted to support the IRA is found to be equivalent to that obtained during an RI/FS and the OU is separable, then the IRA may be upgraded to an early final action.

The Preamble of the NCP, 55 Fed. Reg. 8703-8706 (March 8, 1990), states that to implement an early action under remedial

authority, an operable unit for which an interim remedial action is appropriate should be identified. IRA decisions are intended for straightforward sites that are limited in scope. Data sufficient to support the action decision is extracted from the ongoing RI/FS or from previous studies and an appropriate set of alternatives is evaluated. Few alternatives, and in some cases only one alternative, should be developed for interim remedial actions. A completed baseline risk assessment generally will not be available or necessary to justify such an action. Qualitative risk information should be organized that demonstrates that the action is necessary to stabilize the site, prevent further degradation, or achieve significant risk reduction quickly. Supporting data, including risk information and the alternatives analysis, can be documented in a focused feasibility study. However, in cases where the relevant data can be summarized briefly and the alternatives are few and straightforward, it may be adequate and more appropriate to document the supporting information in the proposed plan.

### 3.3 Preliminary Source Evaluations

Preliminary Source Evaluations (PSEs) will be conducted at several source areas to identify whether or not these source areas pose an unacceptable potential risk to public health or the environment. The scope of the PSE is intended to be significantly less than that of an RI/FS.

PSE are primarily intended as screening tools to summarize and evaluate existing information. These evaluations may require data gathering efforts which require focused, but limited, field investigations. This information is used to determine qualitative risk.

Prior to performing a PSE, project managers will meet to scope and identify the pathways from suspected sources of contamination to potential receptors. Based on this scoping, a workplan will then be generated and submitted which establishes appropriate Data Quality Objectives (DQOs), and includes a field sampling plan (FSP) and QAPjP, as needed.

At completion of the PSE, a PSE report containing the findings of the investigation/evaluation shall be submitted to the agencies for review and comment. The Project Managers shall then determine, based on the information presented, the disposition of each of the identified sources, and particularly, which specific source areas (if any) in each OU require follow up action. The decision will be reflected in the administrative record.

There are three management options for sources reviewed in a PSE processes: a) No Further Action (NFA), in terms of planning for FFA remediations (such a decision would not prohibit future activity undertaken pursuant to State authority); b) inclusion in an RI/FS; or, c) recommendation for IRA.

If agreement cannot be reached on source disposition for areas which have undergone the PSE process, those areas will be included in an RI/FS and made subject to dispute resolution. In such an event the rationale leading to the decision shall be documented in the administrative record.

### 3.4 Base-wide Studies and Other Documents

Base-wide studies/investigations (e.g., for background sampling), or monitoring (e.g., for groundwater monitoring), not specific to particular OUs but necessary for implementation of the Agreement, will be proposed in separate Plans which will include any necessary FSPs and QAPjPs. The Project Managers will determine scheduling for these Plans, and for the follow-up Reports. Both the Plans and Reports shall be secondary documents.

Documents not specified as primary or secondary documents in the Agreement, but that serve to further facilitate the implementation of the remedial process, may be submitted to US EPA and ADEC as interim reports and technical memoranda for review, comment, and/or discussion, upon agreement of all Project Managers. These documents are typically input (or feeder) documents -- such as data interpretation -- to the primary or secondary documents.

### 3.5 Parallel Track Activity

Certain potential source areas at Fort Richardson, identified in Table 1, will be addressed pursuant to a companion agreement entered into by the Army and the State of Alaska. Generally, these areas are underground storage tanks and other source areas where there are suspected or known releases of petroleum, oil, and/or lubricants (POL).

By a date established by the Project Managers, and at least ninety (90) days prior to submittal of the last OU RI/FS Management Plan, the Army shall provide a report summarizing the status of all source areas listed in Table 1 which have not previously been addressed in a ROD as well as any other source areas discovered during the investigation. Included within this group of source areas will be those areas addressed in the companion agreement (which have not been addressed in earlier RODs). The Project Managers shall review the report, determine

what actions remain to be completed, (e.g. no further action, incorporate into a RI\FS, or continue with the two party action), and decide how best to implement those actions. The Army shall incorporate the Project Managers' decision into the last OU draft RI/FS Management Plan which as a primary document will be subject to dispute resolution (per Part XXI of the Agreement).

### 3.6 Quarterly Reports

Quarterly reports will be prepared by the Army to describe the technical progress at the Fort Richardson site. Quarterly reports will be submitted to U.S. EPA and ADEC as specified in the Agreement.

### 3.7 Recommended Training and Qualifications

To effectively and efficiently implement Attachment 1 activities, appropriate training and qualifications for all Parties' Project Managers are necessary. While the following list of training and qualifications is not required or subject to review and approval by any Party, it is recommended that all Project Managers have expertise or obtain training on a timely basis in the following subject areas:

- implementation of the terms and obligations under the Agreement and Attachment 1
- project management (using CPM)
- CERCLA, NCP, and RCRA (including relevant guidance), as they pertain to the Ft. Richardson FFA and Attachment 1
- Superfund remedial investigation and study procedures
- Superfund remedial design/action process
- available remedial action technologies
- OSHA Hazardous Waste Operations (29 CFR 1910.120)
- human health and ecological risk assessment
- public participation

### 3.8 Decision Process

The decision process leading to the Record of Decision (ROD) is initiated when there is adequate information to select an interim or final remedy for an OU, as determined by the project managers.



Records of Decision will be signed by the following persons: EPA Regional Administrator or his/her designee, ADEC Southcentral Regional Administrator, and the appropriate Army designee. All Proposed Plans and Record of Decisions, public review and comment periods, responsiveness summaries, and other mechanics of the decision process shall follow the NCP, US EPA guidance, and the Fort Richardson Community Relations Plan.

#### 4.0 Description of Post-ROD Remedial Activities

The decision process for each OU ends when the ROD is signed. If the ROD requires remedial action, a Remedial Design (RD) and Remedial Action (RA) Scope of Work (SOW) shall be developed after ROD signature to define schedules for successfully pursuing and completing the design and implementation of the remedy (Fig. 4).

#### 4.1 RD/RA Scoping

Within 21 days of issuance of each OU ROD the Army shall submit to ADEC and US EPA target dates and deadlines for completion of post-ROD documents in an RD/RA SOW. The RD/RA SOW shall establish the overall strategy for managing post-ROD activity, and shall propose a time-optimal way of phasing necessary elements of the remedial design along with the preliminary strategy for conducting the remedial action. At a minimum, this RD/RA SOW shall include:

- a description of each phase, or work element, of the design (including the intended scope of each phase), and the rationale supporting the break-out; in addition, for each RD work element:
  - a description of the design criteria and assumptions in terms of the technical requirements and performance standards contained in the ROD;
  - the "critical path" schedule for completion of the design (with identification of necessary secondary document deliverables);
  - a presentation of the assumptions regarding funding availability, design contractor limitations, and resource needs that have been used to establish the proposed schedules, and will be used in preparing the design;
  - a description of treatability studies &/or additional field data collection necessary to be

conducted either prior to, or concurrent with, the design; and

- a description of how projected short term risks associated with implementation of the work element will be assessed.
- the recommended overall RD/RA "critical path" enforceable schedule (through RA work element commencement). The schedule should include a description of the dependency of each RD work element and identification of primary document deliverables;
- anticipated overall post-ROD funding needs (for contractors, e.g.) to complete the remedial design, and funding availability;
- a proposed working schedule for completion of RD activities, and proposals to expedite those activities;
- an outline of suggested modifications to the Community Relations Plan &/or elements of the Plan which will be implemented during RD;
- identification of those secondary documents which are associated with the RD phase (e.g., 35% Design), and target submittal dates; and,
- a description of issues which require resolution or further analysis.

To streamline the RD/RA process, the RD/RA SOW is not defined as a primary document. The Project managers, however, will have 30 days after submittal to invoke dispute resolution (pursuant to Part XXI of the Agreement) regarding its content.

#### 4.2 RD Process

If necessary, the RD/RA SOW will call for the submittal of a 35% Design. The 35% Design will be a secondary document and will be developed to include:

- a description of the scope of all preliminary and/or draft design documents
- a description of documents required for other elements of the design (e.g., Operation and Maintenance (O&M) Plan, Site Health and Safety (H&S) Plan, Quality

Assurance Project Plan (QAPjP)), and schedules for their preparation

- cost estimation for RD
- requirements for correlations between plans and specifications
- identification of substantive permit requirements
- design approval procedures and requirements

Usually, one secondary design document -- the 35% (or, preliminary) Design -- shall be submitted during the RD process. The 35% Design shall include plans and specifications which have been identified in the RD/RA as crucial to an efficacious preliminary review.

A Pre-final Design (95% Design) shall include all aspects of the design, and shall be considered representative of approximately 95% design completion. Resolution of comments on the Pre-final Design, and preparation of reproducible drawings and specifications ready for RD procurement, will constitute the final 5% of the RD (to be submitted in the form of a Draft Final RD). The RD shall include:

- plans/specifications for RA (including design analysis and construction drawings/specifications)
- cost estimation for RA
- appropriate plans (e.g., O&M Plan, QAPjP, Site H&S Plan)
- results of additional required studies, if any
- a summary of ARARs and remediation goals/standards identified in the ROD, and a description of how the RD meets these requirements

#### 4.3 RA Process

The RA Workplan shall incorporate, by reference, pertinent aspects of the Pre-final Design (and/or the RD/RA SOW). In addition, the RA Workplan shall:

- specify all relevant changes (i.e., those changes which will impact RA) between the Pre-final Design and the final RD

- update (and expand upon) the RD/RA "critical path" schedule
- update (and expand upon) the RA cost estimation
- identify all additional RA secondary documents, as necessary

A Prefinal Inspection shall be conducted by the Project Managers, as needed, and possibly an independent fourth party, agreeable to the Project Managers. Following the inspection, the Army will prepare and submit the Prefinal Inspection Report. The Report will be finalized in the context of the RA report, and shall include:

- outstanding construction requirements
- actions required to resolve items
- completion date, and date of final inspection

At the completion of remedial action the Army shall prepare and submit an RA Report. The RA Report shall include:

- consolidation of any and all RA reports for individual work elements
- a brief description of outstanding items from the Prefinal Inspection Report
- synopsis of work discussed in the RA Workplan, and certification that this work was performed
- explanation of any modifications to the RA Workplan
- certification by an independent registered professional engineer that the implemented remedy is both operational and functional
- documentation necessary to support deletion of the site from the NPL

#### 4.4 O&M

At the completion of O&M activities the Army will prepare and submit an O&M Report. The Report will include:

- consolidation of any and all O&M reports for individual work elements

- description of the O&M activities performed
- results of site monitoring (verifying that the remedy meets the performance criteria)
- explanation of additional O&M (including monitoring) to be undertaken at the site

**Figure 1.**

**Timeline**

FIGURE 1: FORT RICHARDSON, ALASKA - OPERABLE UNIT B

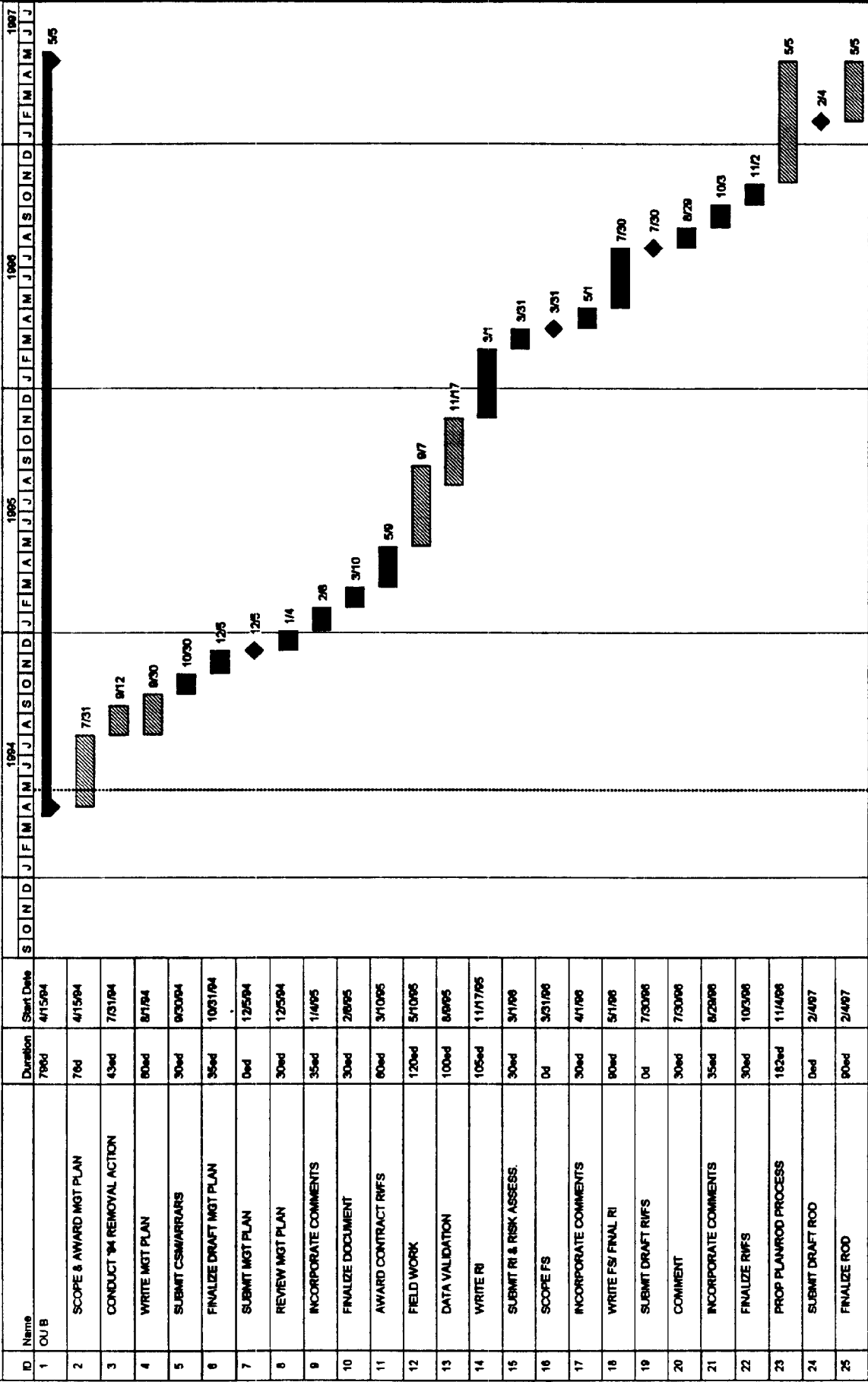


FIGURE 1: FORT RICHARDSON, ALASKA - OPERABLE UNIT C

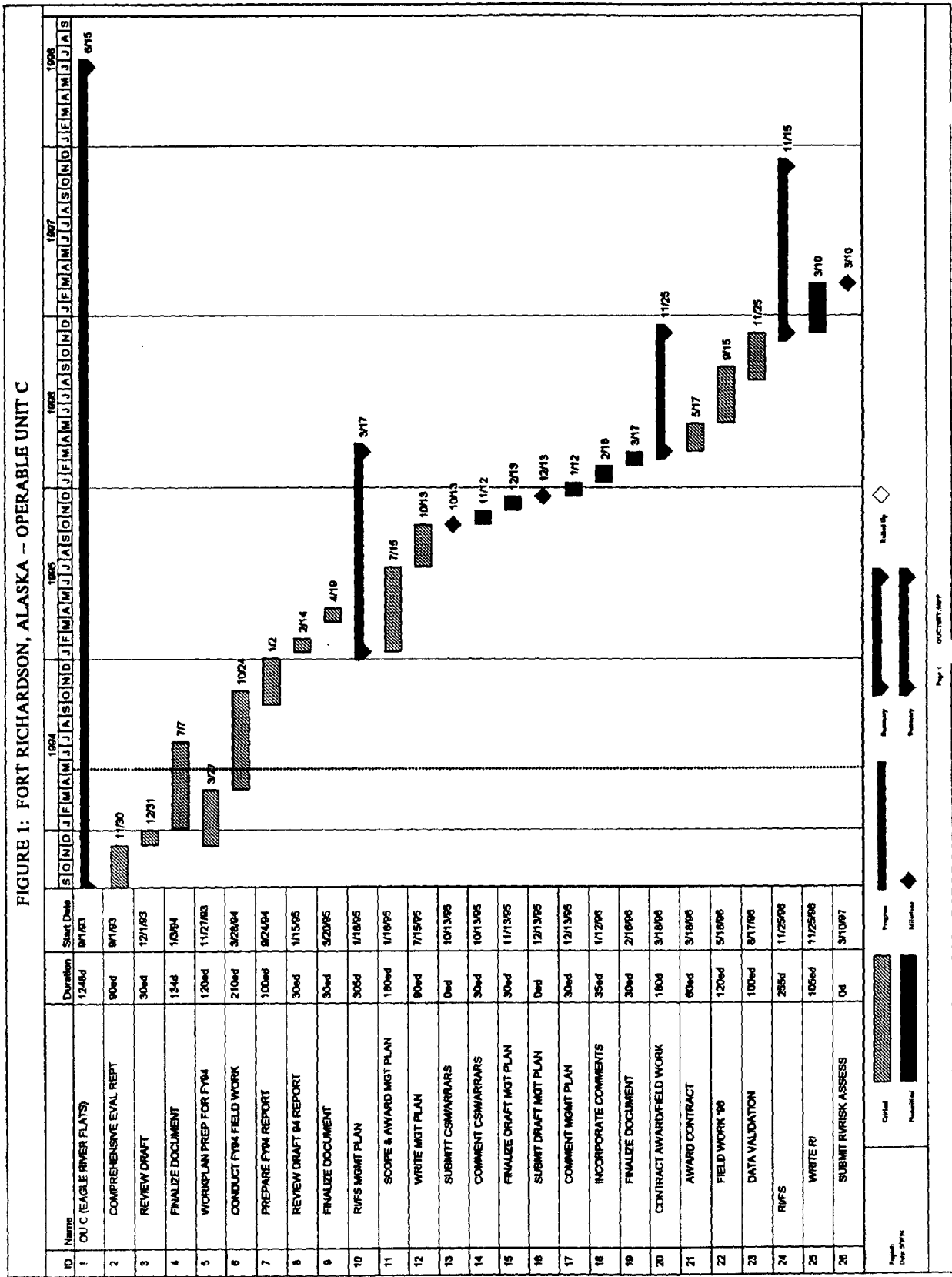




FIGURE 1: FORT RICHARDSON, ALASKA -- OPERABLE UNIT C

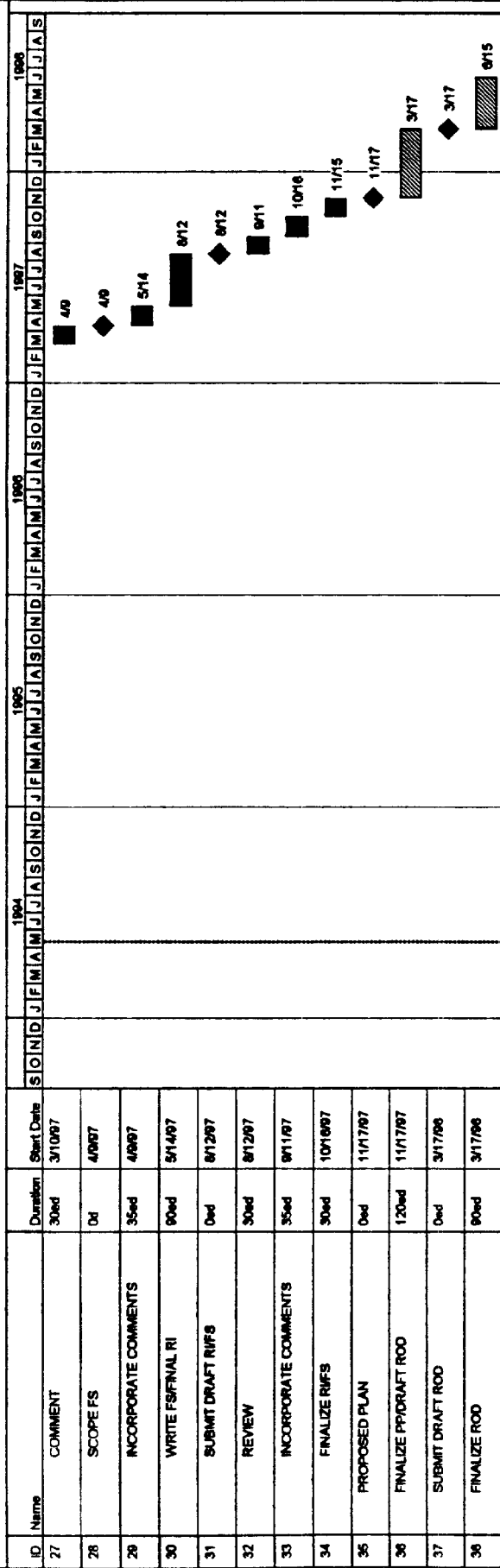
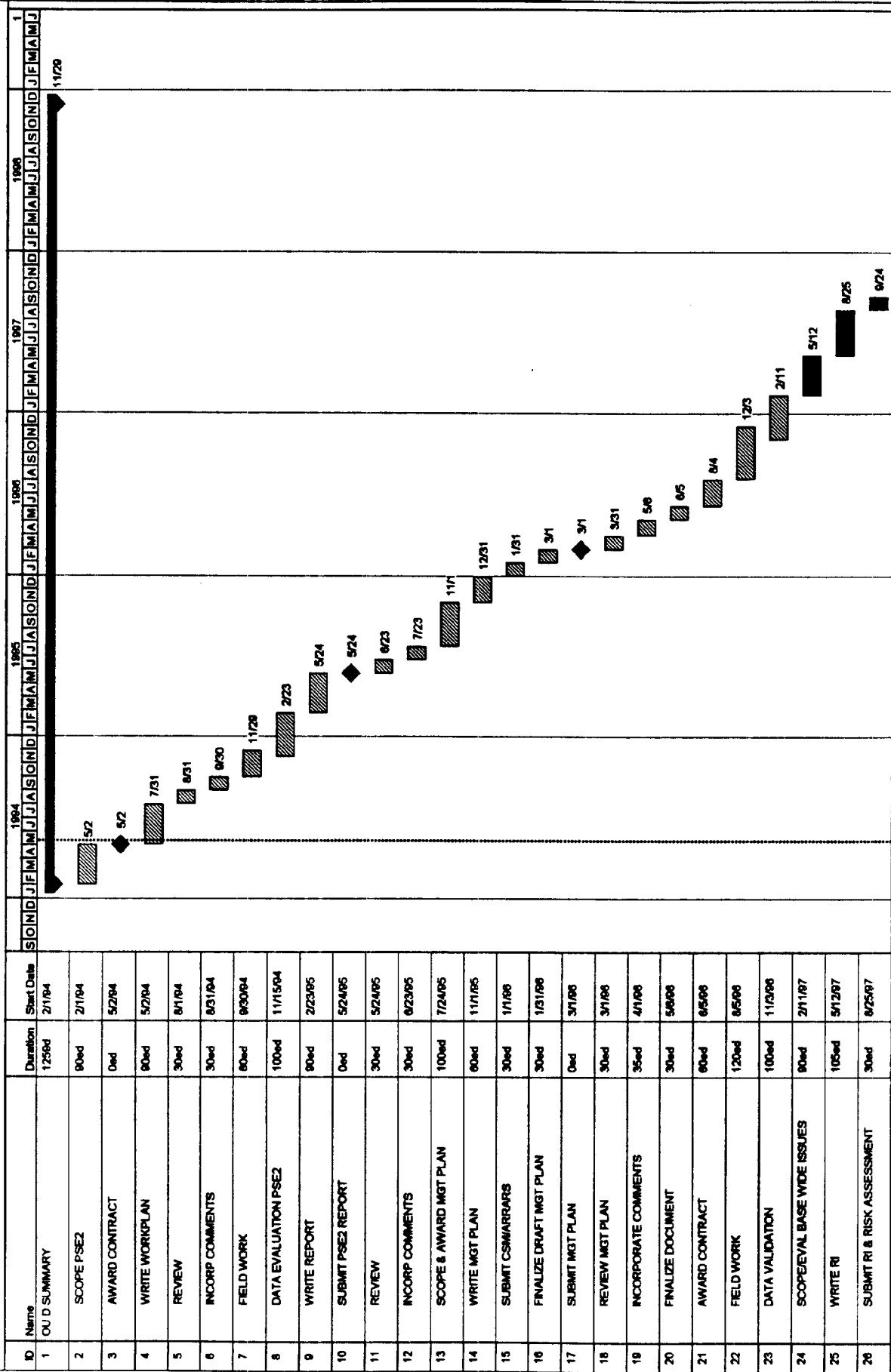


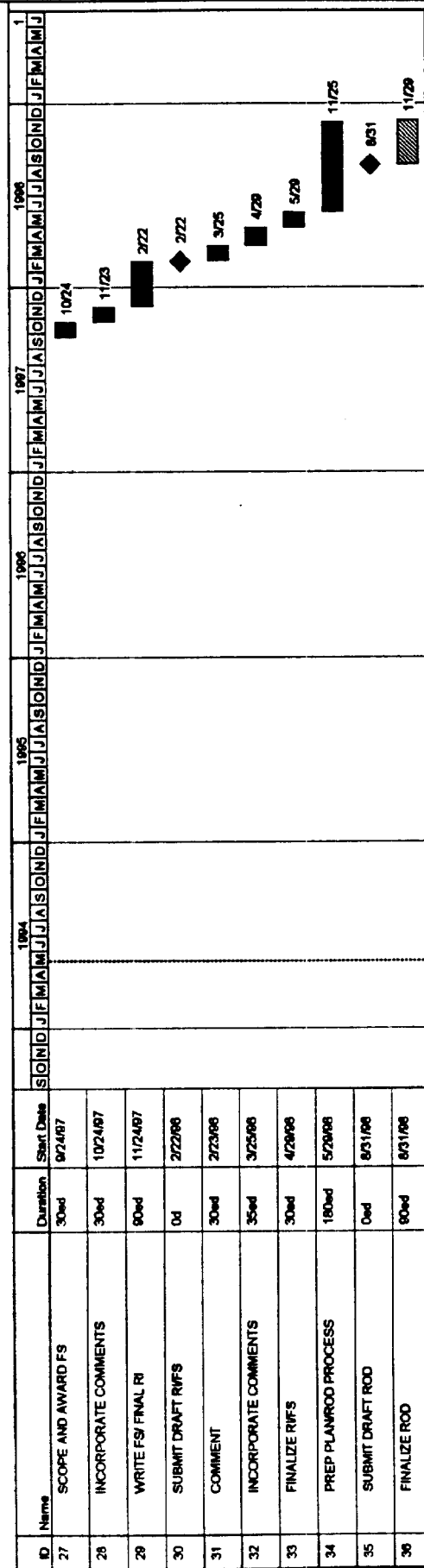
FIGURE 1: FORT RICHARDSON, ALASKA -- OU D



Legend:

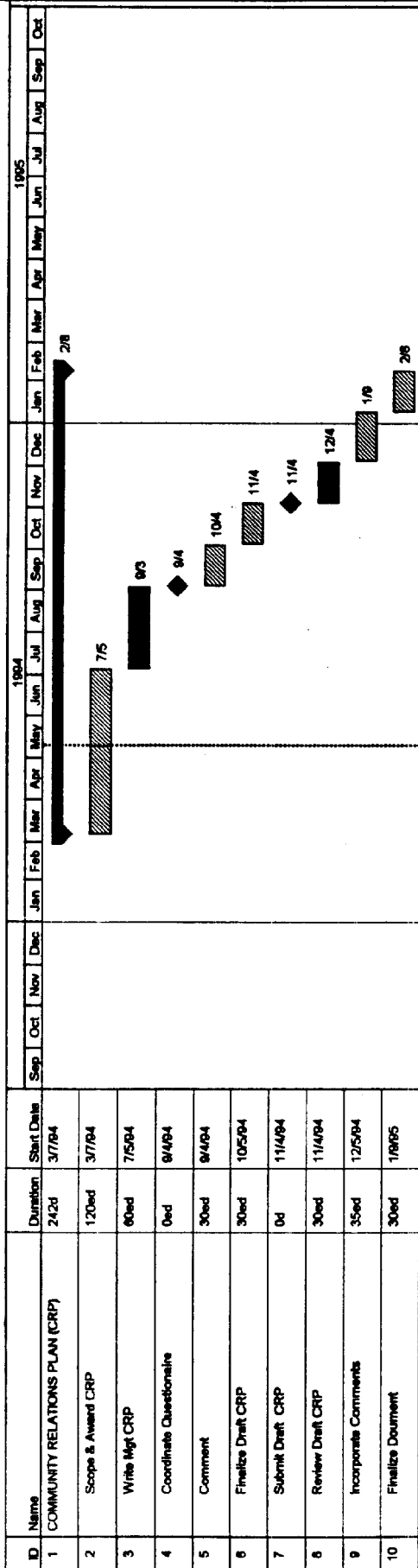
- █ Critical
- █ Non-Critical
- ▨ Progress
- ◆ Milestone
- ▬ Summary
- ◇ Ready to

FIGURE 1: FORT RICHARDSON, ALASKA -- OU D



Project:  
Date: 3/1/94

FIGURE 1: FORT RICHARDSON, ALASKA -- COMMUNITY RELATIONS PLAN



Critical  
 Resource  
 Milestone  
 Summary

**Figure 1.b. Generic timeline for RI/FS Implementation.**

<u>STEP</u>	<u>TIME (days)</u>
1. Contract time (Army)	90
2. Collection of data/info on sites, & development of CSM/DQO/ARAR/TBC document & RI/FS MP (Army)	150
write CSM/DQO/ARAR document & begin other parts of MP	(30)
review CSM doc. internally & continue work on rest of MP	(30)
finalize/re-write CSM document, & continue work on rest of MP	(30)
submit CSM document to prj. managers for review; get comments; & continue work on rest of MP	(30)
re-write MP (including CSM/DQO/ARAR portion of RI)	(30)
3. Internal Army Review of RI/FS MP	30
4. Finalization (internally) of RI/FS MP (Army)	30
5. Review of RI/FS MP (prj. managers)	30
-- then, Army revises MP 30 days after receiving comments, & submits for another (15 day) comment period.	
6. Field sampling/data collection and validation (Army)	420
-- within this timeframe the Army will begin writing the RI Report.	
-- approx. a year into this period the prj. managers will meet for several days to discuss RI data, progress	

-- EPA provides Army PP guidance & examples		
7.	Review of prelim RI info to direct development of Report (Prj. managers)	5
8.	Completion of RI Report, & prelim FS info (Army)	30
9.	Internal Army Review of RI Report	30
10.	Finalization (internally) of RI Report (Army)	30
11.	Review of RI Report (prj. managers)	30
-- then, Army revises RI within 30 days & submits for another comment period.		
12.	FS scoping (prj. managers)	5
13.	Preparation of RI/FS (Army)	30
14.	Internal Army Review of RI/FS	30
15.	Finalization (internally) of RI/FS Report (Army)	20
16.	Review of RI/FS Report (prj. managers)	30
-- then, Army revises RI/FS within 30 days & submits for another (15 day) comment period.		
17.	Finalization of RI/FS, preparation of Proposed Plan, & start of Public Comment period	100
	Preparation of PP "working draft" (Army)	(30)
-- including a 3 day Scoping meeting to develop PP annotated outline & graphics needs (prj. managers and Army contractor)		(3)
	Review of PP "working draft" (prj. managers)	(5)
	Prj. Managers meet to write 2nd draft of PP	(5)

	Review 2nd draft PP; Army, EPA & ADEC	(23)
	Prj. Managers meet to resolve comments on 2nd draft PP & to develop ROD annotated outline (include Army contractor)	(7)
	-- Army should begin preparation of ROD "working draft" at this time	
	Review of draft PP (Army, EPA, ADEC)	(20)
	Army reproduces PP & mails	(10)
18.	Public Comment period & Preparation of Draft ROD	82
	PUBLIC COMMENT PERIOD	(30)
	Review of ROD "working draft" (prj. managers)	(15)
	-- Army should begin preparation of Responsiveness Summary at this time	
	Prj. Managers meet to discuss "working draft" of ROD	(7)
	Army prepares draft ROD	(30)
19.	Review of draft ROD & Responsiveness Summary at Army, EPA, & ADEC	30
20.	Prj. Managers meet to resolve draft ROD comments & begin to "brief" internally	7
21.	Army prepares draft Final ROD	23
22.	Parties Review draft final ROD	15
23.	Final ROD concurrence briefs	21
24.	Final ROD due	X

**Figure 2**

**Primary Document Deadlines**

**OU-A**

<u>Pre-ROD</u>	dates	<u>Post-ROD</u>	dates
Management Plan	11/4/94	Pre-final Design	TBD*
Dft Final RI/FS	8/27/96	RA Work Plan	
Dft ROD	3/2/97	RA Report	
		O & M Plan	
		Close Out Rpt	

**OU-B**

Management Plan	12/5/94	Pre-final Design	
Dft Final RI/FS	7/30/96	RA Work Plan	
Dft ROD	2/4/97	RA Report	
		O & M Plan	
		Close Out Report	

**OU-C**

Management Plan	12/13/95	Pre-final Design	
Dft Final RI/FS	8/12/97	RA Work Plan	
Dft ROD	3/17/98	RA Report	
		O & M Plan	
		Close Out Report	

**OU-D**

Management Plan	3/1/96	Pre-final Design	
Dft Final RI/FS	2/22/98	RA Work Plan	
Dft ROD	8/31/98	RA Report	
		O & M Plan	
		Close Out Report	

\* To Be Determined



**Table 1.**  
**Potential Source Areas**

FORT RICHARDSON HAZARDOUS SUBSTANCE/WASTE SOURCE AREAS

TABLE 1

SITE #	OU	BLDG/LOC.	SITE FUNCTION	UNIT/ACTIVITY	POTENTIAL CONTAMINANTS	REL	UST	STATUS	NFA OR NFA JUSTIFICATION	1990 RFA SWMU	NOTES & REFS.
W020	A	966	POL LABORATORY DRYWELL	DOL	WASTE OIL, LUBRICANTS, AVIATION FUELS, SOLVENTS, ACID, ALCOHOL, REAGENTS	F	T	RIFS		90	USATHAMA 1991 PROPERTY REPORT AND RCRA FACILITY ASSESSMENT (1990 RFA)
W010	A	97500	ROOSEVELT ROAD TRANSMITTER SITE LEACHFIELD	PW	PCB'S IN TRANSFER OIL	T	F	RIFS		119	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W040	A	FMR LINDFELPS (RUFF ROAD)	RUFF ROAD FORMER FIRE TRAINING AREA	PW	CHLORINATED & MONOCHLOR. SOLVENTS	T	F	RIFS		97	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
N087	B	UCR02892	POLELINE ROAD DISPOSAL AREA	PW	DECON. SOLVENTS, SMOKE CANNISTERS, CW TRAINING MATERIAL	T	F	REMOVAL ACTION AND FURTHER SITE CHARACTERIZATION			NONE
W006	C	EAGLE RIVER FLATS	EAGLE RIVER FLATS IMPACT AREA	OPTSM	MUNITIONS RESIDUE, WHITE PHOSPHORUS, ROCKETS, MISSILES, TORPEDOES	T	F	RIFS		117	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W025	C	VIC. EAGLE RIVER FLATS	OPEN BURIED DEMO AREA	MULTIPLE UNITS/ACTIVITIES	POWDER BAGS, FUSES, TNT, GRENADES/JACKET MOTORS, PROJECTILES, ASH	F	F	RCRA CLOSURE		96	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W009	D	700	FORMER DRUM/PCB STORAGE AREA	PW	PCB, WASTE PAINT, HYDROCHLORIC ACID, METHYL ETHYL KETONE, MINERAL SPIRITS	F	F	PSE 2 & RCRA CLOSURE		1, 91	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
R053	D	704	FORMER ROADS AND GROUNDS DRUM STORAGE & WASTE ACCUMULATION AREA	PW	CONTAM. FUELS, WASTE PAINT, BRAKE FLUID, LUBRICANTS, OIL, JP-4, BALLAST WATER, WASTE SOLVENT, ASBESTOS	T	T	PSE 2 & RCRA CLOSURE		3, 4	1990 RFA
W016	D	726	FORMER LAUNDRY & DRYCLEANING UST*	DOL	PERCHLOROETHYLENE, SLUDGE	T	T	PSE 2		9, 10, 11, 12, 13, 14, 15, 120	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
R059	D	796	DOL MAINT. AREA - FORMER BATTERY ACID DISPOSAL SITE	DOL	NEUTRALIZED BTRY ACID, HEAVY METALS	T	T	PSE 2		37	1990 RFA
W023	D	36752	PCB SITE/UST (ANTENNA BLDG)	PW	PCB's, POL,	F	T	RCRA CLOSURE (INSIDE BLDG), CERCLA PSE 2 OUTSIDE		90	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W026	D	FRA RD4	DUST PALLIATIVE	PW	WASTE OIL, SOLVENT	F	F	PSE 2			USATHAMA 1991 PROPERTY REPORT
N090	D	UC39848	CIRCLE ROAD DRUM SITE	PW	POL	T	F	RCRA CLOSURE			NONE

WTE #	OU	BLDG/LOC.	SITE FUNCTION	UNACTIVITY	POTENTIAL CONTAMINANTS	REL	UST	STATUS	NFA OR NFA JUSTIFICATION	1990 RFA SWYNU	NOTES & REFS.
R080	D	955	USED OIL TRANSFER AREA (SLUDGE BIN)	DOL	USED OIL/FUEL	T	T	RCRA CLOSURE		41	1990 RFA
W015	D	FRA LANDFILL (EAST SIDE)	LANDFILL FORMER FRIE TRAINING AREA	PW	OIL, SOLVENT, TRANSMUTABLE/HYDRAULIC FLUID, WATER CONTAM. DIESEL, JP-4	T	F	PSE 2		96	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
R072	D	FRA LANDFILL (EAST SIDE), approx. 1000' SW of FF PIT #2	GREASE PIT #1	PW	COOKING GREASE, PETROLEUM, GREASE/OIL, ONW SEDIMENT SEPARATOR BOTTOMS, FUEL TANK WATER, ETHYL GLYCOL	F	F	PSE 2		92	1990 RFA
R073	D	FRA LANDFILL (EAST SIDE), approx. 1000' SW of FF PIT #2	GREASE PIT #2	PW	COOKING GREASE, PETROLEUM, GREASE/OIL, ONW SEDIMENT SEPARATOR BOTTOMS, FUEL TANK WATER, ETHYL GLYCOL	F	F	PSE 2		93	1990 RFA
R075	D	FRA	STORM DRAINAGE OUTFALL TO SHIP CREEK	PW	OILS, FUELS, SOLVENTS	F	F	PSE 2		115	1990 RFA
R067		765	AUTO & CRAFT SHOP	DFCA	WASTE PAINTS, GREASE, MINERAL SPIRITS, OIL	F	T	RCRA CLOSURE	PROPOSED NON-JUST TWO-PARTY SITE	27, 72	1990 RFA
N086		784	CANNIBALIZATION YARD	DOL		F	F		PROPOSED NON-JUST TWO-PARTY SITE		DRAFT ECAR, DEC '83
W002		48580	MOTOR POOL	CENTRAL TEXAS COLLEGE	WASTE OIL, LUBRICANTS, ANTIFREEZE, ACID, SOLV.	F	F	RCRA CLOSURE	PROPOSED NON-JUST TWO-PARTY SITE	83	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W021		47431	AIRCRAFT MAINTENANCE FACILITY	8123 AVN CO	DRY CLEAN SOLV., GREASE, HYDRAULIC FLUID, METHYL ETHYL KETONE, NAPHTHA WASTE FUELS/OIL	T	F		PROPOSED NON-JUST TWO-PARTY SITE	87	USATHAMA 1991 PROPERTY REPORT
W048		BLDG 39-900 (UPPER SITE SUMMIT), A LOWER SITE SUMMIT	FORMER NIKL MISSILE SITE	PW	WATER WIRE SODIAL SOLV., FUELS, RADIOACTIVE MATERIAL, ASBESTOS	F	F		PROPOSED NON-JUST TWO-PARTY SITE		USATHAMA 1991 PROPERTY REPORT
W004		604	MEDICAL LAB	MEDICAL ACTIVITY	FIXATIVE W/SLIVER, METHYL METHACRYLATE, REAGENTS	F	T	NFA	NO REPORTED SPILLS. WASTE GENERATED INSIDE BLDG. MEDICAL LAB REAGENT DISCHARGES INTO SANITARY SEWER SYSTEM.		USATHAMA 1991 PROPERTY REPORT
R051		700	PAINT SHOP SPRAY BOOTH	PW	WASTE PAINT	F	F	NFA	RELEASES TO SOIL, SURFACE WATER, OR GROUND WATER UNLIKELY; UNIT LOCATED INDOORS ON THIRD FLOOR; FILTERS CAPTURE AIR RELEASES.	2	1990 RFA
R054		704	ROADS AND GROUNDS WASH RACK SUMP AND OIL/WATER SEPARATOR	PW	WASHWATER W/OIL, GREASE, DIRT	F	T	NFA	UNIT IN GOOD CONDITION WITH LOW POTENTIAL FOR RELEASES.	5, 8	1990 RFA
N082		708	SELF-HELP SHOP	PW	POL. WASTE PAINT, SOLVENTS	F	F	NFA	NO REPORTED RELEASES TO SOIL, AIR, OR GROUND WATER.		NONE
R056		710	AAFES SERVICE STATION	AAFES	WASTE OIL	F	T	NFA	UNIT IN GOOD CONDITION WITH LOW POTENTIAL FOR RELEASES.	7	1990 RFA

SITE #	OU	BLDG/LOC.	SITE FUNCTION	UNIT/ACTIVITY	POTENTIAL CONTAMINANTS	REL	UNIT	STATUS	NFA OR NFA JUSTIFICATION	1990 RFA SWMU	NOTES & REFS.
W007		721	PESTICIDE STORAGE AREA	PW	INSECTICIDES, HERBICIDES, AVICIDES, RODENTICIDES, PAINT, DDT, RINSEATE	F	F	NFA	NO REPORTED SPILLS. WASTE GENERATED INSIDE BLDG. WASTE WATER DISCHARGES INTO SANITARY SEWER SYSTEM.	8	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W002		732	MOTOR POOL	813 EN BN	WASTE OIL, LUBRICANTS, ANTIFREEZE, ACID, SOLV.	T	T	NFA	UST TWO-PARTY SITE; NO OTHER REPORTED RELEASES TO AIR, SOIL, OR GROUND WATER	16, 71	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
N005		740	FORMER PAINT BOOTH	PW	WASTE PAINTS, SOLVENTS	F	F	NFA	NO REPORTED RELEASES TO SOIL, AIR, OR GROUND WATER.		DRAFT ECAR, DEC '93
W018		740	MAINTENANCE SHOP, WASHRACK & O/W SEP.	PW	OL/OIL/GREASE FROM WASH	F	T	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO OW, SW, OR AIR.	17, 18, 19	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W018		750	MOTOR POOL, WASHRACK & O/W SEP.	FORMERLY 1-17 IN BN	OL/OIL/GREASE FROM WASH	F	T	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO OW, SW, OR AIR.	20, 21, 22, 23, 24	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W018		750	MOTOR POOL, WASHRACK & O/W SEP.	1-501 IN BN	OL/OIL/GREASE FROM WASH	F	T	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO OW, SW, OR AIR.	20, 21, 22, 23, 24	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
P003		754	O/W SEPARATOR	POST CAR WASH	WASH WATER W/OIL, GREASE, FUEL	T	F	NFA	UNIT IN GOOD CONDITION WITH LOW POTENTIAL FOR RELEASES.	25	1990 RFA
W018		756	MOTOR POOL, WASHRACK & O/W SEP.	4-11 FA BN	OL/OIL/GREASE FROM WASH	F	T	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO OW, SW, OR AIR.	26, 29, 73	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
N004		764	MOTOR POOL	SP TRIPS BN	WASTE OIL, LUBRICANTS, ANTIFREEZE, ACID, SOLV.	F	F	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO OW, SW, OR AIR.		NONE
W002		770	MOTOR POOL	106 MI BN	WASTE OIL, LUBRICANTS, ANTIFREEZE, ACID, SOLV.	F	T	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO OW, SW, OR AIR.	75	
W008		772	IN-SERVICE TRANSFORM.	PW	PCB'S IN TRANSFER OIL	F	T	NFA	TRANSFORMER INSIDE SECURE BUILDING. SUFFICIENT CONCRETE CURBING AROUND TRANSFORMER TO CONTAIN SPILLS. NO FLOOR DRAIN		USATHAMA 1991 PROPERTY REPORT
W018		778	MOTOR POOL, WASHRACK & O/W SEP.	9 SIG BN	OL/OIL/GREASE FROM WASH	F	T	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO OW, SW, OR AIR.	31, 76	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W018		782	VEH. WASHRACK & O/W SEP.		OL/OIL/GREASE FROM WASH	F	T	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO OW, SW, OR AIR.		USATHAMA 1991 PROPERTY REPORT
W018		784	MOTOR POOL, WASHRACK & O/W SEP.	308 F88	OL/OIL/GREASE FROM WASH	F	T	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO OW, SW, OR AIR.	32, 77	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA

FORT RICHARDSON HAZARDOUS SUBSTANCE/WASTE SOURCE AREAS

TABLE 1

SITE #	OU	BLDG/ LOC.	SITE FUNCTION	UNIT/ACTIVITY	POTENTIAL CONTAMINANTS	REL	UNIT	STATUS	NFA OR NFA JUSTIFICATION	1990 RFA SWMU	NOTES & REFS.
W001		788	OSGS MAINTENANCE FACILITY	308 FBB	TCE, WASTE SOLVENT/OIL, GREASE, PAINT, ACID	F	F	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	78	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W018		786	VEH. WASH-RACK & O/W SEP.	DOL	OIL/GREASE FROM WASH	F	T	NFA	UNIT IN GOOD CONDITION WITH LOW POTENTIAL FOR RELEASES.	34	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
R066		796	SPRAY PAINT BOOTH AND VEHICLE & WEAPONS SHOP	DOL	ENAMEL/CARC PAINT FUME	F	T	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	36	1990 RFA
W001		796	OSGS MAINTENANCE	98 MAINT CO MAINT FAC	TCE, WASTE SOLVENT/OIL, GREASE, PAINT, ACID	F	T	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	78	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W011		802	SUPPLY WAREHOUSE	MULTIPLE UNITS/ACTIVITIES	SOLVENTS, WASTE OIL, REAGENTS, PHOTO FIXATIVE, WASTE PAINT/LITHIUM BATTERIES, HVY METALS	F	F	NFA	NO REPORTED SPILLS. WASTE GENERATED INSIDE BLDG. WASTE WATER DISCHARGES INTO SANITARY SEWER SYSTEM.		USATHAMA 1991 PROPERTY REPORT
W012		802	RAD. MATRL. STORAGE	MULTIPLE UNITS/ACTIVITIES	PDR-27, KRYPTON-85, PROMETHIUM-147, TRITIUM, RADIUM	F	F	NFA	NO REPORTED SPILLS. WASTE GENERATED INSIDE BLDG. WASTE WATER DISCHARGES INTO SANITARY SEWER SYSTEM.		USATHAMA 1991 PROPERTY REPORT
W011		804	SUPPLY WAREHOUSE	MULTIPLE UNITS/ACTIVITIES	SOLVENTS, WASTE OIL, REAGENTS, PHOTO FIXATIVE, WASTE PAINT/LITHIUM BATTERIES, HVY METALS	F	F	NFA	NO REPORTED SPILLS. WASTE GENERATED INSIDE BLDG. WASTE WATER DISCHARGES INTO SANITARY SEWER SYSTEM.		USATHAMA 1991 PROPERTY REPORT
W012		804	RAD. MATRL. STORAGE	MULTIPLE UNITS/ACTIVITIES	PDR-27, KRYPTON-85, PROMETHIUM-147, TRITIUM, RADIUM	F	F	NFA	NO REPORTED SPILLS. WASTE GENERATED INSIDE BLDG. WASTE WATER DISCHARGES INTO SANITARY SEWER SYSTEM.		USATHAMA 1991 PROPERTY REPORT
W018		812	MOTOR POOL, WASH-RACK & O/W SEP.	HHC-18T BDE	OIL/GREASE FROM WASH	F	T	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	40, 80	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W003		908	PRINT SHOP/PHOTO LAB	DOIM	GREASE, MINERAL SPIRITS, OIL, SOLV, INK, SILVER, RAGS	F	T	NFA	NO REPORTED SPILLS. WASTE GENERATED INSIDE BLDG. WASTE WATER DISCHARGES INTO SANITARY SEWER SYSTEM.		USATHAMA 1991 PROPERTY REPORT
W018		974	VEH. WASH-RACK & O/W SEP.	DOL	OIL/GREASE FROM WASH	F	T	NFA	UNIT IN GOOD CONDITION WITH LOW POTENTIAL FOR RELEASES.	48	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
R001		974	SFER SHOP	DOL	USED OIL/SOLVENTS, CHLORINATED SOLV., ANTIFREEZE, GREASE, POTASSIUM HYDROXIDE, WASTE WATER, TRICHLOROETHANE, BRAKE FLUID, CONTAM. OIL/DIESEL	F	T	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER;	44	1990 RFA
R002		974	SFER SHOP -- WASTE SOLVENT (TCE) ACCUMULATION AREA	DOL	TCA	F	T	NFA	RELEASE TO GROUND OR SURFACE WATER UNLIKELY DUE TO STORAGE OF SPENT SOLVENT DRUM RACK ON A CONCRETE BASIN.	45	1990 RFA
R001		974	FUEL BLUDET CLING AREA	DOL	WASHWATER W/FUEL, DETERG.	F	T	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER; SURFACE OF CLEANING AREA IS COATED CONCRETE W/GRUB.	46, 47	1990 RFA

FORT RICHARDSON HAZARDOUS SUBSTANCE/WASTE SOURCE AREAS

TABLE 1

WTE #	OU	BLDG/LOC.	SITE FUNCTION	UNIT/ACTIVITY	POTENTIAL CONTAMINANTS	REL	URT	STATUS	NFA OR RFA JUSTIFICATION	1990 RFA SYMBOL	NOTES & REFS.
W018		975	ELECTRONICS MAINTENANCE SHOP, VEH. WASHRACK & O/W SEP.		OIL/GREASE FROM WASH	F	T	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	50, 51, 52	URATHAMA 1991 PROPERTY REPORT AND 1990 RFA
R006		976	MAINT SHOP, ACID BATH/TK	DOL	WASTE ACIDS	F	T	NFA	UNIT LOCATED INSIDE BUILDING; NO REPORTED RELEASES TO SOIL, AIR, OR GROUND WATER; UNIT INACTIVE SINCE 1974; UNIT HAS BEEN REMOVED.	56	1990 RFA
R006		976	MAINT SHOP, FIBERGLAS FLT.	DOL	FIBERGLASS PARTICLES	F	T	NFA	FILTERS LOCATED INSIDE ALUMINUM BOX INSIDE BUILDING; NO REPORTED RELEASES TO SOIL, AIR, OR GROUND WATER.	57	1990 RFA
R007		978	PHOTO LAB, SILVER RECOV.	DPTSM	HYPHO SOLUTION	F	F	NFA	SELF-ENCLOSED UNIT INSIDE BUILDING; NO REPORTED RELEASES TO SOIL, AIR, OR GROUND WATER.	58	1990 RFA
R008		978	TABC PAINT SPRAY BOOTH	DPTSM	WASTE PAINTS	F	F	NFA	UNIT LOCATED INSIDE BUILDING; NO REPORTED RELEASES TO SOIL, AIR, OR GROUND WATER.	59	1990 RFA
W001		988	RETAIL FUEL STORAGE YD	DOL	DIESEL FUEL, GASOLINE	F	T	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER.		URATHAMA 1991 PROPERTY REPORT
R078		27006	MOOSE RUN GOLF CRSE	DPCA	GREASE, OIL	F	F	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	81	1990 RFA
W046		28002	WATER TREATMENT PLANT	PW	FILTER BACKWASH WATER, SETTLED SLUDGE, FUEL OIL	F	F	NFA	SUBJECT TO NPDES PERMIT MONITORING		URATHAMA 1991 PROPERTY REPORT
W028		38012	CENT. HEAT & PWR PLANT/WASTE ACCUM. AREA	PW	DIESEL FUEL, COAL, FLY ASH	T	T	NFA	SINCE UNIT IS COVERED, PAVED, AND HANDLED SMALL QUANTITIES OF WASTE, RELEASE TO GROUND WATER OR SURFACE WATER UNLIKELY.	82, 104-114	URATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W027		38013	CLASSIFIED WASTE INCIN.		CLASSIFIED WASTE, ASH	T	T	NFA	DUE TO ABSENCE OF HAZARDOUS CONSTITUENTS IN WASTES, NO POTENTIAL FOR HARMFUL RELEASES.	103	URATHAMA 1991 PROPERTY REPORT AND 1990 RFA
R079		45040	BOAT SHOP	DPCA	ANTIFREEZE, DRYCLEAN SOLVENT, OIL, PAINT THINNER	F	F	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	82	1990 RFA
W022		45125	HAZ WASTE STORAGE FAC.	PW	WASTE SOLVENT/OIL/PAINT FUEL, PCB-CONTAM. MATERIAL	F	F	NFA	INVESTIGATE LAW RCRA PERMITTING PROCESS	88	URATHAMA 1991 PROPERTY REPORT AND 1990 RFA
R071		45133	HAZ WASTE STORAGE AREA	PW	CONTAM. SOILS (OIL/FUEL)	F	F	NFA	INVESTIGATE LAW RCRA PERMITTING PROCESS	89	1990 RFA
W081		45700	178 EOD MAINT FAC	178 EOD		F	F	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.		NONE
W018		45728	23 EN CO MAINTENANCE FACILITY, WASHRACK & O/W SEP.	23 EN CO	OIL/GREASE FROM WASH	F	T	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	84, 85	URATHAMA 1991 PROPERTY REPORT AND 1990 RFA

WASTE #	OU	BLDG/LOC.	SITE FUNCTION	UNIT/ACTIVITY	POTENTIAL CONTAMINANTS	REL	UBT	STATUS	NFA OR NFA JUSTIFICATION	1990 RFA SHMMU	NOTES & REFS.
W006		47403	AIRCRAFT MAINTENANCE FACILITY	B123 AVN CD	WASTE JP-4, JET FUEL, OIL, HYDRAULIC FLUID, PETROL, NAPHTHA, HEAVY METALS	F	T	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER.		NONE
W021		47437	AIRCRAFT MAINTENANCE FACILITY	AK ARMO	WASTE JP-4, JET FUEL, OIL, HYDRAULIC FLUID, PETROL, NAPHTHA, HEAVY METALS	F	F	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER.	86, (1990 RFA MISTAKENLY LISTS AS BLDG 47727 - NO SUCH BUILDING ON RECORD)	USATHAMA 1991 PROPERTY REPORT, 1990 RFA
W021		47430	AIRCRAFT MAINTENANCE FACILITY	B123 AVN CD	WASTE JP-4, JET FUEL, OIL, HYDRAULIC FLUID, PETROL, NAPHTHA, HEAVY METALS	F	F	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER.		USATHAMA 1991 PROPERTY REPORT
W018		47430	AC WASHRACK & O/W SEP.	B123 AVN CD	OIL/GREASE FROM WASH	F	F	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER.		USATHAMA 1991 PROPERTY REPORT
W070		47432	AIRCRAFT MAINTENANCE FACILITY	B123 AVN CD	WASTE JP-4, JET FUEL, OIL, HYDRAULIC FLUID, PETROL, NAPHTHA, HEAVY METALS	F	F	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER.	84	
W021		47433	AIRCRAFT MAINTENANCE FACILITY	B123 AVN CD	WASTE JP-4, JET FUEL, OIL, HYDRAULIC FLUID, PETROL, NAPHTHA, HEAVY METALS	F	F	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER.		USATHAMA 1991 PROPERTY REPORT
W084		47841	AIRCRAFT MAINTENANCE FACILITY	FLYING CLUB	WASTE FUEL, GREASE, OIL	F	T	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER.	86	1990 RFA
W027		47811	VETERINARY INCN.	MEDAC	ANIMAL CARCASSES, INFECTIOUS WASTE, ASH	T	T	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER.	102	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W024		55295	AMMO DEACTIV. FURNACE	DOL	WASTE SMALL CAL. AMMO, CARTRIDGES, ASH, HVT METALS, PROPELLANT, PRIMERS, FUZES	F	T	NFA UNDER CERCLA	PENDING PERMIT APPLICATION	101	USATHAMA 1991 PROPERTY REPORT
W088		59000	AK ARMO VEH MAINT FAC	AK ARMO	WASTE FUEL, GREASE, OIL, SOLVENTS, ANTI-FREEZE, OIL/GREASE FROM WASH	F	T	NFA	STATE OF THE ART UNIT LOCATED INSIDE BUILDING; NO REPORTED RELEASES TO SOIL, AIR, OR GROUND WATER.		NONE
W013		AMMO AREA C	RAD. MATR. DISPOSAL	DOL	RADIOACTIVE WASTES	F	F	NFA	INACTIVE SITE WITH NO KNOWN RELEASES.		USATHAMA 1991 PROPERTY REPORT
W005		VARIOUS FIELD LOCATIONS	OPEN BURNING SITES AND FIRING RANGES/IMPACT AREAS	DPTSM	LEAD, MUNITIONS WASTE FROM MORTAR, SMALL ARMS, GRENADES, ROCKETS	F	F	NFA	ACTIVE TRAINING FACILITIES FOR MARKSMANSHIP/COUNTY TRAINING WITH NO EVIDENCE OF ADVERSE ENVIRONMENTAL EFFECTS.	100	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W017		FIELD LOC	SEPTIC TANKS/LEACH FLDS	MULTIPLE UNITS/ACTIVITIES	SAN. WASTE WATER, INDUSTRIAL WASTEWATER	F	T	NFA	NO EVIDENCE OF PAST RELEASES		USATHAMA 1991 PROPERTY REPORT
W048		FIELD LOC	SPILL AREAS	MULTIPLE UNITS/ACTIVITIES	DIESEL, MGDAS, JP-4	T	F	NFA	ALL KNOWN SPILL SITES REMEDIATED.		USATHAMA 1991 PROPERTY REPORT
W041		FRA	ABOVE GND STORAGE TANKS	MULTIPLE UNITS/ACTIVITIES	DIESEL, GASOLINE, HTMG OIL	F	T	NFA	SUFFICIENT CONTROLS IN PLACE; NO EVIDENCE OF PAST RELEASES		USATHAMA 1991 PROPERTY REPORT
W042		FRA	ABOVE GND STORAGE TANKS	MULTIPLE UNITS/ACTIVITIES	DIESEL, GASOLINE, HTMG OIL	F	T	NFA	SUFFICIENT CONTROLS IN PLACE; NO EVIDENCE OF PAST RELEASES		USATHAMA 1991 PROPERTY REPORT

SITE #	OU	BKGU/LOC.	SITE FUNCTION	UNIT/ACTIVITY	POTENTIAL CONTAMINANTS	REL	UBT	STATUS	NFA OR NFA JUSTIFICATION	1990 RFA SYNNU	NOTES & REFS.
W043		FRA	UNDERGROUND STORAGE	MULTIPLE UNITS/ACTIVITIES	DIESEL, MOGAS, WASTE OIL,	T	T	NFA	SUBJECT TO UBT TWO-PARTY AGREEMENT	7, 16, 19, 23, 24, 26, 28, 30, 35, 36, 39, 42, 43, 46, 53, 61, 62, 66, 68, 69, 70, 119, 120	UBATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W044		FRA	FORMER UBTs	MULTIPLE UNITS/ACTIVITIES	DIESEL, MOGAS, FUEL OIL,	T	T	NFA	SUBJECT TO UBT TWO-PARTY AGREEMENT		UBATHAMA 1991 PROPERTY REPORT
W045		FRA	FORMER UBTs	MULTIPLE UNITS/ACTIVITIES	WASTE OIL, FUEL OIL	T	T	NFA	SUBJECT TO UBT TWO-PARTY AGREEMENT		UBATHAMA 1991 PROPERTY REPORT
R076		FRA	SANITARY SEWER SYSTEM	PW	SANITARY/INDUSTRIAL WASTEWATER W/OILS, GREASE	F	F	NFA	SUBJECT TO NPDES PERMIT MONITORING	116	1990 RFA
W032		LANDFILL #1, east sector of FRA LF; 400 acres	LANDFILL	PW	SANITARY WASTE, WASTE OIL/BRAKE FLUID, PESTICIDES	T	F	NFA UNDER CERCLA	PENDING CLOSURE	94, 95	UBATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W033		LANDFILL #2, north-central sector of FRA LF; 338 acres	LANDFILL	PW	SAN. WASTE, UNKNOWN		F	NFA UNDER CERCLA	PENDING CLOSURE		UBATHAMA 1991 PROPERTY REPORT
W034		LANDFILL #3, south-central sector of FRA LF; 90 acres	LANDFILL	PW	SAN. WASTE, UNKNOWN		F	NFA UNDER CERCLA	PENDING CLOSURE		UBATHAMA 1991 PROPERTY REPORT
W035		LANDFILL #4, southwest sector of FRA LF; 3 acres	LANDFILL	PW	CONSTRUCTION DEBRIS		F	NFA UNDER CERCLA	PENDING CLOSURE		UBATHAMA 1991 PROPERTY REPORT
W036		LANDFILL #5, northwest sector of FRA LF; 3 acres	LANDFILL	PW	CONSTR. DEBRIS, SANITARY WASTE, METAL, WOOD, ASBESTOS, EXPLOSIVES, INFECTIOUS WASTE		F	NFA UNDER CERCLA	PENDING CLOSURE		UBATHAMA 1991 PROPERTY REPORT
W037		LANDFILL #6, west edge of FRA LF; unk. a/c	LANDFILL	PW	UNKNOWN		F	NFA UNDER CERCLA	PENDING CLOSURE		UBATHAMA 1991 PROPERTY REPORT
W038		LANDFILL #7, adjacent to old Davis Glenn Highway, approx. 3 km south of the Eagle River; 3 acres	LANDFILL	PW	SANITARY WASTE		F	NFA UNDER CERCLA	PENDING CLOSURE		UBATHAMA 1991 PROPERTY REPORT
W039		LANDFILL #8, adj. to old Davis Glenn Highway, approx. 3 km south of the Eagle River; 3 acres	LANDFILL	PW	CARS W/WASTE OIL, JUNK		F	NFA UNDER CERCLA	PENDING CLOSURE		UBATHAMA 1991 PROPERTY REPORT
N089		UC553983	RT BRAVO TRANSFORMER SITE (VIC. OWEN LAKE)	PW	PCBs, METALS		F	NFA	CONTAMINANTS BELOW EPA ACTION LEVELS		USPACE/HEA REPORT, 31 JAN 84

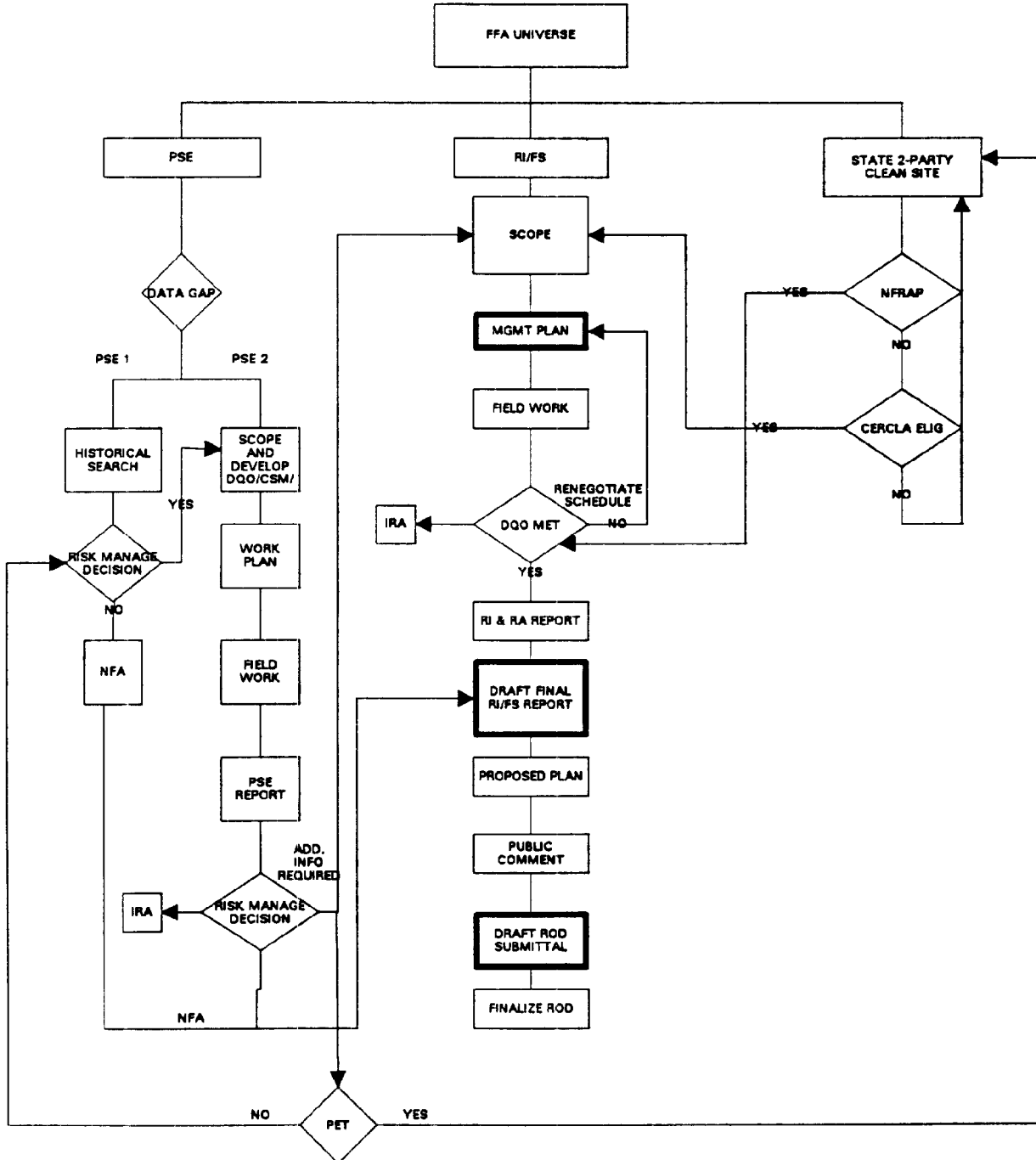


FORT RICHARDSON HAZARDOUS SUBSTANCE/WASTE SOURCE AREAS

TABLE 1

SITE #	OU	BLDG/ LOC.	SITE FUNCTION	UNIT/ACTIVITY	POTENTIAL CONTAMINANTS	REL	UNIT	STATUS	MFA OR MFA JUSTIFICATION	1990 RFA SWMU	NOTES & REFS.
W029		AMMO HOLDING AREA	AMMO SUPPLY POINT	DOL	AMMUNITION	F	F	MFA	AMMO SECURED INSIDE CONCRETE BUNKERS. NO KNOWN RELEASES WITHIN ASP COMPOUND.		USATHAMA 1991 PROPERTY REPORT
R074		VIC. UCS 7959	TRANSFER STATION	PW	FRA SOLID WASTE, ASBESTOS	F	F	MFA	NO REPORTED RELEASES TO SOIL, AIR, OR GROUND WATER.	96	1990 RFA

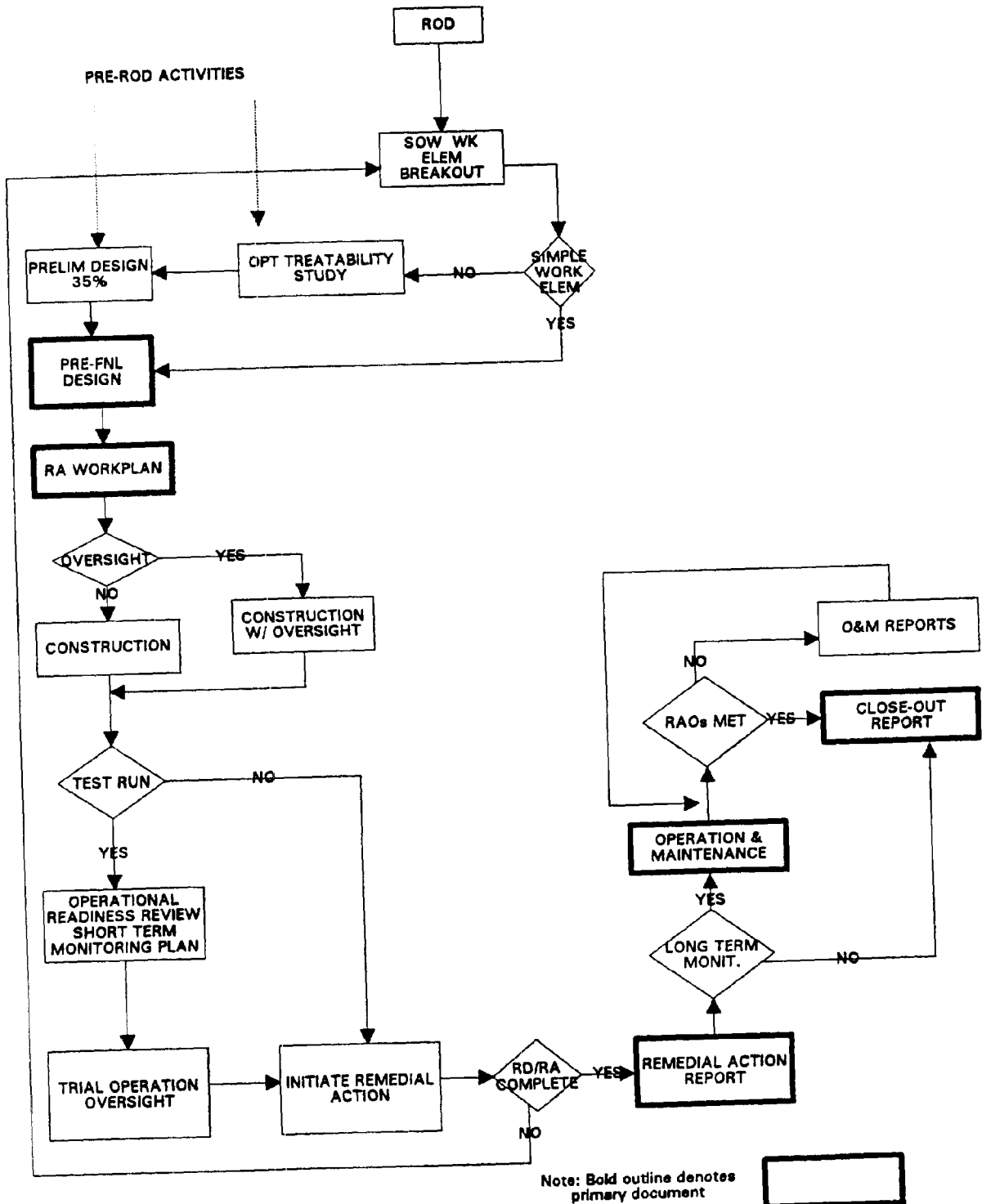
**FIGURE 3  
PRE-ROD  
ACTIVITIES**



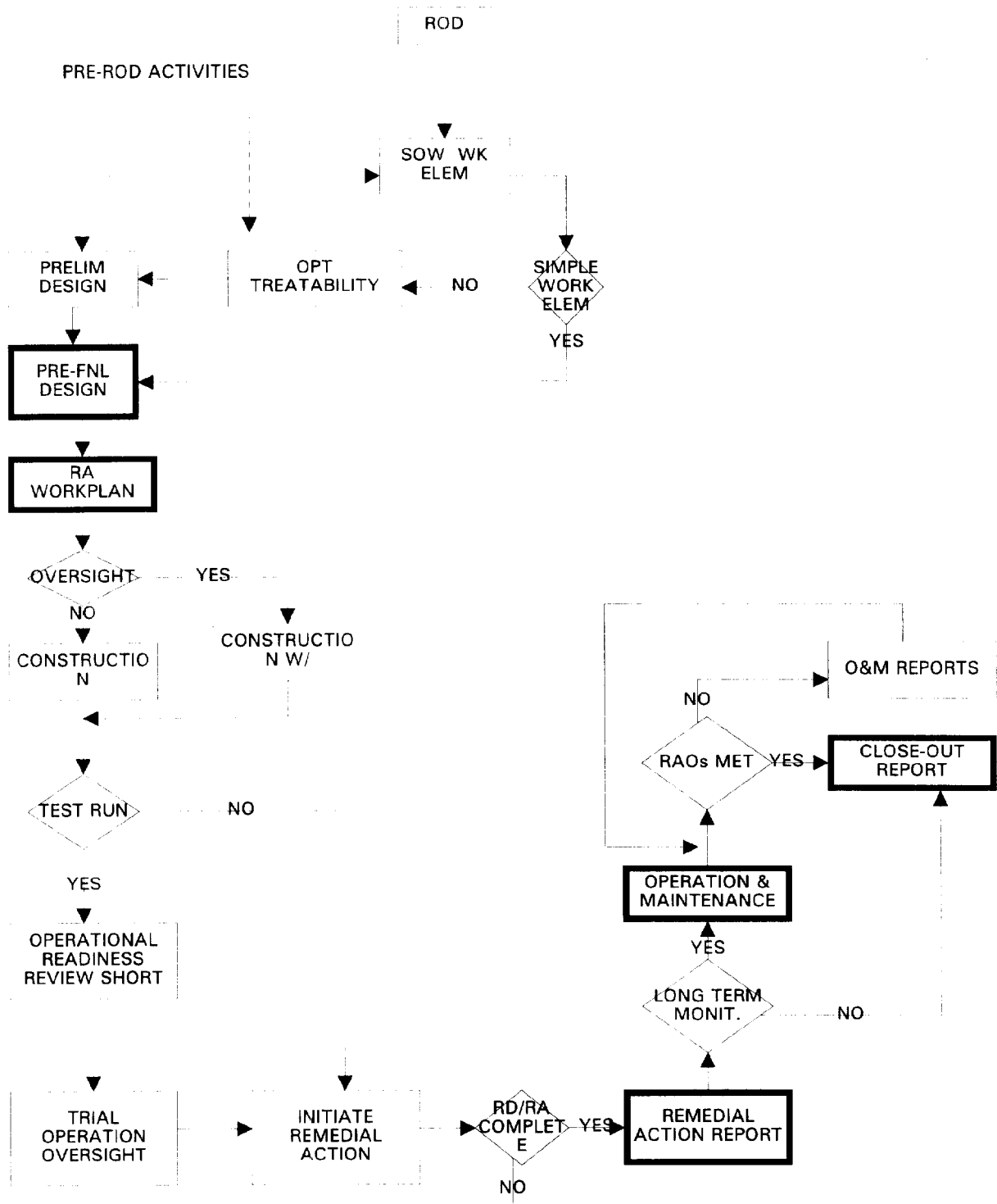
Note: Bold outline denotes primary document



**FIGURE 4  
POST-ROD ACTIVITIES**



# FIGURE 4



Note: Bold outline denotes primary document

