

1 dollars (\$5,000) for the first week (or part thereof), and ten  
2 thousand dollars (\$10,000) for each additional week (or part  
3 thereof) for which a failure set forth in this Paragraph occurs.

4           23.2       Upon determining that the Army has failed in  
5 a manner set forth in Paragraph 23.1, U.S. EPA shall so notify the  
6 Army in writing. If the failure in question is not already subject  
7 to dispute resolution at the time such notice is received, the Army  
8 shall have fifteen (15) days after receipt of the notice to invoke  
9 dispute resolution on the question of whether the failure did, in  
10 fact, occur. The Army shall not be liable for the stipulated  
11 penalty assessed by U.S. EPA if the failure is determined, through  
12 the dispute resolution process, not to have occurred. No  
13 assessment of a stipulated penalty shall be final until the  
14 conclusion of dispute resolution procedures related to the  
15 assessment of the stipulated penalty.

16           23.3       The annual reports required by Section  
17 120(e)(5) of CERCLA, 42 U.S.C. § 9620(e)(5), shall include, with  
18 respect to each final assessment of a stipulated penalty against  
19 the Army under this Agreement, each of the following:

- 20           a.    The facility responsible for the failure;
- 21           b.    A statement of the facts and circumstances  
22                giving rise to the failure;
- 23           c.    A statement of any administrative or other  
24                corrective action taken at the relevant  
25                facility, or a statement of why such measures  
26                were determined inappropriate;
- 27           d.    A statement of any additional action taken by  
28                or at the facility to prevent recurrence of  
              the same type of failure; and

1 e. The total dollar amount of the stipulated  
2 penalty assessed for the particular failure.

3 23.4 Stipulated penalties assessed pursuant to this  
4 Part shall be payable to the Hazardous Substances Response Trust  
5 Fund only in the manner and to the extent expressly provided for in  
6 Acts authorizing funds for, and appropriations to, the U.S.  
7 Department of Defense.

8 23.5 In no event shall this Part give rise to a  
9 stipulated penalty in excess of the amount set forth in Section 109  
10 of CERCLA, 42 U.S.C. § 9609.

11 23.6 This Part shall not affect the Army's ability  
12 to obtain an extension of a timetable, deadline, or schedule  
13 pursuant to Part XXV of this Agreement.

14 23.7 Nothing in this Agreement shall be construed  
15 to render any officer or employee of the Army personally liable for  
16 the payment of any stipulated penalty assessed pursuant to this  
17 Part.

#### 18 XXIV. DEADLINES

19 24.1 Enforceable deadlines (subject to extension  
20 pursuant to Parts XXV and XXXIII) for the draft primary documents  
21 are established in Attachment I.

22 24.2 The Army will propose secondary document  
23 target dates not otherwise established in Attachment I. Within  
24 twenty-one (21) days of finalization of each ROD, the Army shall  
25 submit an RD/RA SOW, which is a consensus document subject to  
26 dispute but is not a primary document. The RD/RA SOW will include  
27 proposed target dates for completion of the applicable draft

1 secondary documents and deadlines for completion of the following  
2 draft primary documents:

3 (a) Remedial Design

4 (b) Remedial Action Work Plan

5 The Remedial Action Work Plan will establish additional primary and  
6 secondary documents, deadlines, and/or target dates. If the  
7 Parties agree on the proposed deadlines and/or target dates, the  
8 finalized deadlines and/or target dates shall be incorporated into  
9 the Agreement. If the Parties fail to agree within thirty (30)  
10 days on the proposed deadlines and/or target dates, the matter  
11 shall immediately be submitted for dispute resolution pursuant to  
12 Part XXI of this Agreement. The deadlines shall be published  
13 utilizing the procedures set forth in Paragraph 24.4.

14 24.3 The Army shall provide notification to  
15 U.S. EPA and ADEC within thirty (30) days of identifying a new  
16 potential source area. Unless the Parties agree on another  
17 disposition, new source areas will be addressed under the last  
18 scheduled OU as described in Attachment I.

19 24.4 The final deadlines established pursuant to  
20 this Part shall be published by U.S. EPA, in conjunction with ADEC.

21 XXV. EXTENSIONS

22 25.1 Either a deadline or a schedule shall be  
23 extended upon receipt of a timely request for extension and when  
24 good cause exists for the requested extension. Any request for  
25 extension by a Party shall be submitted in writing to the Project  
26 Managers and shall specify:

- 1 a. The deadline or the schedule that is sought to be  
extended;
- 2 b. The length of the extension sought;
- 3 c. The good cause(s) for the extension; and
- 4 d. Any related deadline or schedule that would be  
5 affected if the extension were granted.

6 Good cause exists for an extension when sought in regard to:

- 7 a. An event of Force Majeure;
- 8 b. A delay caused by another Party's failure to meet  
9 any requirement of this Agreement;
- 10 c. A delay caused by the good faith invocation of  
11 dispute resolution or the initiation of judicial  
action;
- 12 d. A delay caused, or that is likely to be caused, by  
13 the grant of an extension in regard to another  
deadline or schedule; and
- 14 e. Any other event or series of events mutually  
15 agreed to by the Parties as constituting good  
cause.

16 25.2 Absent agreement of the Parties with respect  
17 to the existence of good cause, the requesting Party may seek and  
18 obtain a determination through the dispute resolution process that  
19 good cause exists.

20 25.3 Within fourteen (14) days of receipt of a  
21 request for an extension of a deadline or a schedule, the other  
22 Parties shall advise the requesting Party, in writing, of their  
23 respective positions on the request. Any failure by the other  
24 Parties to respond within fourteen (14) days shall be deemed to  
25 constitute concurrence in the request for extension. If any Party  
26 does not concur in the requested extension, it shall include in its

1 statement of nonconcurrency an explanation of the basis for its  
2 position.

3           25.4           If there is consensus among the Parties that  
4 the requested extension is warranted, the deadline or schedule  
5 affected shall be extended accordingly. If there is no consensus  
6 among the Parties as to whether all or part of the requested  
7 extension is warranted, the deadline or schedule shall not be  
8 extended except in accordance with a determination resulting from  
9 the dispute resolution process.

10           25.5           Within seven (7) days of receipt of a  
11 statement of nonconcurrency with the requested extension, the  
12 requesting Party may invoke dispute resolution.

13           25.6           A timely and good faith request for an  
14 extension shall toll any assessment of stipulated penalties or  
15 application for judicial enforcement of the affected deadline or  
16 schedule until a decision is reached on whether the requested  
17 extension will be approved. If the Army invokes dispute resolution  
18 and the requested extension is denied, stipulated penalties may be  
19 assessed and may accrue from the date of the original deadline or  
20 the date EPA or ADEC denied, in writing, the Army's requested  
21 extension, whichever is later. Following the grant of an  
22 extension, an assessment of stipulated penalties or an application  
23 for judicial enforcement may be sought only to compel compliance  
24 with the deadline or schedule as most recently extended.

25

26

27

28

1 XXVI. FORCE MAJEURE

2 26.1 A Force Majeure shall mean any event arising  
3 from causes beyond the control of a Party that causes a delay in or  
4 prevents the performance of any obligation under this Agreement,  
5 including, but not limited to, acts of God; fire; war;  
6 insurrection; civil disturbance; explosion; unanticipated breakage  
7 or accident to machinery, equipment, or lines of pipe despite  
8 reasonably diligent maintenance; adverse weather conditions that  
9 could not be reasonably anticipated; unusual delay in  
10 transportation; restraint by court order or order of public  
11 authority; inability to obtain, at a reasonable cost and after  
12 exercise of reasonable diligence, any necessary authorizations,  
13 approvals, permits, or licenses due to action or inaction of any  
14 governmental agency or authority other than the Army; delays caused  
15 by compliance with applicable statutes or regulations governing  
16 contracting, procurement, or acquisition procedures, despite the  
17 exercise of reasonable diligence; and insufficient availability of  
18 appropriated funds, if the Army shall have made timely request for  
19 such funds as part of the budgetary process as set forth in Part  
20 XXVII of this Agreement. A Force Majeure shall also include any  
21 strike or other labor dispute, whether or not within the control of  
22 the Parties affected thereby. Force Majeure shall not include  
23 increased costs or expenses of response actions, whether or not  
24 anticipated at the time such response actions were initiated.

1 XXVII. FUNDING

2 27.1 It is the expectation of the Parties to this  
3 Agreement that all obligations of the Army arising under this  
4 Agreement will be fully funded. The Army agrees to seek sufficient  
5 funding through the U.S. Department of Defense budgetary process to  
6 fulfill its obligations under this Agreement.

7 27.2 In accordance with Section 120(e)(5)(B) of  
8 CERCLA, 42 U.S.C. § 9620(e)(5)(B), the Army shall include in its  
9 annual report to Congress the specific cost estimates and budgetary  
10 proposals associated with the implementation of this Agreement.

11 27.3 Funds authorized and appropriated annually by  
12 Congress under the "Environmental Restoration, Defense"  
13 appropriation in the U.S. Department of Defense Appropriation Act  
14 and allocated by the Deputy Assistant Secretary of Defense  
15 (Environment) to the Army will be the source of funds for  
16 appropriate activities required by this Agreement consistent with  
17 Section 211 of SARA, 10 U.S.C. Chapter 160. However, should the  
18 Environmental Restoration, Defense appropriation be inadequate in  
19 any year to meet the total Army CERCLA implementation requirements,  
20 the U.S. Department of Defense shall employ and the Army shall  
21 follow a standardized U.S. Department of Defense prioritization  
22 process that allocates that year's appropriations in a manner that  
23 maximizes the protection of human health and the environment. A  
24 standardized U.S. Department of Defense prioritization model shall  
25 be developed and utilized with the assistance of U.S. EPA and the  
26 states.

1           27.4           Any requirement for the payment or obligation  
2 of funds, including stipulated penalties, by the Army established  
3 by the terms of this Agreement shall be subject to the availability  
4 of appropriated funds, and no provision herein shall be interpreted  
5 to require obligation or payment of funds in violation of the  
6 Anti-Deficiency Act, 31 U.S.C. § 1341. In cases where payment or  
7 obligation of funds, including stipulated penalties, would  
8 constitute a violation of the Anti-Deficiency Act, the dates  
9 established requiring the payment or obligation of such funds shall  
10 be appropriately adjusted.

11           27.5           If appropriated funds are not available to  
12 fulfill the Army's obligations under this Agreement, U.S. EPA and  
13 ADEC reserve the right to initiate an action against any other  
14 person or to take any response action that would be appropriate  
15 absent this Agreement.

16           27.6           The Project Manager for the Army shall consult  
17 with the Project Managers from ADEC and U.S. EPA before the Army  
18 submits its budget estimates for fiscal year 1995 and beyond. The  
19 Project Managers for the Parties shall consult and assist the Army  
20 in development of the scoping process and the cost estimates,  
21 including the development of the assumptions that are part of the  
22 cost estimates, for completion of the tasks under this Agreement.  
23 As part of this consultation process, the Army's Project Manager  
24 shall submit the assumptions proposed to be used by the Army to the  
25 Project Managers for U.S. EPA and ADEC. The Project Managers for  
26 the Parties shall then discuss and concur in writing regarding the



1 assumptions and cost estimates to be used by the Army in developing  
2 its budget estimates for fiscal year 1995 and beyond. The budget  
3 documents prepared by the Army shall clearly establish that the  
4 Army has requested all necessary funds to carry out its obligations  
5 under this Agreement for the applicable budget year and shall  
6 include information similar to that contained in the Army's  
7 Expanded Exhibit 2 Report identified in the 1383 Data Base  
8 Management (Version 2). The Army shall honor all reasonable  
9 requests by U.S. EPA or ADEC to review documentation or information  
10 regarding the budget, which relate to this Agreement. All budget  
11 documents related to this Agreement shall be retained and shall,  
12 upon request, be provided to U.S. EPA and/or ADEC in the event of  
13 an extension request, Force Majeure, or other event based on a  
14 funding limitation.

15 XXVIII. RECOVERY OF EXPENSES

16 28.1 The Army and U.S. EPA agree to amend this Part  
17 at a later date in accordance with any subsequent national  
18 resolution of the currently contested issue of cost reimbursement.

19 28.2 The Army and ADEC agree to use the  
20 Defense/State Memorandum of Agreement signed on June 1, 1990, for  
21 the reimbursement of services provided in direct support of the  
22 Army environmental restoration activities at the Site pursuant to  
23 this Agreement.

24 XXIX. OTHER CLAIMS

25 29.1 Nothing in this Agreement shall constitute or  
26 be construed as a bar or release from any claim, cause of action,

1 or demand in law or equity by or against any persons, firm,  
2 partnership, or corporation not a signatory to this Agreement for  
3 any liability it may have arising out of or relating in any way to  
4 this Agreement or the generation, storage, treatment, handling,  
5 transportation, release, or disposal of any hazardous substances,  
6 hazardous wastes, hazardous constituents, pollutants, or  
7 contaminants found at, taken to, or taken from the Site.

8           29.2           U.S. EPA and ADEC shall not be held as a Party  
9 to any contract entered into by the Army to implement the  
10 requirements of this Agreement.

11           29.3           The Army shall notify the appropriate federal  
12 and state natural resource trustees as required by Section  
13 104(b)(2) of CERCLA, 42 U.S.C. § 9604(b)(2), and Section 2(e)(2) of  
14 Executive Order 12580. Except as provided herein, the Army is not  
15 released from the liability that it may have pursuant to any  
16 provisions of state and federal law for any claim for damages or  
17 liability for destruction of, or loss of, natural resources.

18           29.4           This Agreement shall not restrict U.S. EPA  
19 and/or ADEC from taking any legal or response action for any matter  
20 not covered by this Agreement.

21                           XXX. OTHER APPLICABLE LAWS

22           30.1           All actions required to be taken pursuant to  
23 this Agreement shall be undertaken in accordance with the  
24 requirements of all applicable state and federal laws and  
25 regulations unless an exemption from such requirements is provided  
26 in this Agreement, CERCLA, or the NCP.

1 XXXI. CONFIDENTIAL INFORMATION

2 31.1 The Army may assert on its own behalf, or on  
3 behalf of a contractor, subcontractor, or consultant, a  
4 confidentiality claim covering all or part of the information  
5 requested by any Party to this Agreement pursuant to Section 104 of  
6 CERCLA, 42 U.S.C. § 9604(e), and 32 CFR Part 806. Analytical data  
7 shall not be claimed as confidential by the Army, unless it may  
8 disclose information that has already been so classified for  
9 reasons of national security. Information determined to be  
10 confidential by the Army pursuant to 32 CFR Part 806 shall be  
11 afforded the protection specified therein and such information  
12 shall be treated by ADEC as confidential. If no claim of  
13 confidentiality accompanies the information when it is submitted to  
14 either regulatory agency, the information may be made available to  
15 the public without further notice to the Army.

16 XXXII. TRANSFER OF PROPERTY

17 32.1 Conveyance of title, easement, or other  
18 interest in the Site to other agencies of the United States, to  
19 private parties, and to state and local governments, shall be in  
20 accordance with Section 120 of CERCLA, 42 U.S.C. § 9620, as  
21 amended, and applicable U.S. EPA and Department of Defense guidance  
22 and policy. Army shall notify U.S. EPA and ADEC of any such  
23 conveyance at least ninety (90) days prior to such conveyance.

24 XXXIII. MODIFICATION/AMENDMENT OF AGREEMENT

25 33.1 Modifications, extensions, and/or actions  
26 taken pursuant to Parts IX (Project Managers), XI (Sampling and  
27

1 Data/Document Availability), XII (Quality Assurance), XIII  
2 (Reporting), XX (Consultation with U.S. EPA and ADEC), XXIV  
3 (Deadlines), and XXV (Extensions) may be effected by the unanimous  
4 written agreement of the Project Managers for U.S. EPA, ADEC, and  
5 the Army.

6 33.2 Modifications or amendments not permitted by  
7 Paragraph 33.1 may be effected only by the unanimous agreement of  
8 the signatories or upon completion of Dispute Resolution, as  
9 applicable.

10 33.3 Any modification or amendment shall be reduced  
11 to writing; shall be effective as of the date it is signed by all  
12 the Project Managers for U.S. EPA, ADEC, and the Army, or by the  
13 signatories, as applicable; and shall be incorporated into, and  
14 modify, this Agreement.

15 XXXIV. SEVERABILITY

16 34.1 If any provision of this Agreement is ruled  
17 invalid, illegal, or unconstitutional, the remainder of the  
18 Agreement shall not be affected by such ruling, unless the dispute  
19 resolution process determines that the severed provision materially  
20 impacts upon another provision.

21 XXXV. TERMINATION AND SATISFACTION

22 35.1 The provisions of this Agreement shall be  
23 deemed satisfied when the Parties unanimously agree that the Army  
24 has completed its obligations under the terms of this Agreement.  
25 Any Party may propose in writing the termination of this Agreement  
26 upon a showing that the requirements of this Agreement have been

1 satisfied. A Party opposing termination of this Agreement shall  
2 serve its objection upon the other Parties within thirty (30) days  
3 of receipt of the proposal. Any objection shall describe in detail  
4 the additional work needed to satisfy the requirements of the  
5 Agreement. Any Party may invoke dispute resolution as to the  
6 request for or objection to a proposal to terminate.

7 XXXVI. RESERVATION OF RIGHTS

8 36.1 The Parties agree to exhaust their rights  
9 under Parts XX and XXI prior to exercising any rights to judicial  
10 review that they may have.

11 36.2 Nothing in this Agreement shall be construed  
12 as a restriction or waiver of any rights that U.S. EPA or ADEC may  
13 have under CERCLA, including, but not limited to, any rights under  
14 Section 113 and 310 of CERCLA, 42 U.S.C. §§ 9613 and 9659. The  
15 U.S. Department of Defense does not waive any rights it may have  
16 under CERCLA Sections 120 and 121(f)(3)(C), 42 U.S.C. §§ 9620 and  
17 9621(f)(3)(C); Section 211 of SARA, 10 U.S.C. Chapter 160; and  
18 Executive Order 12580.

19 36.3 ADEC reserves its right to maintain an action  
20 under Section 121(f)(3)(B) of CERCLA, 42 U.S.C. § 9621(f)(3)(B), to  
21 challenge the selection of a remedial action that does not attain  
22 a legally applicable or relevant and appropriate standard,  
23 requirement, criteria, or limitation ("ARAR"). If ADEC exercises  
24 its right under Section 121(f)(3)(B) of CERCLA, 42 U.S.C.  
25 § 9621(f)(3)(B), ADEC shall withdraw from this Agreement within  
26 sixty (60) days following the effective date of the ROD. If ADEC

1 exercises its right to withdraw from this Agreement, the Army  
2 expressly reserves any jurisdictional claim or defense that it may  
3 have in regard to any legal right or remedies pursued by ADEC.

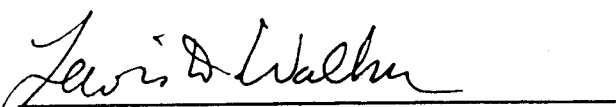
4           36.4           Nothing in this Agreement shall be construed  
5 as authorizing any person to seek judicial review of any action or  
6 work where review is barred by any provision of CERCLA, including  
7 Section 113(h) of CERCLA, 42 U.S.C. § 9613(h).

8  
9                           XXXVII.   EFFECTIVE DATE

10           37.1           This Agreement is effective upon signature by  
11 all the Parties to this Agreement.

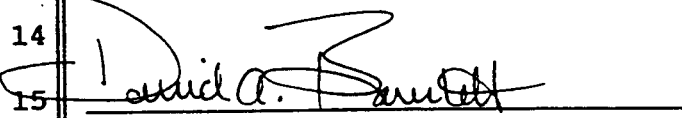
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28

Signature sheet for the foregoing Federal Facility Agreement for Fort Richardson, among the U.S. Environmental Protection Agency, the U.S. Department of Defense, and the Alaska Department of Environmental Conservation.



9/28/94  
Date

LEWIS D. WALKER  
Assistant Secretary of the Army  
(Environment, Safety & Occupational Health)

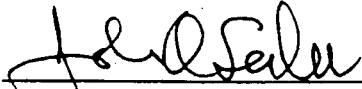


28 June 94  
Date

DAVID A. BRAMLETT  
Commanding General

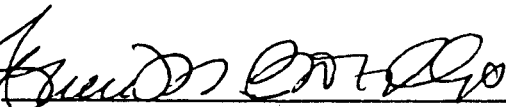
REPRESENTED BY:  
Tamela J. Tobia, Esq.

1 Signature sheet for the foregoing Federal Facility  
2 Agreement for Fort Richardson, among the U.S. Environmental  
3 Protection Agency, the U.S. Department of Defense, and the Alaska  
4 Department of Environmental Conservation.  
5  
6

7 

8 JOHN A. SANDOR  
Commissioner  
9 Alaska Department of Environmental Conservation  
State of Alaska  
10

11 11/12/94  
Date

12 

13 BRUCE M. BOTELHO  
Attorney General  
14 State of Alaska  
15

16 11/29/94  
Date  
17  
18  
19  
20  
21  
22  
23

24 REPRESENTED BY:

25 Breck C. Tostevin, Esq.  
26



1 Signature sheet for the foregoing Federal Facility  
2 Agreement for Fort Richardson, among the U.S. Environmental  
3 Protection Agency, the U.S. Department of Defense, and the Alaska  
4 Department of Environmental Conservation.

5  
6  
7

8  
9 

12/5/94  
Date

10 CHUCK CLARKE  
11 Regional Administrator  
12 United States Environmental Protection Agency  
13 Region 10

14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

REPRESENTED BY:

26 Dean B. Ingemansen, Esq.

ATTACHMENT 1

FORT RICHARDSON, ALASKA

U. S. ARMY

FEDERAL FACILITY AGREEMENT SCOPE OF WORK

1.0 Introduction

The purpose of Attachment 1 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. Army's Fort Richardson (referred to collectively here as the Fort) which pose an actual or potential threat to human health or the environment. This document provides the site management approach to implement the remedial response process under the Federal Facility Agreement (the Agreement) entered into by the Army, the State of Alaska Department of Environmental Conservation (ADEC), and the U.S. Environmental Protection Agency (US EPA). 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-POL 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 OUs)
- 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:
  - o a description of the design criteria and assumptions in terms of the technical requirements and performance standards contained in the ROD;
  - o the "critical path" schedule for completion of the design (with identification of necessary secondary document deliverables);
  - o 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;
  - o a description of treatability studies &/or additional field data collection necessary to be

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

- o 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:

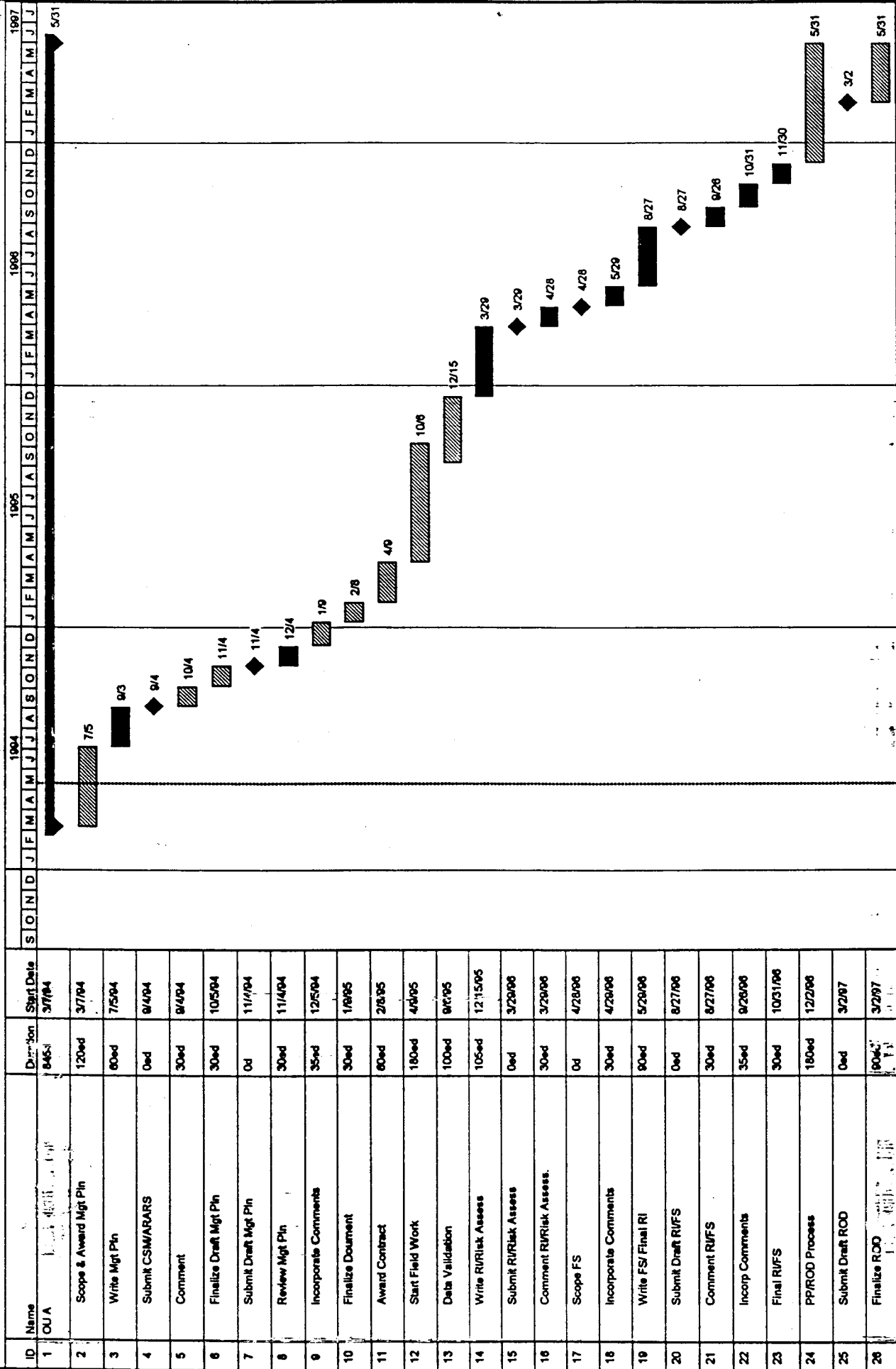
- consolidation of any and all O&M reports for individual work elements

- 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**

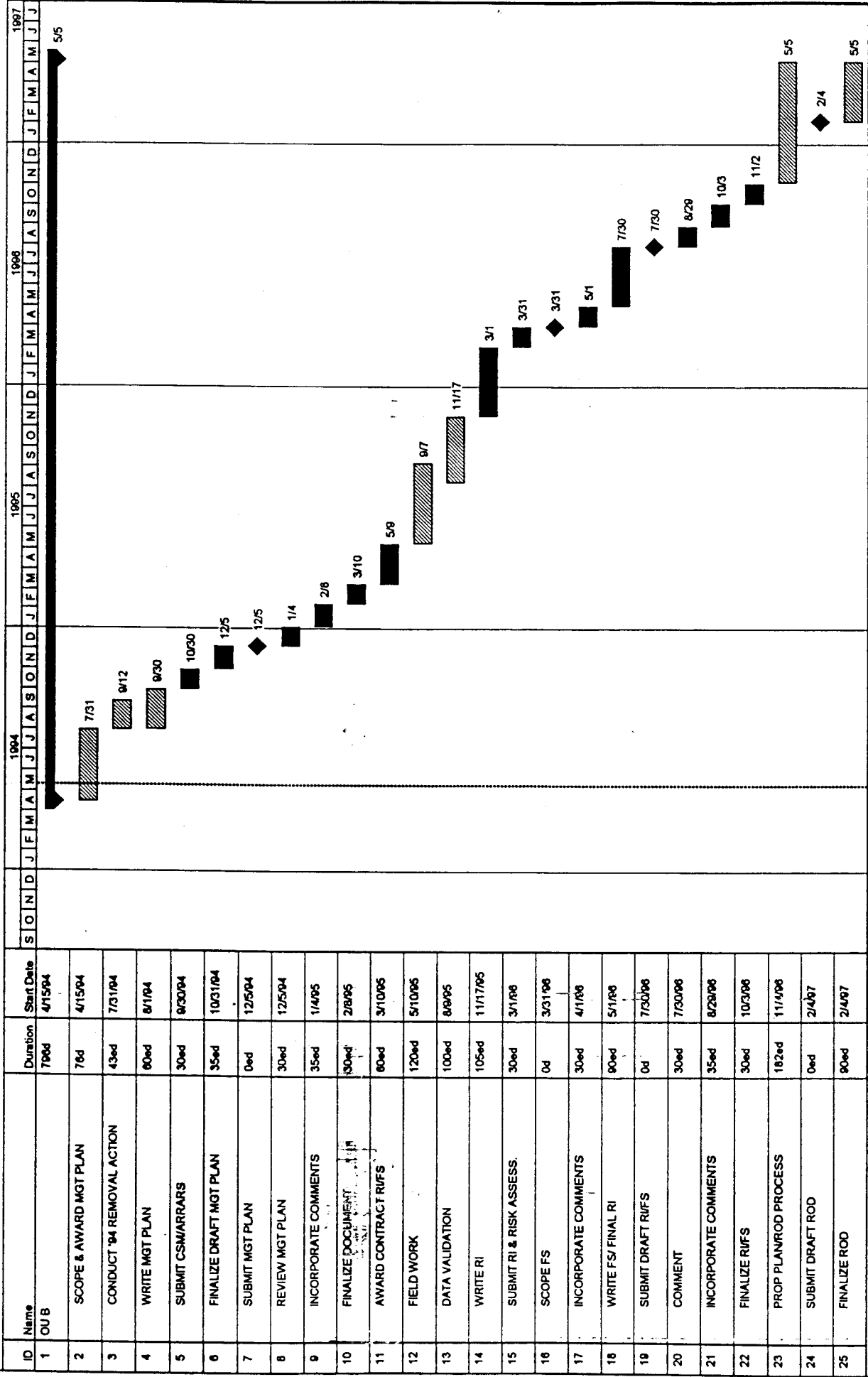
FIGURE 1: FORT RICHARDSON, ALASKA -- OPERABLE UNIT A



Program  
 Milestone  
 Critical  
 Non-Critical  
 Summary  
 Summary  
 Ready  
 Milestone

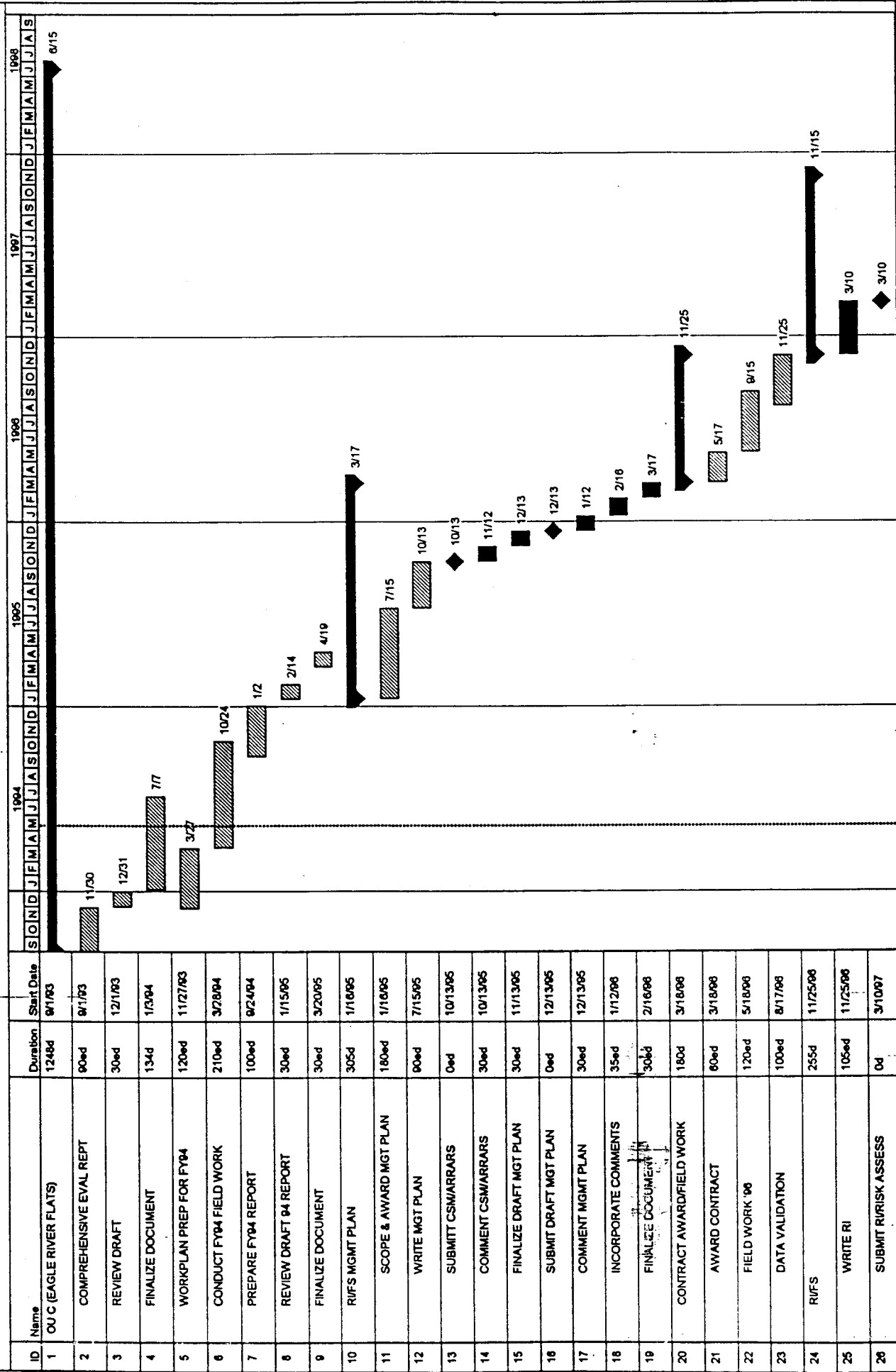


FIGURE 1: FORT RICHARDSON, ALASKA -- OPERABLE UNIT B



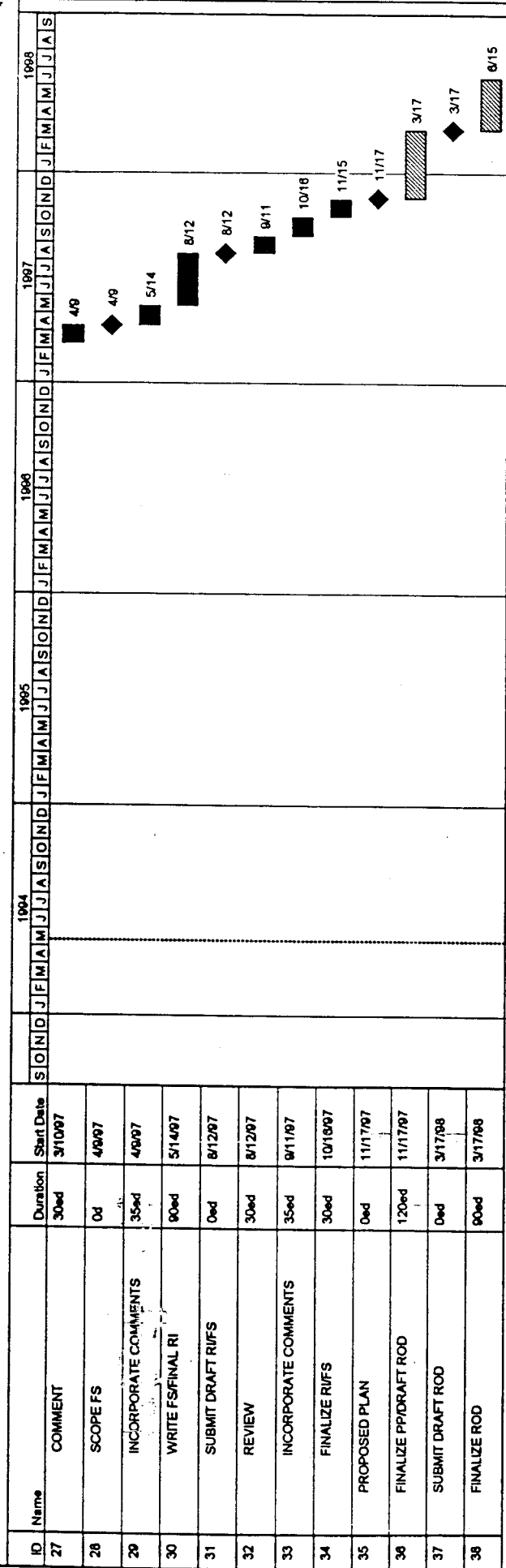
Project: Fort Richardson, Alaska  
 Date: 5/94

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



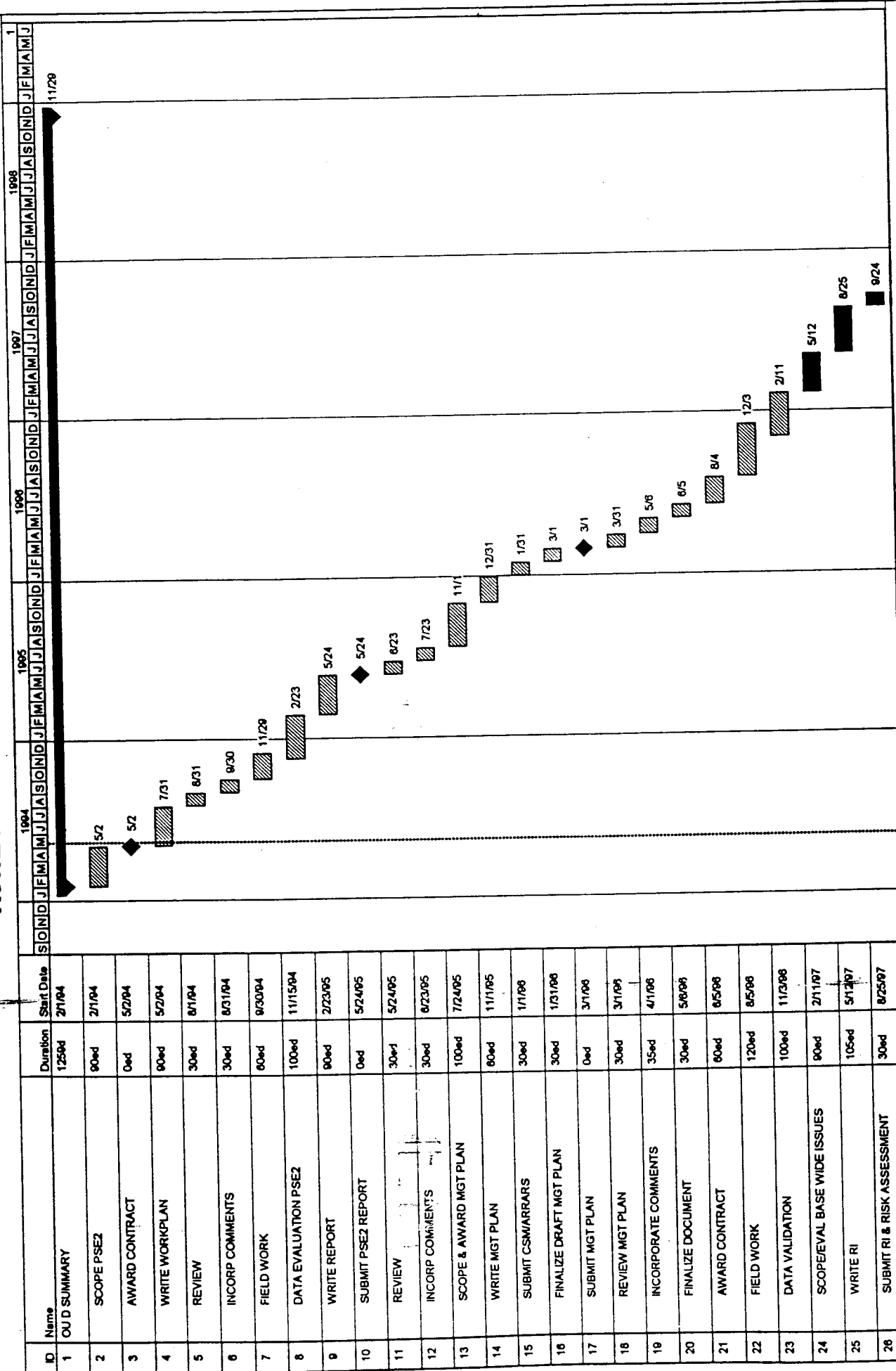
ID	Name	Start Date	Duration
1	OU C (EAGLE RIVER FLATS)	9/1/93	1248d
2	COMPREHENSIVE EVAL REPT	9/1/93	90ed
3	REVIEW DRAFT	12/1/93	30ed
4	FINALIZE DOCUMENT	1/3/94	134d
5	WORKPLAN PREP FOR FY94	11/27/93	120ed
6	CONDUCT FY94 FIELD WORK	3/28/04	210ed
7	PREPARE FY94 REPORT	9/24/04	100ed
8	REVIEW DRAFT 94 REPORT	1/15/05	30ed
9	FINALIZE DOCUMENT	3/20/05	30ed
10	RIFS MGMT PLAN	1/16/05	305d
11	SCOPE & AWARD MGT PLAN	1/16/05	180ed
12	WRITE MGT PLAN	7/15/05	90ed
13	SUBMIT CSMARRARS	10/13/05	0ed
14	COMMENT CSMARRARS	10/13/05	30ed
15	FINALIZE DRAFT MGT PLAN	11/13/05	30ed
16	SUBMIT DRAFT MGT PLAN	12/13/05	0ed
17	COMMENT MGMT PLAN	12/13/05	30ed
18	INCORPORATE COMMENTS	1/12/06	35ed
19	FINALIZE DOCUMENT	2/16/06	30ed
20	CONTRACT AWARD/FIELD WORK	3/18/06	180d
21	AWARD CONTRACT	3/18/06	60ed
22	FIELD WORK '06	5/18/06	120ed
23	DATA VALIDATION	8/17/06	100ed
24	RIFS	11/25/06	255d
25	WRITE RI	11/25/06	105ed
26	SUBMIT RVRISK ASSESS	3/10/07	0d

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



Added Up  
 Summary  
 Milestone  
 Critical  
 Non-Critical

FIGURE 1: FORT RICHARDSON, ALASKA -- OÙ D



Legend: Critical, Noncritical, Milestone, Summary

Scale: 1 inch = 1 month

Page 1 OUD.MPT

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

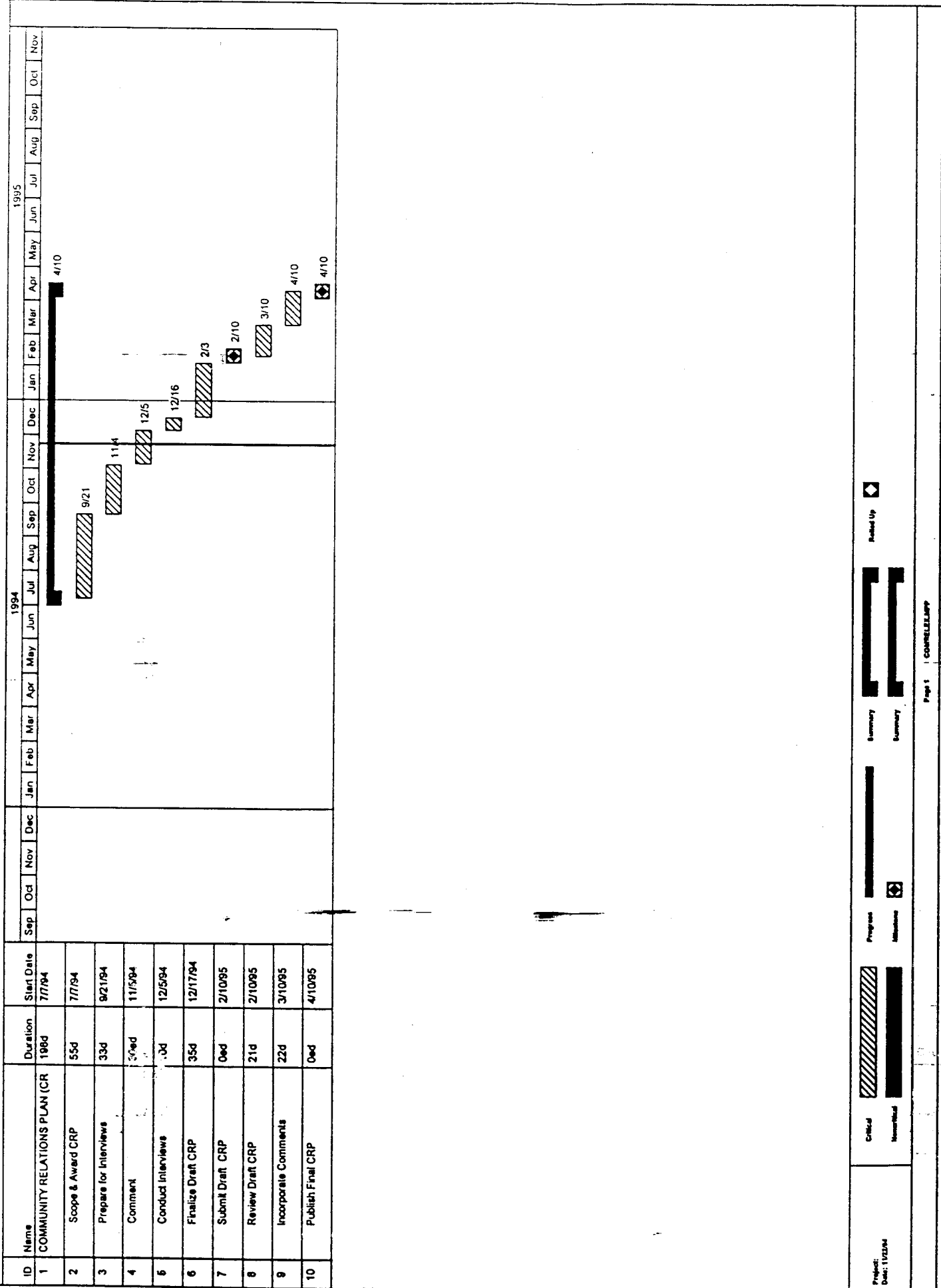


Figure 1.b. Generic timeline for RI/FS Implementation.

<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

Pre-ROD

	dates
Management Plan	11/4/94
Dft Final RI/FS	8/27/96
Dft ROD	3/2/97

Post-ROD

	dates
Pre-final Design	TBD*
RA Work Plan	
RA Report	
O & M Plan	
Close Out Rpt	

OU-B

Management Plan	12/5/94
Dft Final RI/FS	7/30/96
Dft ROD	2/4/97

Pre-final Design
RA Work Plan
RA Report
O & M Plan
Close Out Report

OU-C

Management Plan	12/13/95
Dft Final RI/FS	8/12/97
Dft ROD	3/17/98

Pre-final Design
RA Work Plan
RA Report
O & M Plan
Close Out Report

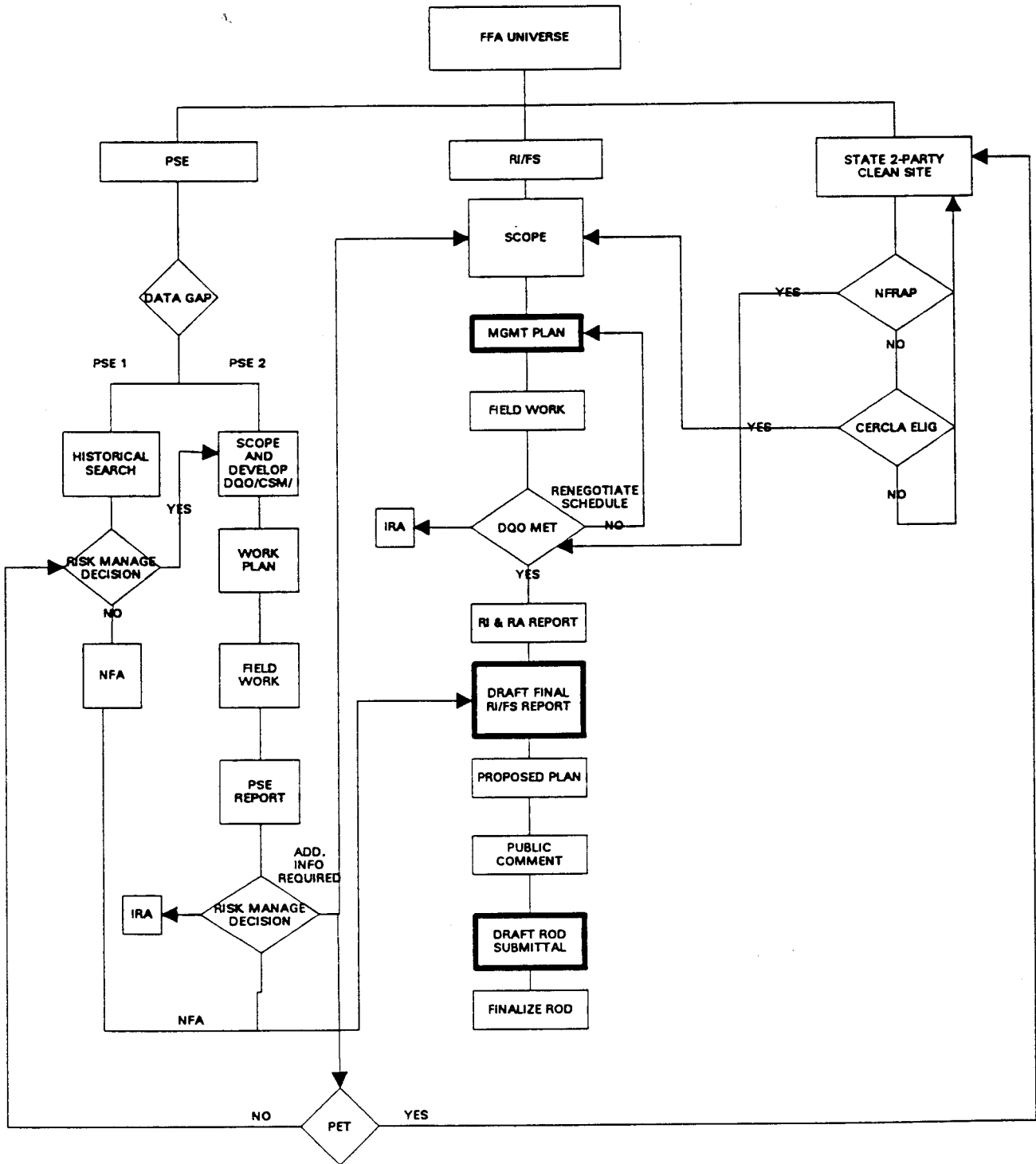
OU-D

Management Plan	3/1/96
Dft Final RI/FS	2/22/98
Dft ROD	8/31/98

Pre-final Design
RA Work Plan
RA Report
O & M Plan
Close Out Report

\* To Be Determined

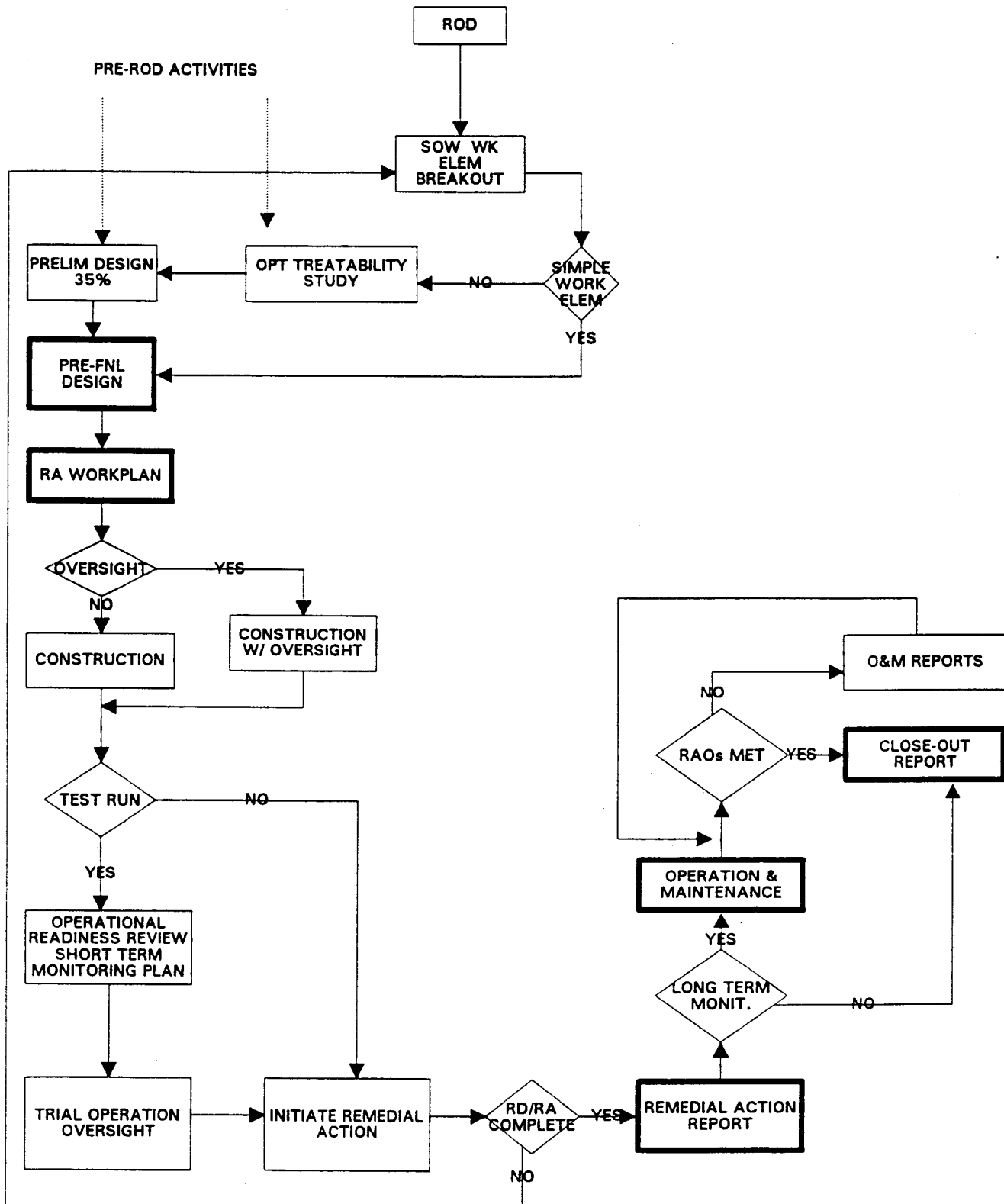
**FIGURE 3  
PRE-ROD  
ACTIVITIES**



Note: Bold outline denotes primary document



**FIGURE 4  
POST-ROD ACTIVITIES**



Note: Bold outline denotes primary document



Table 1.

Potential Source Areas

SITE #	OU	BLDG/LOC.	SITE FUNCTION	UNIT/ACTIVITY	POTENTIAL CONTAMINANTS	REL.	URT	STATUS	NEA OR NEA JUSTIFICATION	1990 RFA SVRNU	NOTES & REF.
W020	A	888	POL LABORATORY DRYWELL	DOL	WASTE OIL, LUBRICANTS, AVIATION FUELS, SOLVENTS, ACID, ALCOHOL, REAGENTS	F	T	RIFS		80	USATHAMA 1991 PROPERTY REPORT AND RCRA FACILITY ASSESSMENT (1990 RFA)
W010	A	87630	ROOSEVELT ROAD TRANSMITTER SITE LEACHFIELD	PW	PCB'S IN TRANSFER OIL	T	F	RIFS		118	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W040	A	FAR LINDEN #9 (RUFF ROAD)	RUFF ROAD FORMER FIRE TRAINING AREA	PW	CONSTRUCTION RUBBLE, JP-4, CHLORINATED & NONCHLOR. SOLVENTS	T	F	RIFS		97	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W087	B	UC602992	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	DPTSM	MUNITIONS RESIDUE, WHITE PHOSPHORUS, ROCKETS, MISSILES, TORPEDOS	T	F	RIFS		117	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W025	C	VIC. EAGLE RIVER FLATS	OPEN BURN/OPEN DEMO AREA	MULTIPLE UNITS/ACTIVITIES	POWDER BAGS, FUZES, TNT, GRENADES, ROCKET MOTORS, PROJECTILES, ASH	F	F	RCRA CLOSURE		89	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W009	D	700	FORMER DRUM/PCB STORAGE AREA	PW	PCB's, WASTE PAINT, HYDROCHLORIC ACID, METHYL ETHYL KETONE, MINERAL SPIRITS	F	F	PSE 2 & RCRA CLOSURE		1, 91	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W053	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	1890 RFA
W018	D	726	FORMER LAUNDRY & DRYCLEANING USE	DOL	PERCHLORETHYLENE, SLUDGE	T	T	PSE 2		9, 10, 11, 12, 13, 14, 15, 120	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W059	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	35752	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
W028	D	FRA RD.	DUST PALLIATIVE	PW	WASTE OIL, SOLVENT	F	F	PSE 2			USATHAMA 1991 PROPERTY REPORT
W090	D	UC538948	CIRCLE ROAD DRUM SITE	PW	POL	T	F	RCRA CLOSURE			NONE

SITE #	OU	BLDG/ LOC.	SITE FUNCTION	UNTACTIVITY	POTENTIAL CONTAMINANTS	REL	UNIT	STATUS	NFA OR NFA JUSTIFICATION	1990 RFA SWMU	NOTES & REF.
R090	D	955	USED OIL TRANSFER AREA (BLUDGE BIN)	DOU	USED OIL/FUEL	T	T	RCRA CLOSURE		41	1990 RFA
W015	D	FRA LANDFILL (EAST SIDE)	LANDFILL FORMER FIRE TRAINING AREA	PW	OIL, SOLVENT, TRANSM/BRAKE/HYDRAULIC FLUID, WATER CONTAM. DIESEL, JP-4	T	F	PSE 2		98	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, O/W 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, O/W 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
R057		755	AUTO & CRAFT SHOP	DFCA	WASTE PAINTS, GREASE, MINERAL SPIRITS, OIL	F	T	RCRA CLOSURE	PROPOSED NON-UST TWO-PARTY SITE	27, 72	1990 RFA
N098		794	CANNIBRILIZATION YARD	DOU		F	F		PROPOSED NON-UST TWO-PARTY SITE		DRAFT ECAR, DEC 93
W002		45590	MOTOR POOL	CENTRAL TEXAS COLLEGE	WASTE OIL, LUBRICANTS, ANTIFREEZE, ACID, SOLV.	F	T	RCRA CLOSURE	PROPOSED NON-UST 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 FUEL/OIL	T	F		PROPOSED NON-UST TWO-PARTY SITE	67	USATHAMA 1991 PROPERTY REPORT
W048		BLDG 39900 UPPER SITE SUMMIT, & LOWER SITE SUMMIT	FORMER NIKE MISSILE SITE	PW	WATER W/RESIDUAL SOLV., FUELS, RADIOACTIVE MATERIAL, ASBESTOS	F	F		PROPOSED NON-UST TWO-PARTY SITE		USATHAMA 1991 PROPERTY REPORT
W004		604	MEDICAL LAB	MEDICAL ACTIVITY	FIXATIVE W/SILVER, 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, 6	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	UST	STATUS	MFA OR NFA JUSTIFICATION	1990 RFA SYMMU	NOTES & REFS.
W007		721	PESTICIDE STORAGE AREA	PW	INSECTICIDES, HERBICIDES, AVICIDES, RODENTICIDES, PAINT, DDT, RINSATE	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 EM 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
W095		740	FORMER PAINT BOOTH	PW	WASTE PAINTS, SOLVENTS	F	F	NFA	NO REPORTED RELEASES TO SOIL, AIR, OR GROUND WATER.		DRAFT ECAR, DEC 83
W018		740	MAINTENANCE SHOP, WASHRACK & OW SEP.	PW	OIL/GREASE FROM WASH	F	T	NFA	DU TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	17, 18, 19	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W018		750	MOTOR POOL, WASHRACK & OW SEP.	FORMERLY 1-17 IN BN	OIL/GREASE FROM WASH	F	T	NFA	DU TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	20, 21, 22, 23, 24	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W018		750	MOTOR POOL, WASHRACK & OW SEP.	1-501 IN BN	OIL/GREASE FROM WASH	F	T	NFA	DU TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	20, 21, 22, 23, 24	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
R093		754	OW SEPARATOR	POST CAR WASH	WASH WATER W/OIL, GREASE, FUEL	T	F	NFA	UNIT IN GOOD CONDITION WITH LOW POTENTIAL FOR RELEASES.	25	1980 RFA
W018		756	MOTOR POOL, WASHRACK & OW SEP.	4-11 FA BN	OIL/GREASE FROM WASH	F	T	NFA	DU TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	28, 29, 73	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W084		764	MOTOR POOL	SP TRPS BN	WASTE OIL, LUBRICANTS, ANTIFREEZE, ACID, SOLV.	F	F	NFA	DU TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.		NONE
W002		770	MOTOR POOL	106 MI BN	WASTE OIL, LUBRICANTS, ANTIFREEZE, ACID, SOLV.	F	T	NFA	DU TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	75	
W006		772	IN-SERVICE TRANSFORM.	PW	PCB S IN TRANSFORM 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 & OW SEP.	6 SIG BN	OIL/GREASE FROM WASH	F	T	NFA	DU TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	31, 76	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W018		782	VEH. WASHRACK & OW SEP.		OIL/GREASE FROM WASH	F	T	NFA	DU TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.		USATHAMA 1991 PROPERTY REPORT
W018		784	MOTION POOL, WASHRACK & OW SEP.	306 F SB	OIL/GREASE FROM WASH	F	T	NFA	DU TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	32, 77	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA

SITE #	OU	BLDG/LOC.	SITE FUNCTION	UNIT/ACTIVITY	POTENTIAL CONTAMINANTS	REL	URT	STATUS	NFA OR NFA JUSTIFICATION	1990 RFA SWMMU	NOTES & REF.
W001		789	DSOS MAINTENANCE FACILITY	306 FSB	TCF, 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		798	VEH. WASHRACK & 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
RO59		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		798	DSOS MAINTENANCE	98 MAINT CO MAINT FAC	TCF, WASTE SOLVENT/OIL, GREASE, PAINT, ACID	F	T	NFA	DUE TO SUFFICIENT CONTROLS & SMALL QUANTITIES GENERATED, UNLIKELY FOR RELEASES TO GW, SW, OR AIR.	79	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W011		802	SUPPLY WAREHOUSE	MULTIPLE UNITS/ACTIVITIES	SOLVENTS, WASTE OIL, REAGENTS, PHOTO FIXATIVE, WASTE PAINT/ALUMINUM BATTERIES, HVM 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. MATR. STORAGE	MULTIPLE UNITS/ACTIVITIES	FOR-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/ALUMINUM BATTERIES, HVM 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. MATR. STORAGE	MULTIPLE UNITS/ACTIVITIES	FOR-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, WASHRACK & O/W SEP.	HMC 1ST BDC	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., NK, 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. WASHRACK & O/W SEP.	DOL	OIL/GREASE FROM WASH	F	T	NFA	UNIT IN GOOD CONDITION WITH LOW POTENTIAL FOR RELEASES.	49	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
RO61		974	SPER SHOP	DOL	USED OIL/SOLVENTS, CHLORINATED SOLV., ANTIREEZE, GREASE, POTASSIUM HYDROXIDE, WASTE WATER, TRICHLOROETHANE, BRAKE FLUID, CONITAM, OIL/DIESEL	F	T	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER.	44	1990 RFA
RO62		974	SPER 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 BACK ON A CONCRETE BASIN.	45	1990 RFA
RO91		974	FUEL BLVET 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/CURB.	46, 47	1990 RFA



WASTE #	OU	BLDG./LOC.	SITE FUNCTION	UNIT/ACTIVITY	POTENTIAL CONTAMINANTS	REL	UST	STATUS	NFA OR NFA JUSTIFICATION	1990 RFA SWMU	NOTES & REF.
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	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
R065		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
R066		976	MAINT SHOP, FIB GLAS FLT.	DOL	FIBERGLASS PARTICLES	F	T	NFA	FILTERS LOCATED INSIDE ALUMINUM BOX INSIDE BUILDING; NO REPORTED RELEASES SOIL, AIR, OR GROUND WATER.	57	1990 RFA
R067		978	PHOTO LAB, SILVER RECOV.	DPTSM	HYPO SOLUTION	F	F	NFA	SELF-ENCLOSED UNIT INSIDE BUILDING; NO REPORTED RELEASES TO SOIL, AIR, OR GROUND WATER.	58	1990 RFA
R068		978	TASC 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
W031		988	RETAIL FUEL STORAGE YD	DOL	DIESEL FUEL, GASOLINE	F	T	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER.		USATHAMA 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		USATHAMA 1991 PROPERTY REPORT
W026		36012	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.	62, 104, 114	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W027		36013	CLASSIFIED WASTE INCIN.		CLASSIFIED WASTE, ASH	T	T	NFA	DUE TO ABSENCE OF HAZARDOUS CONSTITUENTS IN WASTES, NO POTENTIAL FOR HARMFUL RELEASES.	103	USATHAMA 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	USATHAMA 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
NO81		45703	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		45726	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.	64, 65	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA

SITE #	OU	BLDG/LOC.	SITE FUNCTION	UNITS/ACTIVITY	POTENTIAL CONTAMINANTS	REL	URT	STATUS	NFA OR NFA JUSTIFICATION	1990 RFA SWMU	NOTES & REFS.
W095		47203	AIRCRAFT MAINTENANCE FACILITY	B/23 AVN CO	WASTE JP-4, JET FUEL, OM, HYDRAULIC FLUID, PETROL, NAPTHA, HEAVY METALS	F	T	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER;		NONE
W021		47427	AIRCRAFT MAINTENANCE FACILITY	AK ARMO	WASTE JP-4, JET FUEL, OM, HYDRAULIC FLUID, PETROL, NAPTHA, HEAVY METALS	F	F	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER;	86. 1990 RFA MISTAKENLY LISTED AS BLDG 47727 -- NO SUCH BUILDING ON RECORD)	USATHAMA 1991 PROPERTY REPORT, 1990 RFA
W021		47430	AIRCRAFT MAINTENANCE FACILITY	B/23 AVN CO	WASTE JP-4, JET FUEL, OM, HYDRAULIC FLUID, PETROL, NAPTHA, HEAVY METALS	F	F	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER;		USATHAMA 1991 PROPERTY REPORT
W019		47430	A/C WASHBACK & O/W SEP.	B/23 AVN CO	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	B/23 AVN CO	WASTE JP-4, JET FUEL, OM, HYDRAULIC FLUID, PETROL, NAPTHA, HEAVY METALS	F	F	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER;	84	USATHAMA 1991 PROPERTY REPORT
W021		47433	AIRCRAFT MAINTENANCE FACILITY	B/23 AVN CO	WASTE JP-4, JET FUEL, OM, HYDRAULIC FLUID, PETROL, NAPTHA, HEAVY METALS	F	F	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER;		USATHAMA 1991 PROPERTY REPORT
R094		47641	AIRCRAFT MAINTENANCE FACILITY	FLYING CLUB	WASTE FUEL, GREASE, OIL	F	T	NFA	NO EVIDENCE OF RELEASE TO SOIL, AIR, OR GROUND WATER;	85	1990 RFA
W027		47811	VETERINARY INCIN.	MEDAC	ANIMAL CARCASSES, INFECTIOUS WASTE, ASH	T	T	NFA	DUE TO NATURE OF HAZARDOUS WASTES AND UNIT CONSTRUCTION, LITTLE POTENTIAL FOR HARMFUL RELEASES.	102	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W024		55285	AMMO DEACTIV. FURNACE	DOL	WASTE SMALL CAL. AMMO, CARTRIDGES, ASH, Hvy METALS, PROPELLANT, PRIMERS, FUSES	F	T	NFA UNDER CERCLA	PENDING PERMIT APPLICATION	101	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W098		59000	AK ARMO VEH MAINT FAC	AK ARMO	WASTE FUEL, GREASE, OIL, SOLVENTS, ANTIFREEZE, 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. MATRL. 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/QUINERY TRAINING WITH NO EVIDENCE OF ADVERSE ENVIRONMENTAL EFFECTS.	100	USATHAMA 1991 PROPERTY REPORT AND 1990 RFA
W017		FIELD LOC	SEPTIC TANKS/LEACH FLODS	MULTIPLE UNITS/ACTIVITIES	SAN. WASTE WATER, INDUSTRIAL WASTEWATER	F	T	NFA	NO EVIDENCE OF PAST RELEASES		USATHAMA 1991 PROPERTY REPORT
W049		FIELD LOC	SPILL AREAS	MULTIPLE UNITS/ACTIVITIES	DIESEL, MOGAB, 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, HINDO 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, HINDO OIL	F	T	NFA	SUFFICIENT CONTROLS IN PLACE; NO EVIDENCE OF PAST RELEASES		USATHAMA 1991 PROPERTY REPORT

SITE #	OU	BLDG/LOC.	SITE FUNCTION	UNIT/ACTIVITY	POTENTIAL CONTAMINANTS	REL	UST	STATUS	NFA OR NFA JUSTIFICATION	1990 NFA SWMU	NOTES & REF.
W043		FRA	UNDERGROUND STORAGE TANKS	MULTIPLE UNITS/ACTIVITIES	DIESEL, MOGAS, WASTE OIL,	T	T	NFA	SUBJECT TO UST TWO PARTY AGREEMENT	7, 19, 23, 24, 26, 28, 30, 35, 38, 39, 42, 43, 49, 53, 61, 63, 66, 68, 69, 70, 119, 120	USATHAMA 1991 PROPERTY REPORT AND 1990 NFA
W044		FRA	FORMER USTs	MULTIPLE UNITS/ACTIVITIES	DIESEL, MOGAS, FUEL OIL,	T	T	NFA	SUBJECT TO UST TWO PARTY AGREEMENT		USATHAMA 1991 PROPERTY REPORT
W045		FRA	FORMER USTs	MULTIPLE UNITS/ACTIVITIES	WASTE OIL, FUEL OIL	T	T	NFA	SUBJECT TO UST TWO PARTY AGREEMENT		USATHAMA 1991 PROPERTY REPORT
R078		FRA	SANITARY SEWER SYSTEM	PW	SANITARY/INDUSTRIAL WASTEWATER W/OIL, GREASE	F	F	NFA	SUBJECT TO NPDES PERMIT MONITORING	118	1990 NFA
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	USATHAMA 1991 PROPERTY REPORT AND 1990 NFA
W033		LANDFILL #2, north-central sector of FRA LF; 338 acres	LANDFILL	PW	SAN. WASTE, UNKNOWN	F	F	NFA UNDER CERCLA	PENDING CLOSURE		USATHAMA 1991 PROPERTY REPORT
W014		LANDFILL #3, south-central sector of FRA LF; 80 acres	LANDFILL	1W	SAN. WASTE, UNKNOWN	F	F	NFA UNDER CERCLA	PENDING CLOSURE		USATHAMA 1991 PROPERTY REPORT
W035		LANDFILL #4, southwest sector of FRA LF; 3 acres	LANDFILL	PW	CONSTRUCTION DEBRIS	F	F	NFA UNDER CERCLA	PENDING CLOSURE		USATHAMA 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	F	NFA UNDER CERCLA	PENDING CLOSURE		USATHAMA 1991 PROPERTY REPORT
W037		LANDFILL #6, west edge of FRA LF; unk. size	LANDFILL	PW	UNKNOWN	F	F	NFA UNDER CERCLA	PENDING CLOSURE		USATHAMA 1991 PROPERTY REPORT
W038		LANDFILL #7, adjacent to old Dave Highway (no. Amphorage LF)	LANDFILL	PW	SANITARY WASTE	F	F	NFA UNDER CERCLA	PENDING CLOSURE		USATHAMA 1991 PROPERTY REPORT
W039		LANDFILL #8, adjacent to old Dave Highway, approx. 3 km south of the Eagle River; 3 acres	LANDFILL	PW	CARS W/WASTE OIL, JUNK	F	F	NFA UNDER CERCLA	PENDING CLOSURE		USATHAMA 1991 PROPERTY REPORT
N089		UC553983	RI BRAVO TRANSFORMER SITE (VIC. OWEN LAKE)	PW	PCB, METALS	F	F	NFA	CONTAMINANTS BELOW EPA ACTION LEVELS		USAPACHEA REPORT, 31 JAN 94

## FORT RICHARDSON HAZARDOUS SUBSTANCE/WASTE SOURCE AREAS

SITE #	OU	BLDG/LOC.	SITE FUNCTION	UNIT/ACTIVITY	POTENTIAL CONTAMINANTS	REL	URT	STATUS	NFA OR NFA JUSTIFICATION	1990 NFA SWMU	NOTES & REF.
W029		AMMO HOLDING AREA	AMMO SUPPLY POINT	DOL	AMMUNITION	F	F	NFA	AMMO SECURED INSIDE CONCRETE BUNKERS. NO KNOWN RELEASES WITHIN ASP COMPOUND.		USATAMA 1991 PROPERTY REPORT
R074		VIC. UCS/7959	TRANSFER STATION	PW	FRA SOLID WASTE, ASBESTOS	F	F	NFA	NO REPORTED RELEASES TO SOIL, AIR, OR GROUND WATER.	90	1990 NFA