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HANFORD FEDERAL FACILITY AGREEMENT

AND

CONSENT ORDER

VOLUME 2 OF 2

CALENDAR YEAR 1990 ANNUAL UPDATE

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by

Washington State
Department of Ecology

United States
Environmental Protection Agency

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March 1990

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CALENDAR YEAR 1990 ANNUAL UPDATE

TO THE

HANFORD FEDERAL FACILITY AGREEMENT

AND CONSENT ORDER

Approved for Implementation:

Paul T. Day, Project Manager
US Environmental Protection Agency

4/10/90
Date

Timothy L. Nord, Project Manager
State of Washington
Department of Ecology

4/10/90
Date

Steve H. Wisness, Project Manager
US Department of Energy

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INTRODUCTION

This document constitutes a revision of the Hanford Federal Facility Agreement and Consent Order (hereafter referred to as "the Agreement") Action Plan. Section 11.3 of the Agreement Action Plan establishes the requirement for an annual update to the Work Schedule which is contained as Appendix D to the Action Plan. In addition, it is the intent of the Parties to maintain Appendices B (Listing of Treatment, Storage, and Disposal Groups/Units), C (Prioritized Listing of Operable Units), and E (Key Individuals) up-to-date through the annual update process. Therefore, Appendices B, C, D, and E of the Agreement Action Plan are being issued as a separate volume from the rest of the Agreement.

This revision supersedes Appendices B, C, D, and E currently contained in the May 1989 version of the Agreement. The next issue of the main Agreement document will not include these appendices, as they will be reissued annually through use of this revision. This revision is part of the Agreement Action Plan, and therefore the Agreement.

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SUMMARY OF CHANGES

The following summarizes the changes made to Appendices B, C, D, and E as part of the Calendar Year 1990 annual update:

Appendix B- Listing of Treatment, Storage, and Disposal Groups/Units

1. Deleted TSD Group S-2-6, 2727-WA SRE Sodium Storage Building, and TSD Group S-3-3, 332 Storage Facility. These facilities were proposed along with three other TSD Groups for withdrawal of Part A permit applications in accomplishment of Milestone M-20-45. Ecology approved the withdrawal of these two facilities, but requested additional information on the remaining three.

2. Added three additional units to TSD Group TS-2-3, B Plant, based on submittal of a revised Part A Permit Application.

3. Corrected the "Planned Action" for TSD Group TS-3-1, 300 Area Waste Acid System, from "Operating Permit" to "Closure", consistent with milestone M-20-10.

4. Revised "Planned Action" for TSD Group S-3-1, 303-K Contaminated Waste Storage Facility, from "Operating Permit" to "Closure". The plan is to "Clean Close" the facility in accordance with the Agreement, and then reuse the facility as a "Less than 90 Days Storage Facility".

Appendix C- Prioritized Listing of Operable Units

1. Incorporated approved change package transferring the 241-TX-302B Catch Tank from operable unit 200-TP-5 to operable unit 200-TP-2.

2. Added 241-CX-71 Storage Tank to operable unit 200-SO-1.

3. Revised priority of Operable Unit 100-FR-1 from 9 to 10, and priority of Operable Unit 100-NR-3 from 10 to 9. This was done to allow 100-NR-3 to be investigated concurrently with an adjacent Operable Unit 100-NR-1, which is priority 8.

Appendix D- Work Schedule

In accordance with section 11.3 of the Agreement Action Plan, the Work Schedule has been updated to reflect an additional year (Calendar Year 1996) and has been expanded to show additional target dates in the current year (1990) and the next year (1991). Milestone changes which have been processed and approved in accordance with section 12.0 of the Action Plan have been incorporated. Outyear target dates have been adjusted based on current plans. The following discusses the significant changes which have been made:

1. M-01-05 and M-02-02-- Incorporated approved change package which corrected the term "Bi-Annually" to "Biennially". Biennial is the correct term for describing events such as Milestone M-01-05 and M-02-02 which were intended by the three parties to occur once every two years.

2. M-12-00-- Deleted all activities following approval of Work Plans. Characterization and remediation activities are now shown under M-15-00 and M-16-00 respectively.

3. M-12-03-- The review and approval cycle for the 300-FF-1 Operable Unit Work Plan has been extended 4-1/2 months in order to coincide with the review and approval of the 300-FF-5 groundwater operable unit. This is consistent with the need to coordinate groundwater operable units with the initial source operable unit work plan. For example, 100-HR-1 and 100-HR-3 are scheduled concurrently.

4. M-12-05 and M-12-06-- The review and approval cycle for the 100-HR-1 and 100-HR-3 Operable Unit Work Plans has been extended 3 months to allow additional time to ensure that the requirements of both RCRA and CERCLA are satisfied. These are the first operable units being investigated under RCRA Corrective Action authority. CERCLA guidance was used in preparing the work plans.

5. M-12-07-- The review of the 100-DR-1 Operable Unit Work Plan has been deferred until questions associated with the 100-HR-1 and 100-HR-3 Work Plans have been addressed. See Item #4 above. The overall day in approval is expected to be 5-1/2 months.

6. M-12-13 and M-12-14-- Consistent with the change in priorities for Operable Units 100-FR-1 and 100-NR-3, and the approved change package; 1) changed Work Plan submittal date for 100-FR-1 from Feb. 1991 to April 1991, and 2) changed Work Plan submittal date for 100-NR-3 from April 1991 to Dec. 1990.

7. M-15-01-- Schedule for 1100-EM-1 operable unit investigation revised based on approved change which incorporated the schedule contained in the approved work plan.

8. M-17-00-- Significant changes have been made to target dates to better reflect the actual plan. This problem was pointed out in previously issued Quarterly Progress Reports. No milestones have been changed.

9. M-23-00-- Twenty interim milestones have been added based on an approved change package. This is the result of completing milestone M-22-00, which requires that enforceable compliance schedules be established. In addition, numerous target dates have been incorporated reflecting specific actions leading towards completion of the milestones. Incorporation of these interim milestones and target dates replaces Table D-4 which has been deleted from Appendix D.

10. M-24-00-- Location and number of groundwater wells for CY 1991 have been included as interim milestones based on an approved change package.

Appendix E- Key Individuals

1. Steve Wisness has replaced Roger Freeberg as the DOE Project Manger.

2. Tim Nord has replaced Roger Stanley as Ecology Project Manager.

3. Grechen Schmidt has replaced Claire Rowlett as the EPA Community Relations Contact.

4. Mary Kelly has replaced Jerry Gilliland as the Ecology Community Relations Contact.

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APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 1 of 11)

Treatment, Storage, and Disposal Group Number	Group/Units	Operable Unit (if applicable)	Planned Action: Closure*	Planned Action: Operating Permit
D-1-1	100-D Ponds (120-D-1)	100-DR-1	X	
T-1-1	105-DR (122-DR-1) Sodium Fire Facility		X	
D-1-2	1301-N/1325-N Liquid Waste Disposal Facilities 116-N-1 Crib 116-N-3 Crib	100-NR-1	X	
T-1-2	1324-N/1324-NA Liquid Waste Facilities 120-N-1 Pond 120-N-2 Neutralization Unit	100-NR-3	X	
T-1-3**	1706-KE Treatment Facility (116-KE6 A-D): 1706-KE Waste Accumulation Tank 1706-KE Ion Exchange Column 1706-KE Solidification Unit (Evaporator) 1706-KE Condensate Tank		X	
T-1-4	183-H Solar Evaporation Basins (116-H-6)	100-HR-1	X	

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 2 of 11)

Treatment, Storage, and Disposal Group Number	Group/Units	Operable Unit (if applicable)	Planned Action: Closure*	Planned Action: Operating Permit
T-2-1	200-E8 Borrow Pit Demolition Site		X	
T-2-2	200-W Ashpit Demolition Site		X	
T-2-3***	204-AR Waste Unloading Station			Treatment
D-2-1	2101-M Pond		X	
D-2-2	216-A-10 Crib	200-PO-2	X	
D-2-3	216-A-29 Ditch	200-PO-5	X	
D-2-4	216-A-36B Crib	200-PO-2	X	
D-2-5	216-B-3 Pond System: 216-B-3 Pond 216-B-3A Pond 216-B-3B Pond 216-B-3C Pond 216-B-3-3 Ditch	200-BP-11	X	

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 3 of 11)

Treatment, Storage, and Disposal Group Number	Group/Units	Operable Unit (if applicable)	Planned Action: Closure*	Planned Action: Operating Permit
S-2-3	Double-Shell Tanks 241-AN Farm (7 tanks) 241-AP Farm (8 tanks) 241-AW Farm (6 tanks) 241-AY Farm (2 tanks) 241-AZ Farm (2 tanks) 241-SY Farm (3 tanks) 241-EW-151 Vent Station Catch Tank 244-AR Vault 244-CR Vault 244-TX Receiver Tank 244-BX Receiver Tank 244-U Vault 244-S Receiver Tank 244-A Receiver Tank			Storage
D-2-6	216-B-63 Trench	200-BP-8	X	
D-2-7	216-S-10 Pond and Ditch 216-S-10D Ditch 216-S-10P Pond	200-RO-1	X	

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 4 of 11)

Treatment, Storage, and Disposal Group Number	Group/Units	Operable Unit (if applicable)	Planned Action: Closure*	Planned Action: Operating Permit
D-2-8	216-U-12 Crib	200-UP-2	X	
D-2-9	Low-Level Burial Grounds			
	218-E-10			Landfill
	218-E-12B			Landfill
	218-W-3A			Landfill
	218-W-3AE			Landfill
	218-W-4B			Landfill
	218-W-4C			Landfill
	218-W-5			Landfill
	218-W-6			Landfill
S-2-1	Purex Tunnels 1 and 2			Storage
	218-E-14			
	218-E-15			
T-2-4**	221-T Containment System Test Facility		X	
TS-2-1	222-S Laboratories Treatment Tanks and Storage Building			
	222-S Storage Pad			Storage
	*** 219-S Hot Waste Facility Tank 102			Treatment
	*** 219-S Hot Waste Facility Tank 103			Treatment

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 5 of 11)

Treatment, Storage, and Disposal Group Number	Group/Units	Operable Unit (if applicable)	Planned Action: Closure*	Planned Action: Operating Permit
S-2-2	224-T Transuranic Storage and Assay Facility (TRUSAF)			Storage
S-2-4	Single-Shell Tanks		X	
	241-A Farm (6 tanks)	200-PO-3		
	241-AX Farm (4 tanks)	200-PO-3		
	241-B Farm (16 tanks)	200-BP-7		
	241-BX Farm (12 tanks)	200-BP-7		
	241-BY Farm (12 tanks)	200-BP-7		
	241-C Farm (16 tanks)	200-PO-3		
	241-S Farm (12 tanks)	200-RO-4		
	241-SX Farm (15 tanks)	200-RO-4		
	1241-T Farm (16 tanks)	200-TP-6		
	241-TX Farm (18 tanks)	200-TP-5		
	241-TY Farm (6 tanks)	200-TP-5		
	241-U Farm (16 tanks)	200-UP-3		
T-2-5***	241-Z Treatment Tank (D-5)			Treatment
T-2-6	242-A Evaporator			Treatment
S-2-5	2727-S Nonradioactive Dangerous Waste Storage Facility		X	

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 6 of 11)

Treatment, Storage, and Disposal Group Number	Group/Units	Operable Unit (if applicable)	Planned Action: Closure*	Planned Action: Operating Permit
TS-2-2	Hexone Storage and Treatment		X	
	276-S-141 Tank			
	276-S-142 Tank			
	Railcar Storage Tanks (Future)			
	Distillation System (Future)			
	Incinerator (Future)			
T-3-1	300 Area Solvent Evaporator		X	
TS-3-1	300 Area Waste Acid System		X	
	313 Building Waste Acid Neutralization Tank			
	313 Building Centrifuge			
	313 Filter Press			
	333 Building Chromium Treatment Tanks (2 tanks)			
	334-A Waste Acid Storage Tanks (3 tanks)			
	***311 Neutralized Waste Tanks (2 tanks)			

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 7 of 11)

Treatment, Storage, and Disposal Group Number	Group/Units	Operable Unit (if applicable)	Planned Action: Closure*	Planned Action: Operating Permit
S-3-1	303-K Contaminated Waste Storage Facility		X	
T-3-2	303-M Uranium Oxide Facility			Treatment
TS-3-2	304 Concretion Facility and Storage Area		X	
	304 Concretion Facility 304 Storage Area			
S-3-2	305-B Storage Facility			Storage
D-3-1	300 Area Process Trenches (316-5)	300-FF-1	X	
T-3-3**	324 Sodium Removal Pilot Plant			Treatment
T-3-4	325 Waste Treatment Facility			Treatment

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 8 of 11)

Treatment, Storage, and Disposal Group Number	Group/Units	Operable Unit (if applicable)	Planned Action: Closure*	Planned Action: Operating Permit
TS-3-3	3718-F Alkali Metal Treatment and Storage Facility			
	3718-F Burn Shed			Treatment
	3718-F Treatment Tank #1			Treatment
	3718-F Treatment Tank #2			Treatment
	3718-F Alkali Metal Treatment Facility Storage			Storage
T-4-1	400 Area Maintenance and Storage Facility (MASF)			Treatment
S-4-1	4843 FFTF Sodium Storage Facility			Storage
D-6-1	600 Area Nonradioactive Dangerous Waste Landfill	200-IU-3	X	
S-6-1	616 Nonradioactive Dangerous Waste Storage Facility			Storage
TS-2-3	B Plant			
	B Plant Waste Concentrator			Treatment
	B Plant Settle and Decant Tank			Treatment
	B Plant Filter			Treatment
	B Plant Radioactive Organic Waste Solvent Tank #1			Storage

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 9 of 11)

Treatment, Storage, and Disposal Group Number	Group/Units	Operable Unit (if applicable)	Planned Action: Closure*	Planned Action: Operating Permit
	B Plant Radioactive Organic Waste Solvent Tank #2			Storage
	B Plant Radioactive Organic Waste Solvent Tank #3			Storage
	B Plant Radioactive Organic Waste Solvent Tank #4			Storage
	B Plant Radioactive Organic Waste Solvent Tank #5			Storage
	B Plant Radioactive Organic Waste Solvent Tank #6			Storage
	B Plant Radioactive Organic Waste Solvent Tank #7			Storage
	B Plant Storage Area			Storage
	B Plant Waste Piles			Storage
T-X-1	Biological Treatment Test Facilities			Treatment
TD-2-1	Grout			
	Grout Treatment Facility			Treatment
	Grout Treatment Facility Landfill			Treatment/Landfill
TS-2-4	Hanford Central Waste Complex			
	Waste Receiving and Processing (WRAP) Facility (Future)			Treatment
	Radioactive Mixed Waste Storage Facility			Storage

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 10 of 11)

Treatment, Storage, and Disposal Group Number	Group/Units	Operable Unit (if applicable)	Planned Action: Closure*	Planned Action: Operating Permit
TS-2-5	Hanford Waste Vitrification Plant (HWVP) (Future)			Treatment/Storage
T-X-2	Physical and Chemical Treatment Test Facilities			Treatment
TS-2-6	Purex			
	*** Neutralization Tank E-5			Treatment
	*** E-F11 Concentrator			Treatment
	*** Neutralization Tank G-7			Treatment
	Ammonia Distillate Treatment System (Future Tank)			Treatment
	*** Neutralization Tank F-18			Treatment
	*** Neutralization Tank F-15			Treatment
	*** Neutralization Tank F-16			Treatment
	*** Neutralization Tank U3			Treatment
	*** Neutralization Tank U4			Treatment
	Purex Waste Piles			Storage
TS-3-4	Simulated High-Level Waste Slurry Treatment and Storage		X (or)	Treatment/Storage

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 11 of 11)

Treatment, Storage, and Disposal Group Number	Group/Units	Operable Unit (if applicable)	Planned Action: Closure*	Planned Action: Operating Permit
T-2-7***	T Plant Treatment Tank			Treatment
T-X-3	Thermal Treatment Test Facilities			Treatment
T-11-1	1100 Area Hanford Patrol Academy Demolition Area			Treatment

* Post-Closure Permit required if closed as a land disposal unit in accordance with Subsection 6.3.3.
** Part A permit application may be withdrawn because unit(s) never handled or never will handle hazardous waste.
*** Part A permit application may be withdrawn due to reclassification of unit(s) as treatment by generator.

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 1 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
1	1100-EM-1	1100-1	Acid Pit	EPA	CPP
		1100-2	Solvent Pit		CPP
		1100-3	Antifreeze Pit		CPP
		Horn Rapids Disposal	Landfill		CPP
		1100-4	Antifreeze Tank		CPP
		UN-1100-5	Spill		CPP
		UN-1100-6	Spill		CPP
2	300-FF-1 (GW addressed by 300-FF-5)	300 Ash Pits	Pit	EPA	CPP
		300 Filter Backwash Pond	Pond		CPP
		300 Retired Filter Backwash	Pond		CPP
		300 Retired RLWS*	Sewer		CPP
		300 Area RLWS* and 340 complex	Sewer		CPP
		300 Area sanitary sewer system	Sewer		CPP
		307	Retention Basin		CPP
		316-1	Pond		CPP
		316-2	Pond		CPP
		316-3	Trench		CPP
		316-5 (300 Area Process Trenches)	Trench		TSD (D-3-1)
		618-12	Burial Ground		CPP
		618-4	Burial Ground		CPP
		618-5	Burial Ground		CPP
		UN-300-1	Spill		CPP
		UN-300-11	Spill		CPP
		UN-300-14	Spill		CPP
		UN-300-2	Spill		CPP
		UN-300-41	Spill		CPP
2A	300-FF-5 (GW Operable Unit [O.U.])	300-FF-1	Source O.U.	EPA	CPP
		300-FF-2	Source O.U.		CPP
		300-FF-3	Source O.U.		CPP
3	200-BP-1	216-B-43	Crib	EPA	CPP
		216-B-44	Crib		CPP
		216-B-45	Crib		CPP
		216-B-46	Crib		CPP
		216-B-47	Crib		CPP
		216-B-48	Crib		CPP
		216-B-49	Crib		CPP

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal
*RLWS = Radioactive Liquid Waste Sewer

Prioritized Listing of Operable Units. (sheet 2 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	200-BP-1 (Continued)	216-B-50	Crib		CPP
		216-B-57	Crib		CPP
		216-B-61	Crib		CPP
		UN-200-E-110	Spill		CPP
		UN-200-E-63	Spill		CPP
		UN-200-E-9	Spill		CPP
4	100-HR-1 (GW addressed by 100-HR-3)	116-H-1	Trench	Ecology	RPP
		116-H-2	Trench		RPP
		116-H-3	French Drain		RPP
		116-H-4	Crib		RPP
		116-H-5	Outfall Structure		RPP
		116-H-6 (183-H)	Retention basin		TSD (T-1-4)
		116-H-7	Retention basin		RPP
		116-H-9	Crib		RPP
		1607-H2	Septic Tank		RPP
		1607-H3	Septic Tank		RPP
4A	100-HR-3 (GW O.U.)	100-HR-1	Source O. U.	Ecology	RPP
		100-HR-2	Source O. U.		RPP
		100-DR-1	Source O. U.		RPP
		100-DR-2	Source O. U.		RPP
		100-DR-3	Source O. U.		RPP
5	100-DR-1 (GW addressed by 100-HR-3)	116-D-1A	Trench	Ecology	RPP
		116-D-1B	Trench		RPP
		116-D-2	Crib		RPP
		116-D-3	French Drain		RPP
		116-D-4	French Drain		RPP
		116-D-5	Outfall Structure		RPP
		116-D-6	French Drain		RPP
		116-D-7	Retention basin		RPP
		116-D-9	Crib		RPP
		116-DR-1	Trench		RPP
		116-DR-2	Trench		RPP
		116-DR-5	Outfall Structure		RPP
		116-DR-9	Retention basin		RPP

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TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 3 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	100-DR-1 (continued)	120-D-1	Ponds		TSD (D-1-1)
		126-D-1	Ash pit		RPP
		130-D-1	Storage tank		RPP
		1607-D2	Septic tank		RPP
		1607-D4	Septic tank		RPP
		1607-D5	Septic tank		RPP
6	100-BC-1 (GW addressed by 100-BC-5)	116-B-1	Trench	EPA	CPP
		116-B-10	French drain		CPP
		116-B-11	Retention basin		CPP
		116-B-12	Crib		CPP
		116-B-2	Trench		CPP
		116-B-3	Crib		CPP
		116-B-4	French Drain		CPP
		116-B-5	Crib		CPP
		116-B-6A	Crib		CPP
		116-B-6B	Crib		CPP
		116-B-7	Outfall Structure		CPP
		116-B-8	Outfall Structure		CPP
		116-B-9	French Drain		CPP
		116-C-1	Trench		CPP
		116-C-5	Retention basin		CPP
		118-B-5	Burial Ground		CPP
		118-B-7	Burial Ground		CPP
		120-B-1	Sump		CPP
		126-B-1	Ash pit		CPP
		128-B-1	Burning pit		CPP
		1607-B1	Septic Tank		CPP
		1607-B2	Septic Tank		CPP
		1607-B3	Septic Tank		CPP
		1607-B4	Septic Tank		CPP
		1607-B5	Septic Tank		CPP
		1607-B6	Septic Tank		CPP
		1607-B7	Septic Tank		CPP

CPP = CERCLA Past-Practice
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APPENDIX C

Prioritized Listing of Operable Units. (sheet 4 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
6A	100-BC-5 (GW O.U.)	100-BC-1	Source O. U.	EPA	CPP
		100-BC-2	Source O. U.		CPP
		100-BC-3	Source O. U.		CPP
		100-BC-4	Source O. U.		CPP
7	100-KR-1 (GW addressed by 100-KR-4)	116-KE-4	Retention Basin	EPA	CPP
		116-KW-3	Retention Basin		CPP
		116-K-1	Crib		CPP
		116-K-2	Trench		CPP
		116-K-3	Outfall Structure		CPP
7A	100-KR-4 (GW O.U.)	100-KR-1	Source O. U.	EPA	CPP
		100-KR-2	Source O. U.		CPP
		100-KR-3	Source O. U.		CPP
8	100-NR-1	116-N-1 (1301-N)	Crib	Ecology	TSD (D-1-2)
		116-N-2	Storage Tank		RPP
		116-N-3 (1325-N)	Crib		TSD (D-1-2)
		124-N-4	Septic Tank		RPP
		128-N-1	Burning Pit		RPP
		UN-100-N-13	Spill		RPP
		UN-100-N-17	Spill		RPP
		UN-100-N-2	Spill		RPP
		UN-100-N-20	Spill		RPP
		UN-100-N-24	Spill		RPP
		UN-100-N-26	Spill		RPP
		UN-100-N-31	Spill		RPP
		UN-100-N-9	Spill		RPP
9	100-NR-3	120-N-1 (1324-N)	Pond	Ecology	TSD (T-1-2)
		120-N-2 (1324-NA)	Neutralization unit		TSD (T-1-2)
		120-N-3	French Drain		RPP
		120-N-5	Tank		RPP
		120-N-6	French Drain		RPP
		120-N-7	French Drain		RPP
		120-N-8	French Drain		RPP
		124-N-1	Septic Tank		RPP
		124-N-10	Septic Tank		RPP
		124-N-2	Septic Tank		RPP
		124-N-5	Septic Tank		RPP
		124-N-6	Septic Tank		RPP
		124-N-7	Septic Tank		RPP
		124-N-8	Septic Tank		RPP
		124-N-9	Septic Tank		RPP
		130-N-1	Pond		RPP
		UN-100-N-11	Spill		RPP
		UN-100-N-15	Spill		RPP

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 5 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	100-NR-3 (Continued)	UN-100-N-18	Spill		RPP
		UN-100-N-19	Spill		RPP
		UN-100-N-21	Spill		RPP
		UN-100-N-22	Spill		RPP
		UN-100-N-23	Spill		RPP
		UN-100-N-25	Spill		RPP
		UN-100-N-33	Spill		RPP
		UN-100-N-34	Spill		RPP
		UN-100-N-4	Spill		RPP
		UN-100-N-5	Spill		RPP
		UN-100-N-6	Spill		RPP
		UN-100-N-8	Spill		RPP
		UN-600-17	Spill		RPP
10	100-FR-1	116-F-1	Trench	EPA	CPP
		116-F-10	French Drain		CPP
		116-F-11	French Drain		CPP
		116-F-12	French Drain		CPP
		116-F-13	French Drain		CPP
		116-F-14	Retention basin		CPP
		116-F-2	Trench		CPP
		116-F-3	Trench		CPP
		116-F-4	Crib		CPP
		116-F-5	Crib		CPP
		116-F-6	Trench		CPP
		116-F-7	French Drain		CPP
		116-F-8	Outfall Structure		CPP
		116-F-9	Trench		CPP
		1607-F2	Septic Tank		CPP
		1607-F3	Septic Tank		CPP
		1607-F4	Septic Tank		CPP
		1607-F5	Septic Tank		CPP
		1607-F6	Septic Tank		CPP
		UN-100-F-1	Spill		CPP

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 6 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
11	200-UP-2	200 West constr. surface laydown area	Burial ground	Ecology	CPP
		207-U	Retention Basin		CPP
		216-U-1&2	Crib		CPP
		216-U-12	Crib		TSD (D-2-8)
		216-U-14	Ditch		CPP
		216-U-15	Trench		CPP
		216-U-16	Crib		CPP
		216-U-17	Crib		CPP
		216-U-3	French Drain		CPP
		216-U-4	Reverse Well		CPP
		216-U-4A	French Drain		CPP
		216-U-4B	French Drain		CPP
		216-U-5	Trench		CPP
		216-U-6	Trench		CPP
		216-U-7	French Drain		CPP
		216-U-8	Crib		CPP
		241-U-151	Diversion Box		CPP
		241-U-152	Diversion Box		CPP
		241-U-302	Catch tank		CPP
		241-U-361	Settling Tank		CPP
		241-UX-154	Diversion Box		CPP
		241-UX-302	Catch Tank		CPP
		241-WR Vault	Vault		CPP
		2607-W5	Septic Tank		CPP
		2607-W7	Septic Tank		CPP
		UN-200-W-101	Spill		CPP
		UN-200-W-117	Spill		CPP
		UN-200-W-118	Spill		CPP
		UN-200-W-125	Spill		CPP
		UN-200-W-138	Spill		CPP
		UN-200-W-19	Spill		CPP
		UN-200-W-22	Spill		CPP
		UN-200-W-33	Spill		CPP
		UN-200-W-39	Spill		CPP
		UN-200-W-46	Spill		CPP
		UN-200-W-48	Spill		CPP
		UN-200-W-55	Spill		CPP
		UN-200-W-6	Spill		CPP
		UN-200-W-60	Spill		CPP
		UN-200-W-69	Spill		CPP
		UN-200-W-78	Spill		CPP
		UN-200-W-86	Spill		CPP

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 7 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
12	100-BC-2	116-C-2A	Crib	EPA	CPP
	(GW addressed	116-C-2B	Crib		CPP
	by 100-BC-5)	116-C-2C	Crib		CPP
		116-C-3	Outfall Structure		CPP
		118-C-2	Burial Ground		CPP
		1607-B8	Septic Tank		CPP
13	200-BP-5	216-B-5	Reverse Well	EPA	CPP
		216-B-56	Crib		CPP
		216-B-59A	Trench		CPP
		216-B-59B	Retention Basin		CPP
		216-B-9TF	Crib		CPP
		241-B-154	Diversion Box		CPP
		241-B-302-B	Catch Tank		CPP
		241-B-361	Settling Tank		CPP
		UN-200-E-45	Spill		CPP
		UN-200-E-7	Spill		CPP
14	100-DR-2	116-DR-3	Trench	Ecology	RPP
	(GW Addressed	116-DR-4	Crib		RPP
	by 100-HR-3)	116-DR-6	Trench		RPP
		116-DR-7	Crib		RPP
		116-DR-8	Crib		RPP
		118-D-5	Burial Ground		RPP
		1607-D3	Septic Tank		RPP
15	200-ZP-1	216-Z-1&2TF	Crib	EPA	CPP
		216-Z-12	Crib		CPP
		216-Z-13	French Drain		CPP
		216-Z-14	French Drain		CPP
		216-Z-15	French Drain		CPP
		216-Z-18	Crib		CPP
		216-Z-1A	Tile Field		CPP
		216-Z-3	Crib		CPP
		241-Z-361	Settling Tank		CPP
		2607-Z	Septic tank		CPP
		UN-200-W-103	Spill		CPP
		UN-200-W-11	Spill		CPP
		UN-200-W-23	Spill		CPP
		UN-200-W-74	Spill		CPP
		UN-200-W-75	Spill		CPP
		UN-200-W-89	Spill		CPP

CPP = CERCLA Past-Practice
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TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 8 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	200-ZP-1 (Continued)	UN-200-W-90	Spill		CPP
		UN-200-W-91	Spill		CPP
		UN-200-W-159	Spill		CPP
16	100-KR-2 (GW Addressed by 100-KR-4)	130-KE-1	Storage tank	EPA	CPP
		130-KW-1	Storage tank		CPP
		116-KE-1	Crib		CPP
		116-KE-2	Crib		CPP
		116-KE-3	French Drain		CPP
		116-KW-1	Crib		CPP
		116-KW-2	French Drain		CPP
		118-K-1	Burial Ground		CPP
		1607-K4	Septic Tank		CPP
		1607-K6	Septic Tank		CPP
		130-KE-2	Storage Tank		CPP
		130-kW-2	Storage Tank		CPP
		130-K-1	Storage Tank		CPP
		130-K-2	Storage Tank		CPP
		UN-100-K-1	Spill		CPP
17	200-BP-4	216-B-11A&B	Reverse Well		
		216-B-51	French drain		
		216-B-7A&B	Crib		
		216-B-8TF	Crib		
18	200-BP-11	216-B-3 (B Pond)	Pond	Ecology	TSD (D-2-5)
		216-B-3-1	Ditch		RPP
		216-B-3-2	Ditch		RPP
		216-B-3-3	Ditch		TSD (D-2-5)
		216-B-3A	Pond		TSD (D-2-5)
		216-B-3B	Pond		TSD (D-2-5)
		216-B-3C	Pond		TSD (D-2-5)
		216-E-25	Pond		RPP
		UN-200-E-14	Spill		RPP
		UN-200-E-92	Spill		RPP
19	200-PO-2	216-A-10	Crib		TSD (D-2-2)
		216-A-15	French Drain		
		216-A-2	Crib		
		216-A-21	Crib		
		216-A-27	Crib		
		216-A-31	Crib		
		216-A-36A	Crib		
		216-A-36B	Crib		TSD (D-2-4)

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TSD = Treatment, Storage, and Disposal

Prioritized Listing of Operable Units. (sheet 9 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	200-PO-2 (Continued)	216-A-38-1	Crib		
		216-A-4	Crib		
		216-A-45	Crib		
		216-A-5	Crib		
		UN-200-E-117	Spill		
		UN-200-E-13	Spill		
		UN-200-E-22	Spill		
		UN-200-E-25	Spill		
		UN-200-E-39	Spill		
		UN-200-E-40	Spill		
		UN-200-E-97	Spill		
20	200-PO-5	207-A	Retention Basin		
		216-A-1	Crib		
		216-A-16	French Drain		
		216-A-17	French Drain		
		216-A-18	Trench		
		216-A-19	Trench		
		216-A-20	Trench		
		216-A-23A	French Drain		
		216-A-23B	French Drain		
		216-A-24	Crib		
		216-A-29	Ditch		TSD (D-2-3)
		216-A-34	Ditch		
		216-A-7	Crib		
		216-A-8	Crib		
		216-A-524	Control Structure		
		241-A-302B	Catch Tank		
		2607-EC	Septic Tank		
		UN-200-E-56	Spill		
		UN-200-E-67	Spill		
B	100-BC-3 (GW Addressed by 100-BC-5)	118-B-2	Burial Ground	EPA	CPP
		118-B-3	Burial Ground		CPP
		118-B-4	Burial Ground		CPP
		118-B-6	Burial Ground		CPP
B	100-BC-4 (GW addressed by 100-BC-5)	118-B-1	Burial Ground	EPA	CPP
		118-C-1	Burial Ground		CPP
		1607-B9	Septic Tank		CPP

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 10 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
B	100-DR-3 (GW Addressed by 100-HR-3)	118-D-1	Burial Ground	Ecology	RPP
		118-D-2	Burial Ground		RPP
		118-D-3	Burial Ground		RPP
		118-D-4	Burial Ground		RPP
		118-DR-1	Burial Ground		RPP
		128-D-1	Burning pit		RPP
		1607-D1	Septic Tank		RPP
B	100-FR-2	118-F-1	Burial Ground		
		118-F-2	Burial Ground		
		118-F-3	Burial Ground		
		118-F-4	Burial Ground		
		118-F-5	Burial Ground		
		118-F-6	Burial Ground		
		118-F-7	Burial Ground		
		126-F-1	Ash pit		
		128-F-1	Burning pit		
		1607-F1	Septic Tank		
B	100-HR-2 (GW Addressed by 100-HR-3)	118-H-1	Burial Ground	Ecology	RPP
		118-H-2	Burial Ground		RPP
		118-H-3	Burial Ground		RPP
		118-H-4	Burial Ground		RPP
		118-H-5	Burial ground		RPP
		126-H-1	Ash pit		RPP
		128-H-1	Burning pit		RPP
		1607-H1	Septic Tank		RPP
		1607-H4	Septic Tank		RPP
B	100-KR-3 (GW Addressed by 100-KR-4)	120-KE-1	Reverse Well	EPA	CPP
		120-KW-2	French Drain		CPP
		120-KE-3	Trench		CPP
		120-KE-2	French Drain		CPP
		120-KW-5	Storage Tank		CPP
		120-KE-6	Storage Tank		CPP
		120-KW-1	Reverse well		CPP
		128-K-1	Burning pit		CPP
		130-K-3	Storage tank		CPP

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 11 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	100-KR-3 (Continued)	1607-K1	Septic Tank		CPP
		1607-K2	Septic Tank		CPP
		1607-K3	Septic Tank		CPP
		1607-K5	Septic Tank		CPP
B	100-NR-2	116-N-4	Storage Tank		
		118-N-1	Silos		
		124-N-3	Septic Tank		
		UN-100-N-1	Spill		
		UN-100-N-10	Spill		
		UN-100-N-12	Spill		
		UN-100-N-14	Spill		
		UN-100-N-29	Spill		
		UN-100-N-3	Spill		
		UN-100-N-30	Spill		
		UN-100-N-32	Spill		
		UN-100-N-35	Spill		
		UN-100-N-7	Spill		
B	100-IU-1	Army Munitions Burial Site	Burial Ground		
		Riverland Railroad Car Wash Pit	Pit		
B	200-BP-2	216-B-14	Crib		
		216-B-15	Crib		
		216-B-16	Crib		
		216-B-17	Crib		
		216-B-18	Crib		
		216-B-19	Crib		
		216-B-20	Trench		
		216-B-21	Trench		
		216-B-22	Trench		
		216-B-23	Trench		
		216-B-24	Trench		
		216-B-25	Trench		
		216-B-26	Trench		
		216-B-27	Trench		
		216-B-28	Trench		
		216-B-29	Trench		

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 12 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	200-BP-2 (Continued)	216-B-30	Trench		
		216-B-31	Trench		
		216-B-32	Trench		
		216-B-33	Trench		
		216-B-34	Trench		
		216-B-52	Trench		
		216-B-53A	Trench		
		216-B-53B	Trench		
		216-B-54	Trench		
		216-B-58	Trench		
		UN-200-E-83	Spill		
B	200-PO-1	216-A-11	French Drain		
		216-A-12	French Drain		
		216-A-13	French Drain		
		216-A-14	French Drain		
		216-A-22	French Drain		
		216-A-26	French Drain		
		216-A-26A	French Drain		
		216-A-28	French Drain		
		216-A-3	Crib		
		216-A-32	Crib		
		216-A-33	French Drain		
		216-A-35	French Drain		
		216-A-40	Trench		
		216-A-41	Crib		
		216-A-9	Crib		
		218-E-1	Burial Ground		
		218-E-13	Burial Ground		
		241-A-151	Diversion Box		
		241-A-302A	Catch Tank		
		2607-E6	Septic Tank		
		2607-EA	Septic Tank		
		UN-200-E-10	Spill		
		UN-200-E-11	Spill		
		UN-200-E-12	Spill		
		UN-200-E-15	Spill		
		UN-200-E-19	Spill		
		UN-200-E-20	Spill		
		UN-200-E-26	Spill		
		UN-200-E-28	Spill		
		UN-200-E-31	Spill		
		UN-200-E-33	Spill		
		UN-200-E-35	Spill		

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

Prioritized Listing of Operable Units. (sheet 13 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	200-PO-1 (Continued)	UN-200-E-42	Spill		
		UN-200-E-49	Spill		
		UN-200-E-58	Spill		
		UN-200-E-60	Spill		
		UN-200-E-65	Spill		
		UN-200-E-88	Spill		
		UN-200-E-96	Spill		
		UN-200-E-114	Spill		
		UN-200-E-142	Spill		
B	200-PO-4	216-A-30	Crib		
		216-A-37-1	Crib		
		216-A-37-2	Crib		
		216-A-42	Retention Basin		
		216-A-6	Crib		
		2607-EL	Septic Tank		
		UN-200-E-66	Spill		
B	200-SO-1	200-E Power House Ditch	Ditch		
		216-C-1	Crib		
		216-C-10	Crib		
		216-C-2	Reverse Well		
		216-C-3	Crib		
		216-C-4	Crib		
		216-C-5	Crib		
		216-C-6	Crib		
		216-C-7	Crib		
		216-C-9	Pond		
		218-C-9	Burial Ground		
		241-CX-70	Storage Tank		
		241-CX-71	Storage Tank		
		241-CX-72	Storage Tank		
		2607-E5	Septic Tank		
		2607-E7A	Septic Tank		
		Hot Semi-Works Valve Pit	Valve Pit		
		UN-200-E-36	Spill		
		UN-200-E-37	Spill		
		UN-200-E-98	Spill		
		UN-200-E-141	Spill		

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

Prioritized Listing of Operable Units. (sheet 14 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
B	200-TP-1	216-T-21	Trench		
		216-T-22	Trench		
		216-T-23	Trench		
		216-T-24	Trench		
		216-T-25	Trench		
		216-T-32	Crib		
		216-T-36	Crib		
		216-T-5	Trench		
		216-T-7TF	Crib		
B	200-TP-2	2607-WT	Septic Tank		
		200-W Powerhouse Pond	Pond		
		216-T-13	Trench		
		216-T-18	Crib		
		216-T-19TF	Crib		
		216-T-20	Trench		
		216-T-26	Crib		
		216-T-27	Crib		
		216-T-28	Crib		
		216-T-31	French Drain		
		241-TX-152	Diversion Box		
		241-TX-155	Diversion Box		
		241-TX-302B	Catch Tank		
		UN-200-W-113	Spill		
		UN-200-W-131	Spill		
		UN-200-W-135	Spill		
		UN-200-W-14	Spill		
		UN-200-W-28	Spill		
		UN-200-W-5	Spill		
		UN-200-W-99	Spill		
B	200-TP-4	216-T-1	Ditch		
		216-T-10	Trench		
		216-T-11	Trench		
		216-T-2	Reverse Well		
		216-T-29	Crib		
		216-T-3	Reverse Well		
		216-T-33	Crib		
		216-T-34	Crib		
		216-T-35	Crib		
		216-T-8	Crib		
		216-T-9	Trench		
		218-W-7	Burial Ground		
		218-W-8	Burial Ground		
		241-T-361	Settling Tank		

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

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Prioritized Listing of Operable Units. (sheet 15 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	200-TP-4 (Continued)	241-TX-154	Diversion Box		
		241-TX-302C	Catch Tank		
		2607-W3	Septic Tank		
		2607-W4	Septic Tank		
		UN-200-W-102	Spill		
		UN-200-W-137	Spill		
		UN-200-W-2	Spill		
		UN-200-W-21	Spill		
		UN-200-W-27	Spill		
		UN-200-W-3	Spill		
		UN-200-W-38	Spill		
		UN-200-W-4	Spill		
		UN-200-W-58	Spill		
		UN-200-W-65	Spill		
		UN-200-W-67	Spill		
		UN-200-W-73	Spill		
		UN-200-W-77	Spill		
		UN-200-W-8	Spill		
		UN-200-W-98	Spill		
B	200-ZP-2	207-Z	Retention Basin		
		216-Z-10	Reverse Well		
		216-Z-16	Crib		
		216-Z-17	Trench		
		216-Z-4	Trench		
		216-Z-5	Crib		
		216-Z-6	Crib		
		216-Z-7	Crib		
		216-Z-8	French Drain		
		216-Z-9	Trench		
		2607-W8	Septic Tank		
		2607-WA	Septic Tank		
		2607-Z8	Septic Tank		
		UN-200-W-130	Spill		
		UN-200-W-79	Spill		
B	200-IU-3	Central Landfill	Landfill		
		Original Central Landfill	Landfill		
		NRDW* Landfill	Landfill		TSD (D-6-1)
		6607-1	Septic Tank		
		6607-2	Septic Tank		
		UN-600-12	Spill		

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal
*Nonradioactive Dangerous Waste

Prioritized Listing of Operable Units. (sheet 16 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
B	300-FF-2 (GW Addressed by 300-FF-5)	300 Vitrification Test Site	Test treatment Facility	EPA	CPP
		618-1	Burial Ground		CPP
		618-13	Burial Ground		CPP
		618-2	Burial Ground		CPP
		618-3	Burial Ground		CPP
		618-7	Burial Ground		CPP
		618-8	Burial Ground		CPP
		618-9	Burial Ground		CPP
B	300-FF-3 (GW Addresseed by 300-FF-5)	300 Interim Filter Backwash Disposal	Pond	EPA	CPP
		309-TW-1	Storage Tank		CPP
		309-TW-2	Storage Tank		CPP
		309-TW-3	Storage Tank		CPP
		315 Retired Drain Field	Drain Field		CPP
		323 Tank 1	Tank		CPP
		323 Tank 2	Tank		CPP
		323 Tank 3	Tank		CPP
		323 Tank 4	Tank		CPP
		331 Drain field	Drain Field		CPP
		331 Trench 1	Trench		CPP
		331 Trench 2	Trench		CPP
		335 & 336 Retired Drain Fields	Drain Fields		CPP
		618-6	Burial Ground		CPP
		UN-300-10	Spill		CPP
		UN-300-12	Spill		CPP
		UN-300-13	Spill		CPP
		UN-300-17	Spill		CPP
		UN-300-18	Spill		CPP
		UN-300-39	Spill		CPP
		UN-300-4	Spill		CPP
		UN-300-40	Spill		CPP
		UN-300-42	Spill		CPP
		UN-300-43	Spill		CPP
		UN-300-44	Spill		CPP
		UN-300-45	Spill		CPP

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

Prioritized Listing of Operable Units. (sheet 17 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	300-FF-3 (Continued)	UN-300-5	Spill		CPP
		UN-300-7	Spill		CPP
C	100-IU-2	East White Bluffs Landfill	Landfill		
		White Bluffs Landfill	Landfill		
		J. A. Jones #2	Landfill		
C	100-IU-3	USBR* 2,4-D Burial Site	Landfill		
		Wahulke Slope NIKE Missile Base	Missile Base		
C	1100-EM-2	1100 Hoist Rams	Storage Tank		
		1100 HWSA**	Staging Area		
		1100 Steam Pad Tank #2	Storage Tank		
		1100 Steam Pad Tank #3	Storage Tank		
		1100 Used Oil Tank #4	Storage Tank		
		1100 Used Oil Tank #5	Storage Tank		
		1100 Used Oil Tank #6	Storage Tank		
		700 Area Waste Solvent Tank	Storage Tank		
C	1100-EM-3	1208 HWSA	Staging Area		
		1226 HWSA	Staging Area		
		1234 Storage Yard	Storage facility		
		1240 HWSA	Staging Area		
		Jones Yard HWSA	Staging Area		
		Underground Used Oil Tank	Storage Tank		
		UN-3000-1	Spill		

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal
*U.S. Bureau of Reclamation
**Hazardous Waste Staging Area

Prioritized Listing of Operable Units. (sheet 18 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
C	1100-IU-1	6652-C SSL* Active Septic Tank	Septic Tank		
		6652-C SSL* Inactive Septic Tank	Septic Tank		
		6652-I ALE** Septic Tank	Septic Tank		
		6652-G ALE Septic Tank	Septic Tank		
		Rattlesnake Mtn. NIKE Missile Base	Missile Base		
C	200-BP-10	218-E-2	Burial Ground		
		218-E-2A	Burial Ground		
		218-E-4	Burial Ground		
		218-E-5	Burial Ground		
		218-E-5A	Burial Ground		
		218-E-9	Burial Ground		
		UN-200-E-112	Spill		
		UN-200-E-61	Spill		
		UN-200-E-95	Spill		
C	200-BP-3	216-B-35	Trench		
		216-B-36	Trench		
		216-B-37	Trench		
		216-B-38	Trench		
		216-B-39	Trench		
		216-B-40	Trench		
		216-B-41	Trench		
		216-B-42	Trench		
C	200-BP-6	216-B-10A	Crib		
		216-B-10B	Crib		
		216-B-13	French Drain		
		216-B-4	Reverse Well		
		216-B-6	Reverse Well		
		216-B-60	Crib		
		218-E-6	Burial Ground		
		218-E-7	Burial Ground		
		241-BX-154	Diversion Box		
		241-BX-155	Diversion box		
		241-BX-302B	Catch Tank		
		241-BX-302C	Catch Tank		

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal
* = Space Science Laboratory
** = Arid Lands Ecology Reserve

Prioritized Listing of Operable Units. (sheet 19 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	200-BP-6 (Continued)	241-ER-152	Diversion Box		
		2607-E3	Septic Tank		
		2607-E4	Septic Tank		
		Tile Field South of 218-E-4	Tile Field		
		UN-200-E-1	Spill		
		UN-200-E-103	Spill		
		UN-200-E-2	Spill		
		UN-200-E-3	Spill		
		UN-200-E-41	Spill		
		UN-200-E-44	Spill		
		UN-200-E-52	Spill		
		UN-200-E-140	Spill		
		UN-200-E-54	Spill		
		UN-200-E-55	Spill		
		UN-200-E-69	Spill		
		UN-200-E-80	Spill		
		UN-200-E-85	Spill		
		UN-200-E-87	Spill		
		UN-200-E-90	Spill		
C	200-BP-8	207-B	Retention Basin		
		216-B-2-1	Ditch		
		216-B-2-2	Ditch		
		216-B-2-3	Ditch		
		216-B-63	Trench		TSD (D-2-6)
		2607-E9	Septic Tank		
C	200-BP-9	200 Area construction pit	Landfill		
		216-B-12	Crib		
		216-B-55	Crib		
		216-B-62	Crib		
		216-B-64	Crib		
		241-ER-151	Diversion Box		
		241-ER-311	Catch Tank		
		UN-200-E-64	Spill		
C	200-NO-1	216-N-1	Pond		
		216-N-2	Trench		
		216-N-3	Trench		
		216-N-4	Pond		
		216-N-5	Trench		
		216-N-6	Pond		
		216-N-7	Trench		

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

Prioritized Listing of Operable Units. (sheet 20 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
C	200-PO-6	200-E burning pit	Pit		
		218-E-12A	Burial Ground		
		218-E-8	Burial Ground		
C	200-RO-1	216-S-10D	Ditch		TSD (D-2-7)
		216-S-10P	Pond		TSD (D-2-7)
		216-S-11	Pond		
		216-S-16D	Ditch		
		216-S-16P	Pond		
		216-S-17	Pond		
		216-S-172	Control structure		
		216-S-19	Pond		
		216-S-25	Crib		
		216-S-5	Crib		
		216-S-6	Crib		
		216-U-9	Ditch		
		2607-WZ	Septic tank		
		2904-S-160	Control structure		
		2904-S-170	Control structure		
		2904-S-171	Control structure		
		UN-200-W-139	Spill		
C	200-RO-2	207-S	Retention Basin		
		216-S-1&2	Crib		
		216-S-13	Crib		
		216-S-15	Pond		
		216-S-18	Trench		
		216-S-23	Crib		
		216-S-3	French Drain		
		216-S-7	Crib		
		216-S-8	Trench		
		216-S-9	Crib		
		218-W-9	Burial Ground		
		241-S-302A	Catch Tank		
		241-SX-302	Catch Tank		
		UN-200-W-108	Spill		
		UN-200-W-109	Spill		
		UN-200-W-114	Spill		

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

Prioritized Listing of Operable Units. (sheet 21 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	200-RO-2 (Continued)	UN-200-W-123	Spill		
		UN-200-W-127	Spill		
		UN-200-W-20	Spill		
		UN-200-W-32	Spill		
		UN-200-W-34	Spill		
		UN-200-W-41	Spill		
		UN-200-W-42	Spill		
		UN-200-W-49	Spill		
		UN-200-W-50	Spill		
		UN-200-W-52	Spill		
		UN-200-W-82	Spill		
		UN-200-W-83	Spill		
		UN-200-W-85	Spill		
C	200-RO-3	207-SL	Retention Basin		
		216-S-12	Trench		
		216-S-14	Trench		
		216-S-20	Crib		
		216-S-22	Crib		
		216-S-26	Crib		
		240-S-151	Diversion Box		
		240-S-152	Diversion Box		
		240-S-302	Catch Tank		
		2607-W6	Septic Tank		
		UN-200-W-116	Spill		
		UN-200-W-30	Spill		
		UN-200-W-35	Spill		
		UN-200-W-43	Spill		
		UN-200-W-56	Spill		
		UN-200-W-57	Spill		
		UN-200-W-61	Spill		
		UN-200-W-87	Spill		
C	200-TP-3	207-T	Retention Basin		
		216-T-12	Trench		
		216-T-14	Trench		
		216-T-15	Trench		
		216-T-16	Trench		
		216-T-17	Trench		
		216-T-4-1D	Ditch		
		216-T-4-2	Ditch		
		216-T-4A	Pond		
		216-T-4B	Pond		
		216-T-6	Crib		
		UN-200-W-63	Spill		
		UN-200-W-7	Spill		

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 22 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
C	200-UP-1	216-S-21	Crib		
		216-S-4	French Drain		
		216-U-10	Pond		
		216-U-11	Ditch		
		216-U-13	Trench		
		216-Z-11	Ditch		
		216-Z-19	Ditch		
		216-Z-1D	Ditch		
		216-Z-20	Crib		
		2607-W9	Septic Tank		
		UN-200-W-68	Spill		
C	200-ZP-3	218-W-1	Burial Ground		
		218-W-1A	Burial Ground		
		218-W-2	Burial Ground		
		218-W-2A	Burial Ground		
		218-W-3	Burial Ground		
		218-W-4A	Burial Ground		
		218-W-11	Burial Ground		
		2607-WWA	Septic Tank		
		Z-Plant Burning Pit	Pit		
		UN-200-W-132	Spill		
		UN-200-W-44	Spill		
C	200-IU-4	Hanford Townsite Landfill	Landfill		
		Hanford Trailer Camp Landfill	Landfill		
		213 J & K	Storage facility		
		P-11	Crib		
		UN-600-16	Spill		
		UN-600-18	Spill		
C	300-IU-1	316-4	Crib		
		618-10	Burial Ground		
		618-11	Burial Ground		
		J. A. Jones #1	Landfill		
		UN-600-11	Spill		

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
C	300-FF-4	4713-B discharge	French drain		
		4722-B discharge	French drain		
		4722-C discharge	French drain		
		French drain #10	French drain		
		French drain #10A	French drain		
		French drain #1A	French drain		
		French drain #1B	French drain		
		French drain #2	French drain		
		French drain #3	French drain		
		French drain #4	French drain		
		French drain #5	French drain		
		French drain #6	French drain		
		French drain #7	French drain		
		French drain #8	French drain		
		French drain #9	French drain		
		403 discharge	French drain		
		4721 building	French drain		
		400 Area process pond and sewer	Pond		
		400 Area retired french drains	French drain		
		400 Area retired sanitary pond	Pond		
		400 Area retired septic tanks	Septic tank		
		Sand bottom trench	Trench		
		Sanitary sewer	Sewer		
		Sanitary tile field	Tile field		
		4831 laydown hazardous staging	Staging area		
		UN-400-1	Spill		
D	100-IU-4	Sodium dichromate barrel disposal	Landfill		
D	100-IU-5	White Bluffs pickling acid	Crib		
D	200-SS-1	200-E Powerhouse Ash Pit	Ash pit		
		218-E-3	Burial ground		
		2607-E1	Septic tank		

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	200-SS-1 (Continued)	2607-E7B	Septic tank		
		2607-E8	Septic tank		
		2607-EH	Septic tank		
		2607-EK	Septic tank		
		2607-EM	Septic tank		
		2607-EP	Septic tank		
		2607-EQ	Septic tank		
		2607-ER	Septic tank		
		2607-GF	Septic tank		
		Chemical tile field north of 2703-E	Drain field		
D	200-SS-2	200 West Ash Disposal Basin	Ash pit		
		200 West Burning Pit	Ash pit		
		200-W Powerhouse Ash Pit	Burning pit		
		216-W-LC	Crib		
		2607-W1	Septic Tank		
		2607-W2	Septic Tank		
		UN-200-W-88	Spill		
D	200-IU-1	Exploratory Shaft HWSA	Staging Area		
		Exploratory Shaft Septic Tank	Septic Tank		
		6607-3	Septic Tank		
D	200-IU-6	216-A-25	Pond		
		216-N-8	Pond		
D	200-IU-2	NSTF* Septic Tank	Septic Tank		
		NSTF* Underground Tank	Storage Tank		
		1607-FSM	Septic Tank		
D	200-IU-5	Batch Plant HWSA	Staging Area		
		2607-FSN	Septic tank		
		622-R	Septic Tank		
		Old central shop area	Building		

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal
*Near Surface Test Facility

APPENDIX C

Prioritized Listing of Operable Units. (sheet 25 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
*	200-BP-7	241-B Tank Farm (16 Units)	Single-Shell Tank	Ecology	TSD (S-2-4)
		241-B-151	Diversion Box		RPP
		241-B-152	Diversion Box		RPP
		241-B-153	Diversion Box		RPP
		241-B-252	Diversion Box		RPP
		241-B-301B	Catch Tank		RPP
		241-BR-152	Diversion Box		RPP
		241-BX Tank Farm (12 units)	Single-Shell Tank		TSD (S-2-4)
		241-BX-153	Diversion Box		RPP
		241-BX-302A	Catch Tank		RPP
		241-BXR-151	Diversion Box		RPP
		241-BXR-152	Diversion Box		RPP
		241-BXR-153	Diversion Box		RPP
		241-BY Tank Farm (12 units)	Single-Shell Tank		TSD (S-2-4)
		241-BYR-152	Diversion Box		RPP
		241-BYR-153	Diversion Box		RPP
		241-BYR-154	Diversion Box		RPP
		242-B-151	Diversion Box		RPP
		244-BXR	Receiving Vault		RPP
		2607-EB	Septic Tank		RPP
		UN-200-E-101	Spill		RPP
		UN-200-E-105	Spill		RPP
		UN-200-E-109	Spill		RPP
		UN-200-E-38	Spill		RPP
		UN-200-E-43	Spill		RPP
		UN-200-E-5	Spill		RPP
		UN-200-E-75	Spill		RPP
		UN-200-E-76	Spill		RPP
		UN-200-E-79	Spill		RPP
		UN-200-E-89	Spill		RPP
*	200-PO-3	216-A-39	Crib	Ecology	RPP
		216-C-8	French Drain		RPP
		241-A Tank Farm (6 units)	Single-Shell Tank		TSD (S-2-4)
		241-A-152	Diversion Box		RPP
		241-A-153	Diversion Box		RPP
		241-A-350	Catch Tank		RPP
		241-A-417	Condensate Tank		RPP
		241-A-A	Diversion Box		RPP
		241-A-B	Diversion Box		RPP

Note: *This operable unit contains single-shell tanks and is not prioritized with other operable units. Schedules for RFI/CMS work plans and subsequent characterization are being developed as part of the SST system closure/corrective action work plan.

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 26 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	200-PO-3 (Continued)	241-AR-151	Diversion box		RPP
		241-AX Tank Farm (4 units)	Single-shell tank		TSD (S-2-4)
		241-AX-151	Diversion box		RPP
		241-AX-152-CT	Catch tank		RPP
		241-AX-152-DS	Diverter station		RPP
		241-AX-155	Diversion box		RPP
		241-AX-501	Valve pit		RPP
		241-AX-A	Diversion box		RPP
		241-AX-B	Diversion box		RPP
		241-C Tank Farm (16 units)	Single-shell tank		TSD (S-2-4)
		241-C-151	Diversion box		RPP
		241-C-152	Diversion box		RPP
		241-C-153	Diversion box		RPP
		241-C-252	Diversion box		RPP
		241-C-301C	Catch tank		RPP
		241-CR-151	Diversion box		RPP
		241-CR-152	Diversion box		RPP
		241-CR-153	Diversion box		RPP
		241-ER-153	Diversion box		RPP
		2607-ED	Septic tank		RPP
		2607-EG	Septic tank		RPP
		2607-EJ	Septic tank		RPP
		UN-200-E-118	Spill		RPP
		UN-200-E-16	Spill		RPP
		UN-200-E-18	Spill		RPP
		UN-200-E-27	Spill		RPP
		UN-200-E-47	Spill		RPP
		UN-200-E-48	Spill		RPP
		UN-200-E-68	Spill		RPP
		UN-200-E-70	Spill		RPP
		UN-200-E-72	Spill		RPP
		UN-200-E-81	Spill		RPP
		UN-200-E-82	Spill		RPP
		UN-200-E-86	Spill		RPP
		UN-200-E-91	Spill		RPP

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 27 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
	200-PO-3 (Continued)	UN-200-E-94	Spill		RPP
		UN-200-E-99	Spill		RPP
		UN-200-E-100	Spill		RPP
		UN-200-E-107	Spill		RPP
*	200-RO-4	241-S Tank Farm (12 units)	Single-shell tank	Ecology	TSD (S-2-4)
		241-S-151	Diversion box		RPP
		241-S-152	Diversion box		RPP
		241-S-302B	Catch tank		RPP
		241-S-A	Valve pit		RPP
		241-S-B	Valve pit		RPP
		241-S-C	Valve pit		RPP
		241-S-D	Valve pit		RPP
		241-SX Tank Farm (15 units)	Single-shell tank		TSD (S-2-4)
		241-SX-151	Diversion box		RPP
		241-SX-152	Diversion box		RPP
		UN-200-W-10	Spill		RPP
		UN-200-W-80	Spill		RPP
		UN-200-W-81	Spill		RPP
*	200-TP-5	241-TX Tank Farm (18 units)	Single-shell tank	Ecology	TSD (S-2-4)
		241-TX-153	Diversion box		RPP
		241-TX-302A	Catch tank		RPP
		241-TXR-152	Diversion box		RPP
		241-TXR-153	Diversion box		RPP
		241-TY Tank Farm (6 units)	Single-shell tank		TSD (S-2-4)
		241-TY-153	Diversion box		RPP
		241-TY-302A	Catch tank		RPP
		241-TY-302B	Catch tank		RPP
		242-T-151	Diversion box		RPP
		2607-WTX	Septic tank		RPP
		UN-200-W-100	Spill		RPP
		UN-200-W-17	Spill		RPP
		UN-200-W-29	Spill		RPP
		UN-200-W-76	Spill		RPP

Note: *This operable unit contains sirgle-shell tanks and is not prioritized with other operable units. Schedules for RFI/CMS work plans and subsequent characterization are being developed as part of the SST system closure/corrective action work plan.

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 28 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
*	200-TP-6	241-T Tank Farm (16 units)	Single-Shell tank	Ecology	TSD (S-2-4)
		241-T-151	Diversion box		RPP
		241-T-152	Diversion box		RPP
		241-T-153	Diversion box		RPP
		241-T-252	Diversion box		RPP
		241-T-301	Catch tank		RPP
		241-T-302	Catch tank		RPP
		241-TR-152	Diversion box		RPP
		241-TR-153	Diversion box		RPP
		UN-200-W-62	Spill		RPP
		UN-200-W-64	Spill		RPP
		UN-200-W-97	Spill		RPP
*	200-UP-3	241-U Tank Farm (16 units)	Single-shell tank	Ecology	TSD (S-2-4)
		241-U-153	Diversion box		RPP
		241-U-252	Diversion box		RPP
		241-U-301	Catch tank		RPP
		241-U-A	Diversion box		RPP
		241-U-B	Diversion box		RPP
		241-U-C	Diversion box		RPP
		241-U-D	Diversion box		RPP
		241-UR-151	Diversion box		RPP
		241-UR-152	Diversion box		RPP
		241-UR-153	Diversion box		RPP
		241-UR-154	Diversion box		RPP
		244-UR	Receiving vault		RPP
		2607-WUT	Septic tank		RPP
		UN-200-W-71	Spill		RPP

Note: *This operable unit contains single-shell tanks and is not prioritized with other operable units. Schedules for RFI/CMS work plans and subsequent characterization are being developed as part of the SST system closure/corrective action work plan.

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX D

Work Schedule

- Listing of Currently Identified Interim Milestones
- Time-scaled Logic Networks

9211130276

Table D-1. Major and Interim Milestones--Disposal of Tank Waste.
(sheet 1 of 7)

Number	Milestone	Due Date
M-01-00	**Complete 14 grout campaigns of double-shell tank waste by September 1994 and maintain currency with waste feed thereafter** The 14 grout campaigns will support the acceleration of the single-shell tank stabilization activities by one year. Additional grout campaigns will allow double-shell tank space to be made available for single-shell tank waste. The number of grout campaigns each year after Sept. 1994 will be dependent upon the availability of grout feed material. Grout campaigns (up to 5 each year) will be conducted when sufficient waste feed is accumulated to fill a grout vault.	Sept. 1994
M-01-01	Complete a total of 3 grout campaigns of double-shell tank wastes (includes one campaign of phosphate-sulfate waste)	Sept. 1991
M-01-02	Complete a total of 6 grout campaigns of double-shell tank wastes	Sept. 1992
M-01-03	Complete a total of 10 grout campaigns of double-shell tank wastes	Sept. 1993
M-01-04	Complete a total of 14 grout campaigns of double-shell tank wastes	Sept. 1994
M-01-05	Commitments for additional grout campaigns after September 1994 will be incorporated as interim milestones	Biennially beginning Sept. 1994
M-02-00	**Initiate B Plant operations for pretreatment of double-shell tank waste** Double-shell tank waste pretreatment is required prior to disposal of high-activity tank wastes. The B Plant pretreatment supports the removal, treatment, and final disposal of wastes subject to land disposal restrictions which are stored in double-shell tanks. Removal of the wastes from double-shell tanks and disposal in grout or glass will allow double-shell tank space to be made available for single-shell tank waste.	Oct. 1993

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Table D-1. Major and Interim Milestones--Disposal of Tank Waste. (sheet 2 of 7)

Number	Milestone	Due Date
M-02-01	Initiate pretreatment of neutralized current acid waste	Oct. 1993
M-02-02	Commitments for pretreatment of additional tank wastes will be incorporated as interim milestones	Biennially beginning CY 1992
M-03-00	**Initiate Hanford Waste Vitrification Plant operations** Waste which is pretreated in B Plant will be designated for disposal in either glass or grout. Pending treatment and final disposal, the wastes must be stored in double-shell tanks. Completion of the vitrification plant will enable the pretreated waste to be removed from double-shell tanks, thus allowing double-shell tank space to be made available for single-shell tank waste. The HWVP also supports the removal, treatment, and final disposal of wastes subject to land disposal restrictions which are stored in double-shell tanks. Initiation of operations is defined to be hot startup.	**Dec. 1999**[1]
M-03-01	Initiate HWVP construction	July 1991
M-03-02	Complete HWVP construction	June 1998[1]
M-04-00	**Provide annual reports of tank waste treatability studies** Wastes stored in double-shell and single-shell tanks, as well as newly generated wastes destined to be stored in the double-shell tanks, will be studied to determine the most appropriate treatment/disposal method. Studies to determine the long-term feasibility of grout or glass for disposal of these wastes are included in the scope of this milestone.	**Annually Beginning Sept. 1990**
M-04-01	Provide letter to Ecology describing work scope to be included in Sept. 1990 report	Dec. 1989

[1]The U.S. Department of Energy, Richland Operations Office commits to request sufficient money in FY 1991 to meet milestone M-03-00.

Table D-1. Major and Interim Milestones--Disposal of Tank Waste.
(sheet 3 of 7)

Number	Milestone	Due Date
M-05-00	**Complete single-shell tank interim stabilization** Complete the single-shell tank interim stabilization activities (removal of pumpable liquid from those 51 single-shell tanks not yet stabilized) for all single-shell tanks except 241-C-105 and 241-C-106. All 149 tanks, including 241-C-105 and 241-C-106 will be interim stabilized and interim isolated by September 1996.	Sept. 1995
M-05-01	Interim stabilize 3 single-shell tanks	Sept. 1989
M-05-02	Interim stabilize an additional 5 single-shell tanks	Sept. 1990
M-05-03	Interim stabilize an additional 9 single-shell tanks	Sept. 1991
M-05-04	Interim stabilize an additional 9 single-shell tanks	Sept. 1992
M-05-05	Interim stabilize an additional 9 single-shell tanks	Sept. 1993
M-05-06	Interim stabilize an additional 9 single-shell tanks	Sept. 1994
M-05-07	Interim stabilize an additional 5 single-shell tanks (stabilization complete except for 241-C-105 and 241-C-106)	Sept. 1995
M-05-08	Interim stabilize Tanks 241-C-105 and 241-C-106	Sept. 1996
M-05-09	Complete interim stabilization and interim isolation of all 149 single-shell tanks	Sept. 1996

Table D-1. Major and Interim Milestones--Disposal of Tank Waste.
(sheet 4 of 7)

Number	Milestone	Due Date
M-06-00	**Develop single-shell tank waste retrieval technology and complete scale-model testing** Various waste retrieval technologies will be evaluated for retrieving each of the several types of single-shell tank wastes. Emphasis will be placed on optimizing waste removal while minimizing personnel exposure. Promising technologies will be evaluated for each waste type and one or more will be selected for testing using simulated waste in a scale model (minimum 1:12 scale) tank.	**June 1994**
M-06-01	Identify waste retrieval technologies to be tested in scale-model tank	Oct. 1990
M-06-02	Initiate waste retrieval testing in scale-model tank	Oct. 1992
M-07-00	**Initiate full-scale demonstration of waste retrieval technology** A full-scale waste retrieval demonstration at a pre-selected single-shell tank will follow scale model testing of waste retrieval technologies (Milestone M-06-00). This demonstration will be complete when it succeeds in removing no less than 95 percent of the radioactive and chemical waste inventory from the single-shell tank. If any waste remains in the tank or the surrounding soil, final tank closure will proceed under an approved closure plan in Milestone M-08 or M-09. Demonstration initiation is defined as startup of the waste retrieval equipment in the selected single-shell tank.	**Oct. 1997**
M-07-01	Submit tank selection criteria, retrieval options and recommended tank selection to Ecology for concurrence	Oct. 1993
M-07-02	Ecology concurrence/non-concurrence of tank selection criteria, retrieval options, and tank selection	Dec. 1993

Table D-1. Major and Interim Milestones--Disposal of Tank Waste.
(sheet 5 of 7)

Number	Milestone	Due Date
M-07-03	Complete final design for installation of piping and other required waste removal equipment	Dec. 1994
M-07-04	Submit completion date and completion criteria for full-scale demonstration project to Ecology for concurrence	Oct. 1997
M-07-05	Ecology concurrence/non-concurrence of completion date/criteria	Dec. 1997
M-08-00	**Initiate full-scale tank farm closure demonstration project** The full-scale tank farm demonstration project will include waste retrieval and the installation of a final cover. Decisions as to the appropriate disposal of wastes, tanks, contaminated piping, and soils will follow detailed characterization and regulatory agency approval as part of the closure process. For purposes of this milestone, initiation is defined as full-scale waste retrieval. The full-scale demonstration will serve to verify the various technologies being developed for tank farm closures.	June 2004
M-08-01	Submit tank farm selection criteria, closure method(s), tank farm selection rationale, and recommended tank farm selection to Ecology for approval	Jan. 1999
M-08-02	Complete final design for the installation of required piping and other required waste removal equipment	Jan. 2001
M-08-03	Submit tank farm closure plan for selected tank farm to Ecology for approval	Dec. 2003

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Table D-1. Major and Interim Milestones--Disposal of Tank Waste.
(sheet 6 of 7)

Number	Milestone	Due Date
M-09-00	**Complete closure of all 149 single-shell tanks** Closure and removal of required waste from the 149 single-shell tanks will be effected in accordance with the approved closure plan(s). As stated in the Hanford Defense Waste-Environmental Impact Statement Record of Decision, a supplemental EIS will be prepared prior to making any final decisions regarding disposal of single-shell tank waste. The final closure plan(s) will address the recommendations of the supplemental EIS.	**June 2018**
M-09-01	Complete preparation of supplemental EIS and issue draft for public review	June 2002
M-09-02	Submit closure plan to Ecology for approval	Dec. 2003
M-10-00	**Complete analyses of at least two complete core samples from each single-shell tank** Obtain and analyze a minimum of two core samples from each single-shell tank. Samples will be collected and analyzed to determine the characteristics of significant waste strata to support timely development of tank waste retrieval technology and to assist in preparation of single-shell tank closure plans and the supplemental EIS. Additional sampling may be determined to be necessary to ensure representative samples are obtained from each tank. Samples will be collected and analyzed in accordance with a single-shell tank waste analysis plan approved by Ecology. Data from this initial characterization may be adequate to identify those tanks whose waste will be retrieved. Additional sampling and analysis will be necessary to justify any decision to leave tank waste in place.	**Sept. 1998**
M-10-01	Submit draft waste sampling and analysis plan to National Academy of Sciences, Ecology, and EPA	March 1989
M-10-02	Submit waste sampling and analysis plan to Ecology for approval	May 1989

Table D-1. Major and Interim Milestones--Disposal of Tank Waste.
(sheet 7 of 7)

Number	Milestone	Due Date
M-10-03	Obtain 15 core samples from 2 tanks (reference sampling tanks)	Dec. 1989
M-10-04	Obtain 12 core samples from 6 tanks	Nov. 1990
M-10-05	Obtain 20 core samples from 10 tanks	Oct. 1991
M-10-06	Obtain 20 core samples from 10 tanks	Sept. 1992
M-10-07	Obtain 22 core samples from 11 tanks	Sept. 1993
M-10-08	Obtain 44 core samples from 22 tanks	Sept. 1994
M-10-09	Obtain 44 core samples from 22 tanks	Sept. 1995
M-10-10	Obtain 44 core samples from 22 tanks	Sept. 1996
M-10-11	Obtain 44 core samples from 22 tanks	Sept. 1997
M-10-12	Obtain 44 core samples from 22 tanks	Sept. 1998
M-11-00	**Complete construction and initiate operations of expanded laboratory hot cells for high-level radioactive mixed waste** The expanded laboratory hot cells will provide analytical capabilities for waste analyses from single-shell tanks, double-shell tanks, and B Plant pretreatment processing. The hot cells will provide at least double the sample throughput capacity from that which is currently available at the 222-S Laboratory.	**June 1994**
M-11-01	Complete conceptual design for hot cell expansion	June 1989
M-11-02	Complete definitive design for hot cell expansion	March 1992

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Table D-2. Major and Interim Milestones--Cleanup of Past-Practice Units. (sheet 1 of 4)

Number	Milestone	Due Date
M-12-00	**Submit RI/FS or RFI/CMS work plans for 20 operable units** Work plans for each of the first 20 operable units listed in Appendix C will be prepared and submitted to EPA and Ecology by April 1992. The work plans will meet the requirements of RCRA or CERCLA, depending upon whether the operable unit has been assigned to RCRA Past Practices or to CERCLA (see Appendix C). DOE will implement each RI/FS or RFI/CMS upon lead regulatory agency approval and in accordance with the schedule in Appendix D.	**April 1992**
M-12-01	Submit 1100-EM-1 Operable Unit Work Plan (groundwater and source operable unit)	Jan. 1989
M-12-02	Submit 200-BP-1 Operable Unit Work Plan (groundwater and source operable unit)	Feb. 1989
M-12-03	Submit 300-FF-1 Operable Unit Work Plan (source operable unit)	March 1989
M-12-04	Submit 300-FF-5 Operable Unit Work Plan (groundwater operable unit)	Sept. 1989
M-12-05[1]	Submit 100-HR-1 Operable Unit Work Plan (source operable unit).	June 1989
M-12-06[1]	Submit 100-HR-3 Operable Unit Work Plan (groundwater operable unit).	June 1989
M-12-07[1]	Submit 100-DR-1 Operable Unit Work Plan (source operable unit).	Oct. 1989
M-12-08	Submit 100-BC-1 Operable Unit Work Plan (source operable unit)	June 1990

[1]Work plan will be prepared in accordance with CERCLA guidance but will reflect RCRA terminology.

Table D-2. Major and Interim Milestones--Cleanup of Past-Practice Units. (sheet 2 of 4)

Number	Milestone	Due Date
M-12-09	Submit 100-BC-5 Operable Unit Work Plan (groundwater operable unit)	June 1990
M-12-10	Submit 100-KR-1 Operable Unit Work Plan (source operable unit)	Aug. 1990
M-12-11	Submit 100-KR-4 Operable Unit Work Plan (groundwater operable unit)	Aug. 1990
M-12-12	Submit 100-NR-1 Operable Unit Work Plan (source and groundwater operable unit)	Dec. 1990
M-12-13	Submit 100-FR-1 Operable Unit Work Plan (source and groundwater operable unit)	April 1991
M-12-14	Submit 100-NR-3 Operable Unit Work Plan (source and groundwater operable unit)	Dec. 1990
M-12-15	Submit 200-UP-2 Operable Unit Work Plan (source and groundwater operable unit)	June 1991
M-12-16	Submit 100-BC-2 Operable Unit Work Plan (source and groundwater operable unit)	Aug. 1991
M-12-17	Submit 200-BP-5 Operable Unit Work Plan (source and groundwater operable unit)	Oct. 1991
M-12-18	Submit 100-DR-2 Operable Unit Work Plan (source operable unit)	Dec. 1991
M-12-19	Submit 200-ZP-1 Operable Unit Work Plan (source and groundwater operable unit)	Feb. 1992
M-12-20	Submit 100-KR-2 Operable Unit Work Plan (source and groundwater operable unit)	April 1992

Table D-2. Major and Interim Milestones--Cleanup of Past-Practice Units. (sheet 3 of 4)

Number	Milestone	Due Date
M-13-00	**Submit six RI/FS or RFI/CMS work plans per year** Submit a minimum of six RI/FS or RFI/CMS work plans per calendar year until work plans have been submitted for all operable units. The work plans will meet the requirements of RCRA or CERCLA depending on whether the operable unit has been assigned to RCRA Past Practices or to CERCLA (see Appendix C). DOE will implement each RI/FS or RFI/CMS upon lead regulatory agency approval and in accordance with the schedule in Appendix D. Interim milestones will be developed during each annual update of the work schedules in Appendix D. Milestones M-12-19 and M-12-20 will apply towards the six work plans scheduled for CY 1992.	**Annually Beginning CY 1992**
M-14-00	**Complete construction and initiate operations of a low-level mixed waste laboratory** The low-level mixed waste laboratory will provide analytical capabilities to analyze hazardous waste samples, those containing low levels of radioactivity as well as those that are strictly hazardous. The new laboratory will be sized in accordance with the design specifications of the project Conceptual Design Report.	Jan. 1992
M-14-01	Complete definitive design for a low-level mixed waste laboratory	Sept. 1990

Table D-2. Major and Interim Milestones--Cleanup of Past-Practice Units. (sheet 4 of 4)

Number	Milestone	Due Date
M-15-00	**Complete the RI/FS (or RFI/CMS) process for all operable units** All operable units (including groundwater operable units) will have been investigated through the RI/FS (or RFI/CMS) process, and the public comment period will be completed. Specific remedial actions for each operable unit will be selected.	Sept. 2005
M-15-01A	**Submit draft 1100-EM-1 Feasibility Study Phase I and II report to EPA and Ecology for review**	Dec. 1990
M-15-01B	**Submit draft 1100-EM-1 Remedial Investigation Phase II report to EPA and Ecology for review**	Nov. 1991
M-15-01C	**Submit draft 1100-EM-1 Feasibility Study Phase III report and proposed plan to EPA and Ecology for review**	Apr. 1992
M-16-00	**Complete the remedial actions for all operable units** Remedial actions will be completed for each operable unit in accordance with the schedules developed as part of the remedial design (RD)/remedial action (RA) or corrective measure implementation (CMI) work plan.	Sept. 2018

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 1 of 11)

Number	Milestone	Due Date
M-17-00	Complete liquid effluent treatment facilities/ upgrades for all Phase I streams Hanford currently has 19 Phase I liquid effluent streams being discharged to cribs, ponds, or ditches. Phase I streams are defined in the "Annual Status Report of the Plan and Schedule to Discontinue Disposal of Contaminated Liquids into the Soil Column at the Hanford Site," September 1988. Some of the cribs, ponds, or ditches are RCRA waste disposal units. These, along with others, are located in areas requiring inactive site investigations/ remedial actions. Liquid effluent streams are classified as Phase I streams based upon radionuclide/chemical content, regulatory requirements relative to the waste disposal unit, chemical spill potential, and waste disposal unit life expectancy. Each of the 19 Phase I effluent streams will be either treated or eliminated. Specific completion dates for each waste stream are identified in the Appendix D work schedules. Completion dates for eight specific waste stream treatment or management systems are interim (enforceable) milestones. The remaining completion dates are target dates (not enforceable) which are included as such in order to allow management flexibility. Target date projects under M-17-00 shall be completed no later than June 1995.	June 1995
M-17-01	Complete B Pond by-pass system installation	Oct. 1990
M-17-02	Complete PUREX ammonia scrubber distillate treatment system	Jan. 1995
M-17-03	Complete PUREX demineralizer regeneration neutralization system upgrades	Sept. 1989

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 2 of 11)

Number	Milestone	Due Date
M-17-04	Complete B Plant chemical sewer upgrades	July 1992
M-17-05	Select 300 Area Process Trench effluent treatment option and establish schedule for implementing treatment and ceasing liquid discharges	March 1990
M-17-06	Cease all discharges to 300 Area process trenches	Dec. 1991
M-17-07	Complete secondary waste treatment system	June 1995
M-17-08	Complete 200 Area treated effluent system	June 1995
M-17-09	Complete 300 Area treated effluent system	June 1995
M-17-10	Cease all liquid discharges to hazardous land disposal units unless such units have been clean closed in accordance with RCRA	June 1995
M-18-00	**Complete Waste Receiving and Processing (WRAP) Module I construction and initiate operations** The WRAP Module I is required to sort and repackage wastes that are planned to be retrieved from retrievable storage units. Much of the waste currently stored in the retrievable storage units is anticipated to be radioactive mixed waste. Some of the radioactive waste stored on the pads is known to contain extremely hazardous waste as well as federally land-banned waste.	**Sept. 1996**
M-18-01	Complete construction of WRAP Module I	Sept. 1995

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 3 of 11)

Number	Milestone	Due Date
M-19-00	**Complete WRAP Module II construction and initiate operations** The WRAP Module II will include waste treatment capabilities to minimize land disposal of low-level radioactive waste and radioactive mixed waste. The September 1999 completion date of WRAP Module II is critical to achieving compliance for the management of wastes that are prohibited from land disposal and extended storage.	**Sept. 1999**
M-19-01	Complete construction of WRAP Module II	Sept. 1998
M-20-00	**Submit Part B permit applications or closure plans for all RCRA TSD units** All Part B permit applications, closure plans, and post-closure permit applications will be submitted to Ecology and the EPA by May 1996. Individual unit submittals will occur as shown in the Appendix D work schedules. Scheduled submittal dates shall be enforceable as interim milestones.	**May 1996**
M-20-01	Submit HWVP (TS-2-5) Part B to Ecology and EPA	July 1989
M-20-02	Submit 616 Storage Facility (S-6-1) Part B to Ecology and EPA	July 1989
M-20-03	Submit Single-Shell Tank System (S-2-4) Closure/Corrective Action Work Plan to Ecology and EPA	Sept. 1989
M-20-04	Submit 2101-M Pond (D-2-1) Closure Plan to Ecology and EPA	Sept. 1989
M-20-05	Submit Central Waste Complex - RMW Storage (B-2-4) Part B to Ecology and EPA	Oct. 1991
M-20-06	Submit Low-Level Burial Grounds (D-2-9) Part B to Ecology and EPA	Dec. 1989
M-20-07	Submit Nonradioactive Dangerous Waste Landfill (D-6-1) Closure/Post-Closure Plan to Ecology and EPA	Aug. 1990

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 4 of 11)

Number	Milestone	Due Date
M-20-08	Submit 305-B Storage Facility (S-3-2) Part B to Ecology and EPA	Jan. 1990
M-20-09	Submit 216-B-3 Pond (D-2-5) Closure/Post-Closure Plan to Ecology and EPA	March 1990
M-20-10	Submit 300 Area Waste Acid System (TS-3-1) Closure Plan to Ecology and EPA (includes 311 Tanks)	June 1990
M-20-11	Submit PUREX Tunnels (S-2-1) Part B to Ecology and EPA	Sept. 1990
M-20-12	Submit Central Waste Complex - (TS-2-4) WRAP Part B to Ecology and EPA	Oct. 1991
M-20-13	Submit 303-K Storage Area (S-3-1) Closure Plan to Ecology and EPA	April 1990
M-20-14	Submit 4843 Sodium Storage Facility (S-4-1) Part B to Ecology and EPA	March 1991
M-20-15	Submit 304 Concretion Facility (TS-3-2) Closure Plan to Ecology and EPA	April 1990
M-20-16	Submit Double-Shell Tanks (S-2-3) Part B to Ecology and EPA	June 1991
M-20-17	Submit 242-A Evaporator (T-2-6) Part B to Ecology and EPA	June 1991
M-20-18	Submit 3718-F Alkali Metal Treatment and Storage Facility (TS-3-3) Part B to Ecology and EPA	June 1991
M-20-19	Submit Simulated High-Level Slurry Treatment/ Storage (TS-3-4) Closure Plan to Ecology and EPA	Sept. 1989
M-20-20	Submit 325 Waste Treatment Facility (T-3-4) Part B to Ecology and EPA	August 1991
M-20-21	Submit B Plant (TS-2-3) Part B to Ecology and EPA	Oct. 1991

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 5 of 11)

Number	Milestone	Due Date
M-20-22	Submit 222-S Laboratory (TS-2-1) Part B to Ecology and EPA	Dec. 1991
M-20-23	Submit TRUSAF Storage (S-2-2) Part B to Ecology and EPA	June 1992
M-20-24	Submit PUREX (TS-2-6) Part B to Ecology and EPA	Sept. 1992
M-20-25	Submit Hanford Patrol Academy Demolition Sites (T-11-1) Part B to Ecology and EPA	Nov. 1992
M-20-26	Submit Ashpit Demolition Site (T-2-2) Closure Plan to Ecology and EPA	Nov. 1992
M-20-27	Submit Hexone Storage and Treatment (TS-2-2) Closure Plan to Ecology and EPA	Nov. 1992
M-20-28	Submit E-8 Borrow Pit Demolition Site (T-2-1) Closure Plan to Ecology and EPA	Nov. 1992
M-20-29	Submit MASF (T-4-1) Part B to Ecology and EPA	Nov. 1993
M-20-30	Submit 303-M Oxide Facility (T-3-2) Part B to Ecology and EPA	Oct. 1992
M-20-31	Submit 1301-N/1325-N (D-1-2) Closure Plan/ Post-Closure Plan to Ecology and EPA	May 1994
M-20-32	Submit 300 Area Process Trenches (D-3-1) Closure/Post-Closure Plan to Ecology and EPA	Sept. 1992
M-20-33	Submit 216-A-10 Crib (D-2-2) Closure/ Post-Closure Plan to Ecology and EPA	March 1996
M-20-34	Submit 216-A-36B Crib (D-2-4) Closure/ Post-Closure Plan to Ecology and EPA	March 1996
M-20-35	Submit 1324-N/1324-NA (T-1-2) Closure Plan to Ecology and EPA	Sept. 1994
M-20-36	Submit 216-A-29 Ditch(D-2-3) Closure/ Post-Closure Plan to Ecology and EPA	May 1996

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 6 of 11)

Number	Milestone	Due Date
M-20-37	Submit 216-U-12 Crib (D-2-8) Closure Plan/ Post-Closure Plan to Ecology and EPA	Nov. 1994
M-20-38	Submit 216-B-63 Trench (D-2-6) Closure Plan to Ecology and EPA	May 1996
M-20-39	Submit 216-S-10 Pond and Ditch (D-2-7) Closure Plan to Ecology and EPA	May 1996
M-20-40	Submit 100-D Ponds (D-1-1) Closure Plan to Ecology and EPA	Feb. 1993
M-20-41	Submit 105-DR (T-1-1) Closure Plan to Ecology and EPA	Sept. 1990
M-20-42	Submit Thermal Treatment (T-X-3) Part B to Ecology and EPA	Dec. 1993
M-20-43	Submit Physical/Chemical Treatment (T-X-2) Part B to Ecology and EPA	Dec. 1994
M-20-44	Submit Biological Treatment (T-X-1) Part B to Ecology and EPA	Dec. 1995
M-20-45	Submit petitions to Ecology to withdraw Part A permit applications for 332 Storage Facility, 1706-KE Treatment Facility, 2727-WA Sodium Storage Facility, 221-T Alkali Metal Treatment and Storage Facility, and 324 Sodium Treatment Pilot Plant	June 1989
M-20-46	Submit petitions to Ecology to manage the following facilities as "treatment by generator" facilities: T Plant Treatment Tank, 222-S Treatment Tank, PUREX Treatment Tanks, 204-AR Waste Unloading Facility, and 241-Z Treatment Tank	June 1989
M-21-00	**Submit RCRA interim status compliance assessments for all TSD units** RCRA operational units and those undergoing closure will be assessed for compliance with RCRA and state Dangerous Waste interim status requirements. Part A applications which will be withdrawn or units not yet constructed are not included in these assessments. Copies of the assessment documentation will be provided	April 1989

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 7 of 11)

Number	Milestone	Due Date
	to Ecology within 30 days of assessment completion. The last assessment will be completed by March 31, 1989. Facilities to be assessed by March 31, 1989, include tank farms, low-level burial grounds, Plutonium Finishing Plant, PUREX, B Plant, N Reactor, 100 K Area Fuel Storage, Fast Flux Text Facility, T Plant, 222-S, 616 Storage Facility, Central Waste Complex, Nonradioactive Dangerous Waste Landfill, 300 Area Fuel Fabrication Facilities, Patrol demolition site, 4843 Sodium Storage Facility, 3718-F Alkali Metal Treatment and Storage, single-shell tanks, hexone tanks, 183-H, 2727-S, 300 Area Solvent Evaporator, 105-DR Sodium Fire Facility, E-8 Borrow Pit, 200 West Ash Pit, 216-U-12 Crib, 2101-M Pond, 216-S-10 Ditch and Pond, and 100-D Ponds.	
M-22-00	**Establish enforceable compliance action schedules** Schedules will be developed for review and approval by Ecology and the EPA for any actions identified in the interim status compliance assessments that are necessary to ensure compliance with interim status requirements. Specific compliance actions will become enforceable interim milestones under M-23-00.	**Dec. 1989**
M-22-01	**Submit petitions or requests for variance from interim status standards to Ecology and EPA**	**Sept. 1989**

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 8 of 11)

Number	Milestone	Due Date
M-23-00	**Complete Interim Status Corrective Actions** Complete actions identified in interim status compliance assessments (M-21-00) excluding groundwater monitoring and closure plans. Petitions for modification of inspection and labeling requirements were submitted to Ecology in September 1989 (M-21-01). Pending resolution, inspections and labeling will be performed per existing operations procedures.	Sept.1991
M-23-01	Resubmit Treatment by Generator Requests for: T-Plant, 222-S, PUREX and 204-AR.	June 1990
M-23-02	Resubmit Request for Part A Permit Application withdrawal for the following facilities: 221-T Containment System Test Facility and the 324 Sodium Removal Pilot Plant.	Jan. 1990
M-23-03	Complete Waste Analysis Plans for Double Shell Tanks, 242-A Evaporator, and B Plant active TSD units. Waste Analysis Plans will be upgraded when additional laboratory capabilities are available pursuant to Milestones M-11-00 and M-14-00.	Dec. 1990
M-23-04	Complete Waste Analysis Plans for 4843 Storage Facility and Single Shell Tanks.	June 1990
M-23-05	Complete Contingency Plans for Low-Level Burial Grounds, 4843 Storage Facility, Central Waste Complex, T-Plant, TRUSAF, and 616.	June 1990
M-23-06	Complete Contingency Plans for Single-Shell Tanks, Double-Shell Tanks and 242-A Evaporator.	Oct. 1990
M-23-07	Complete Interim Status Corrective Actions for 222-S Storage Pad.	March 1990
M-23-08	Complete Interim Status Corrective Actions for 4843 Storage Facility.	June 1990

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Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 9 of 11)

Number	Milestone	Due Date
M-23-09	Notify Ecology of Decision on Operating Status of 3718-F Alkali Metal Treatment Facility.	Sept. 1990
M-23-10	If Operational, Complete Interim Status Corrective Actions for 3718-F.	Sept. 1991
M-23-11	Complete Interim Status Corrective Actions for Single Shell Tanks.	Dec. 1990
M-23-12	Complete Interim Status Corrective Actions for Double Shell Tanks.	Dec. 1990
M-23-13	Complete Interim Status Corrective Actions for 242-A Evaporator.	Dec. 1990
M-23-14	Complete Interim Status Corrective Actions for Low-Level Burial Grounds.	Jan. 1991
M-23-15	Complete Interim Status Corrective Actions for TRUSAF (224-T).	June 1990
M-23-16	Complete Interim Status Corrective Actions for 616 facility.	June 1990
M-23-17	Complete Interim Status Corrective Actions for Central Waste Complex.	June 1990
M-23-18	Complete Interim Status Corrective Actions for B-Plant.	Sept. 1991
M-23-19	Complete All B-Plant Cell 4 Corrective Actions.	Dec. 1990
M-23-20	Complete Interim Status Corrective Actions for T-Plant.	Jan. 1991
M-24-00	**Install RCRA groundwater monitoring wells at the rate of 29 in CY 1989, 30 in CY 1990, and 50 per year thereafter until all land disposal units and single-shell tanks are determined to have RCRA compliant monitoring systems** USDOE will install groundwater monitoring wells around RCRA land disposal units and the single-shell tanks at the rate described above until Ecology determines that all such groundwater monitoring systems meet the requirements of WAC 173-303-645.	**Annually Beginning CY 1989**

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 10 of 11)

Number	Milestone	Due Date
	Installation of groundwater wells shall mean that wells have been drilled, adequately sealed, and screened over no more than 15 feet of the aquifer unless otherwise approved by Ecology, that all pumps and associated sampling equipment have been installed, and that such wells have been developed sufficiently to provide satisfactory samples for all parameters to be analyzed. Specific units to receive groundwater wells and the number of wells to be installed at each unit will be identified in Appendix D in two-year intervals (i.e., CY 1989 and CY 1990 now, CY 1990 and CY 1991 at the next annual update, etc.). Such schedules will be enforceable as interim milestones.	
M-24-01	Install 10 additional wells around the Low-Level Burial Grounds for a total of 45 RCRA groundwater wells	Dec. 1989
M-24-02	Install 5 additional wells around B Pond for a total of 9 RCRA monitoring wells	Dec. 1989
M-24-03	Install 12 wells around the SSTs for a total of 12 RCRA monitoring wells	Dec. 1989
M-24-04	Install 2 additional wells around the grout vault area for a total of 7 RCRA monitoring wells	Dec. 1989
M-24-05	Install 1 additional well around the Grout Vault Area for a total of 8 RCRA monitoring wells	Dec. 1990
M-24-06	Install 6 additional wells around the Low-Level Burial Grounds for a total of 51 RCRA monitoring wells	Dec. 1990
M-24-07	Install 11 additional wells around the SSTs for a total of 23 RCRA monitoring wells	Dec. 1990
M-24-08	Install 4 wells around the B-63 Trench for a total of 4 RCRA monitoring wells	Dec. 1990

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 11 of 11)

Number	Milestone	Due Date
M-24-09	Install 3 wells around the S-10 Ditch and Pond for a total of 3 RCRA monitoring wells	Dec. 1990
M-24-10	Install 4 wells around the U-12 Crib for a total of 4 RCRA monitoring wells	Dec. 1990
M-24-11	Install 1 additional well around B Pond for a total of 11 RCRA monitoring wells	Dec. 1990
M-24-12	Install 18 additional RCRA wells around low-level burial grounds (69 total)	Dec. 1991
M-24-13	Install 3 RCRA wells around 216-S10-Pond	Dec. 1991
M-24-14	Install 4 additional RCRA wells around the 100-D Ponds	Dec. 1991
M-24-15	Install 10 additional RCRA wells around the SSTs (33 total)	Dec. 1991
M-24-16	Install 7 additional RCRA wells around the B-Pond (17 total)	Dec. 1991
M-24-17	Install 4 additional RCRA wells around the 1324-N/NA Ponds	Dec. 1991
M-24-18	Install 4 additional RCRA wells around the 216-A-29 ditch	Dec. 1991
M-25-00	Provide annual reports of studies/efforts that are in progress to identify alternatives to land disposal of radioactive mixed wastes The annual reports will provide information regarding actions taken to minimize waste generation, recycle/reclaim wastes, or treat wastes. No interim milestones to be identified; each annual report is tracked as a major milestone.	Annually Beginning March 1990

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FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

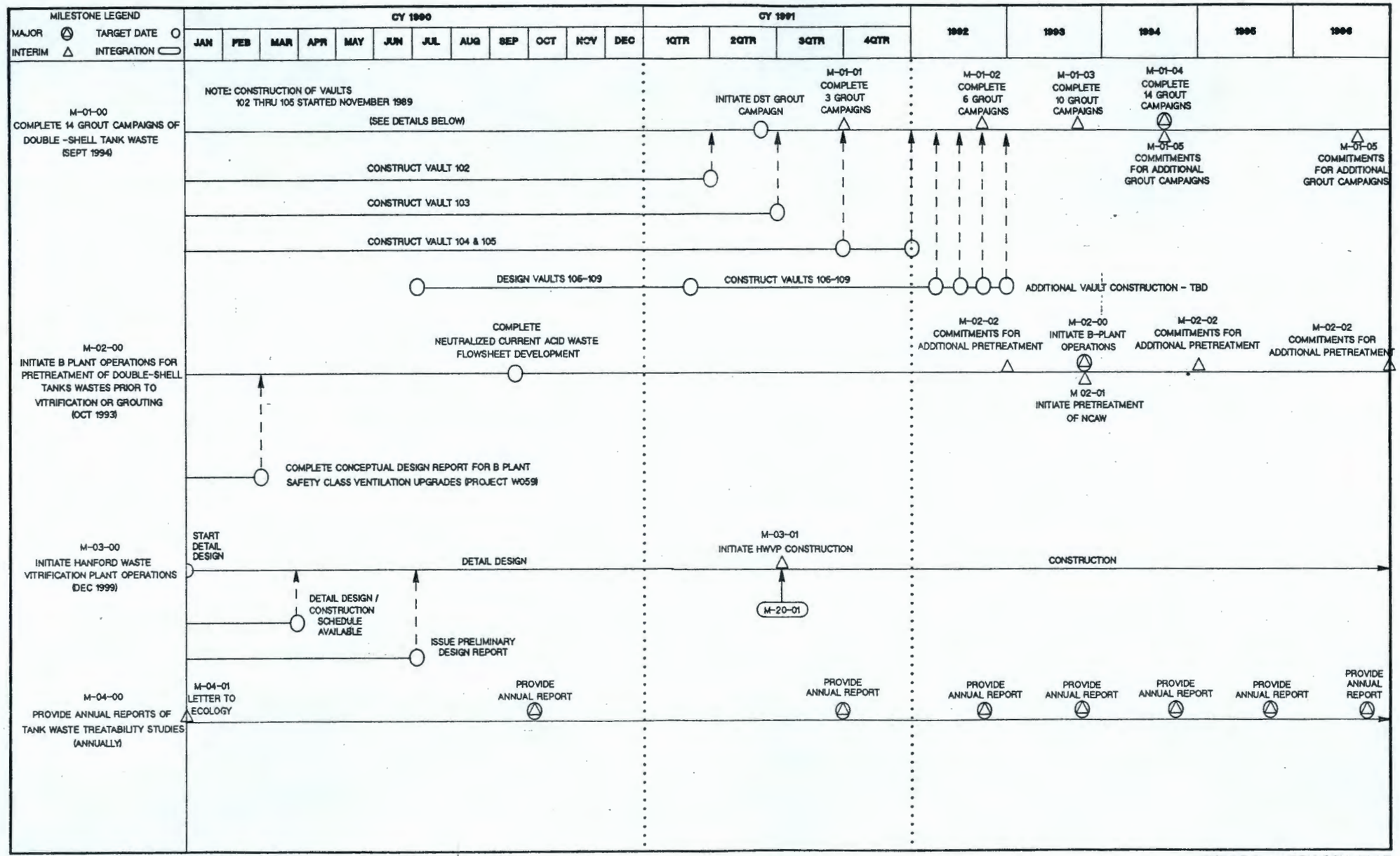

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

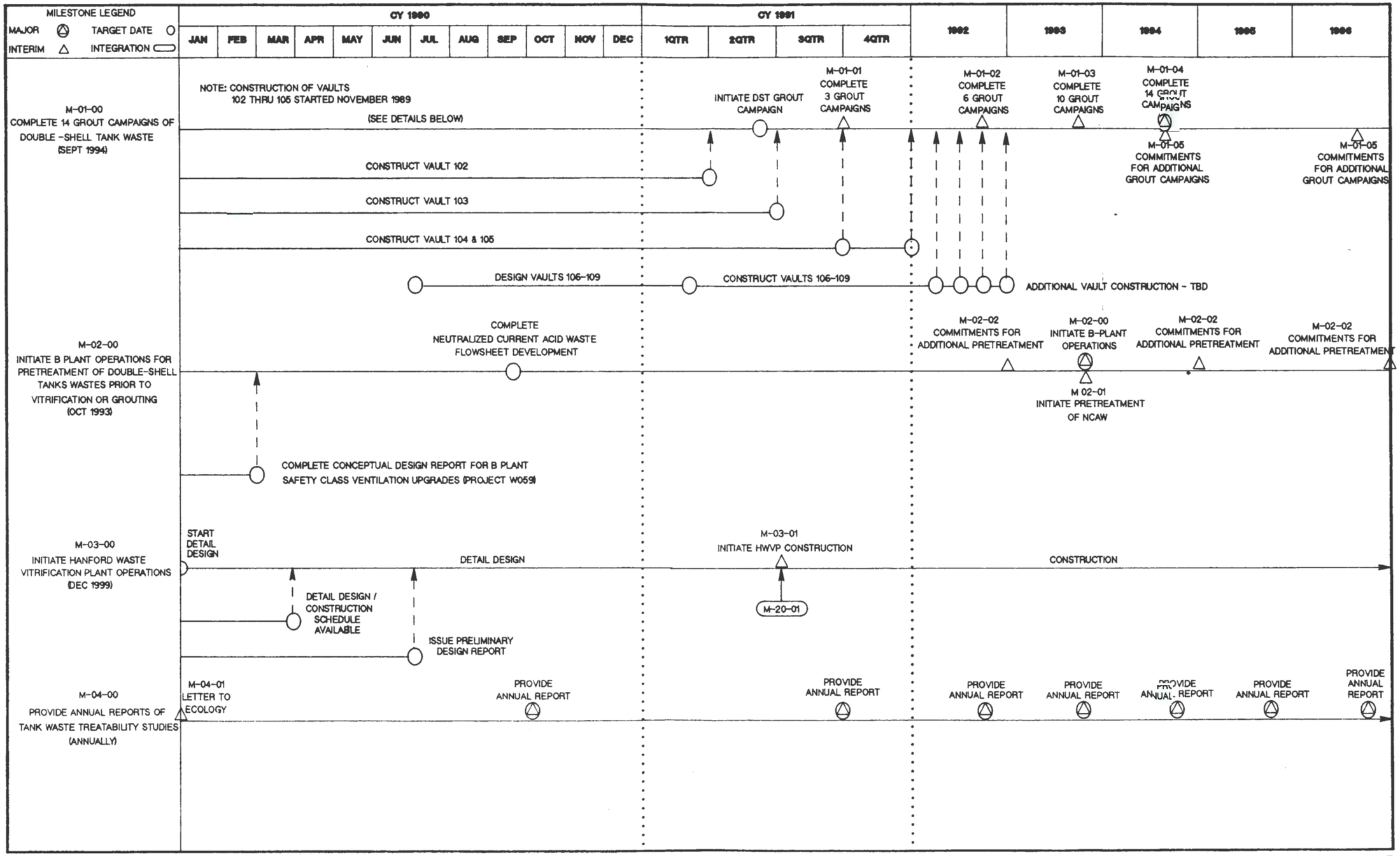

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

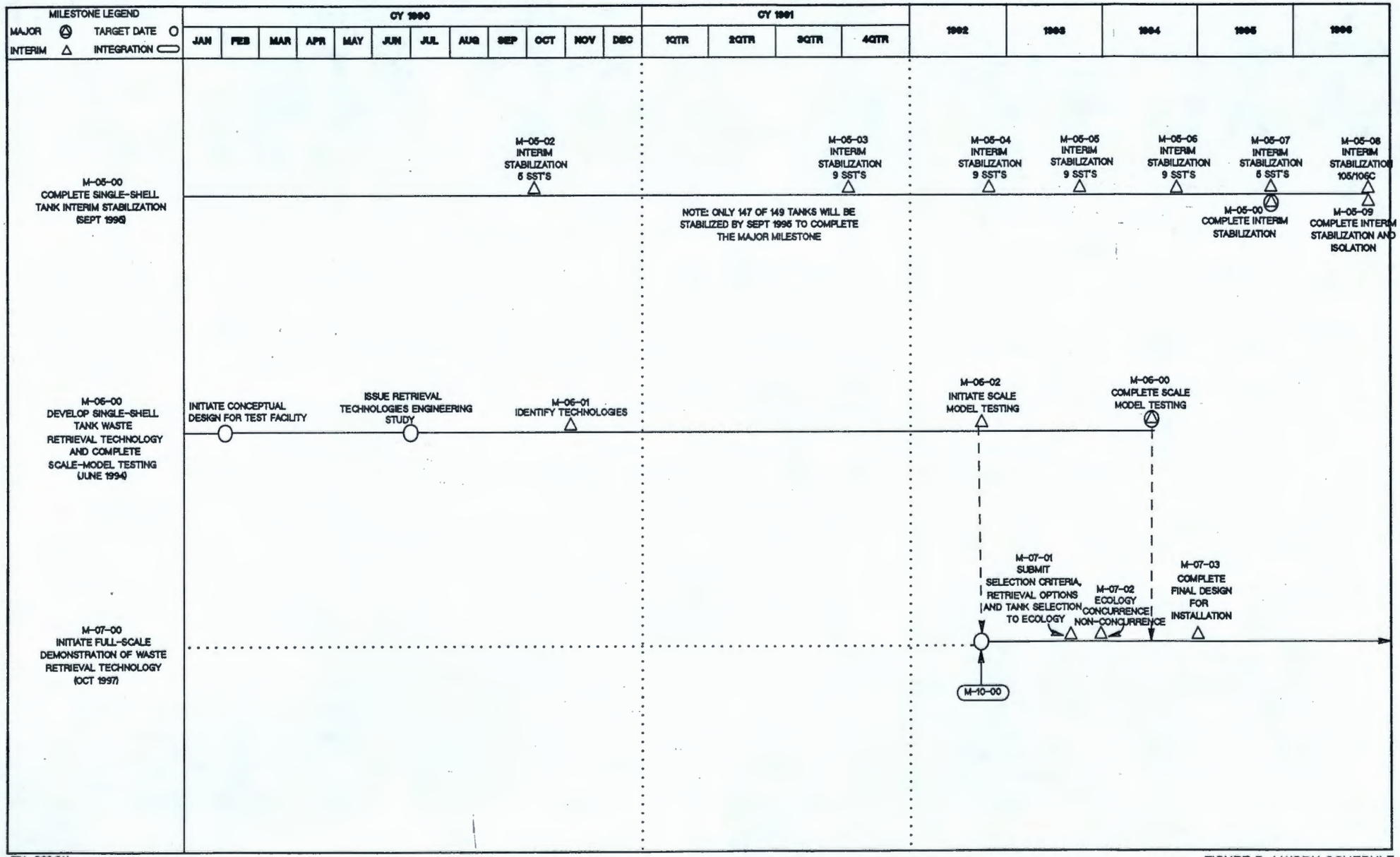

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

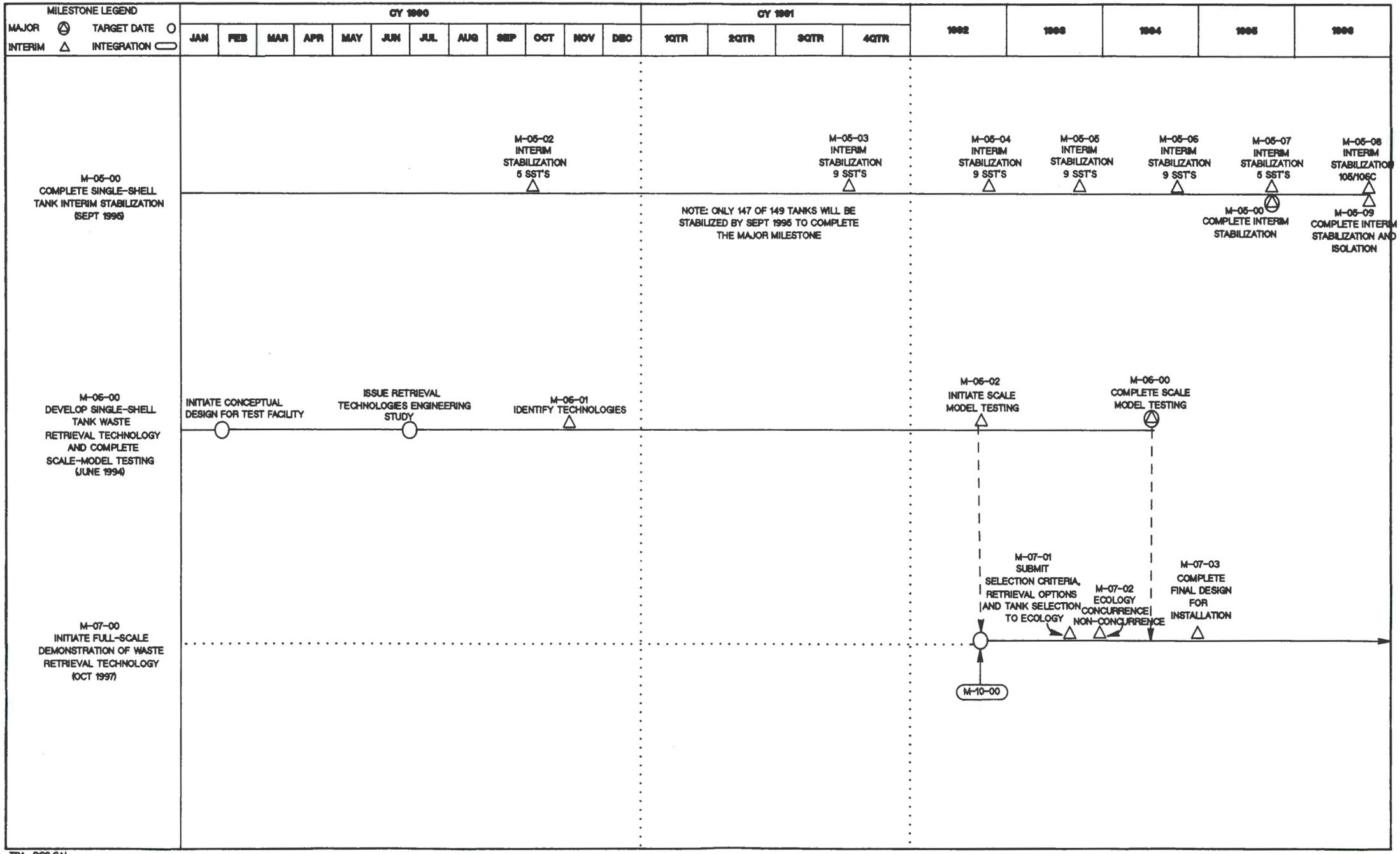

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FIGURE D-1 WORK SCHEDULE

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FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

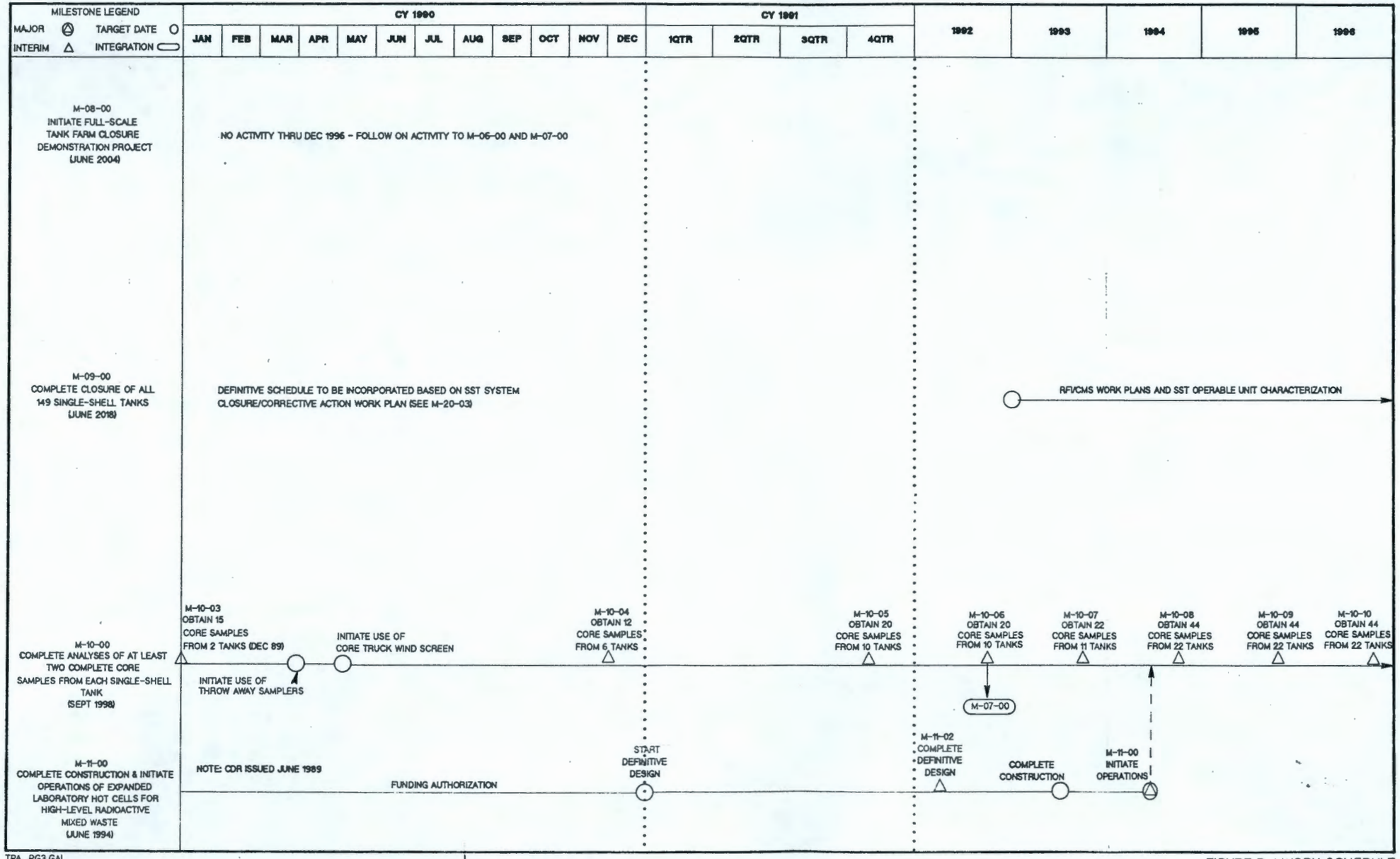

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

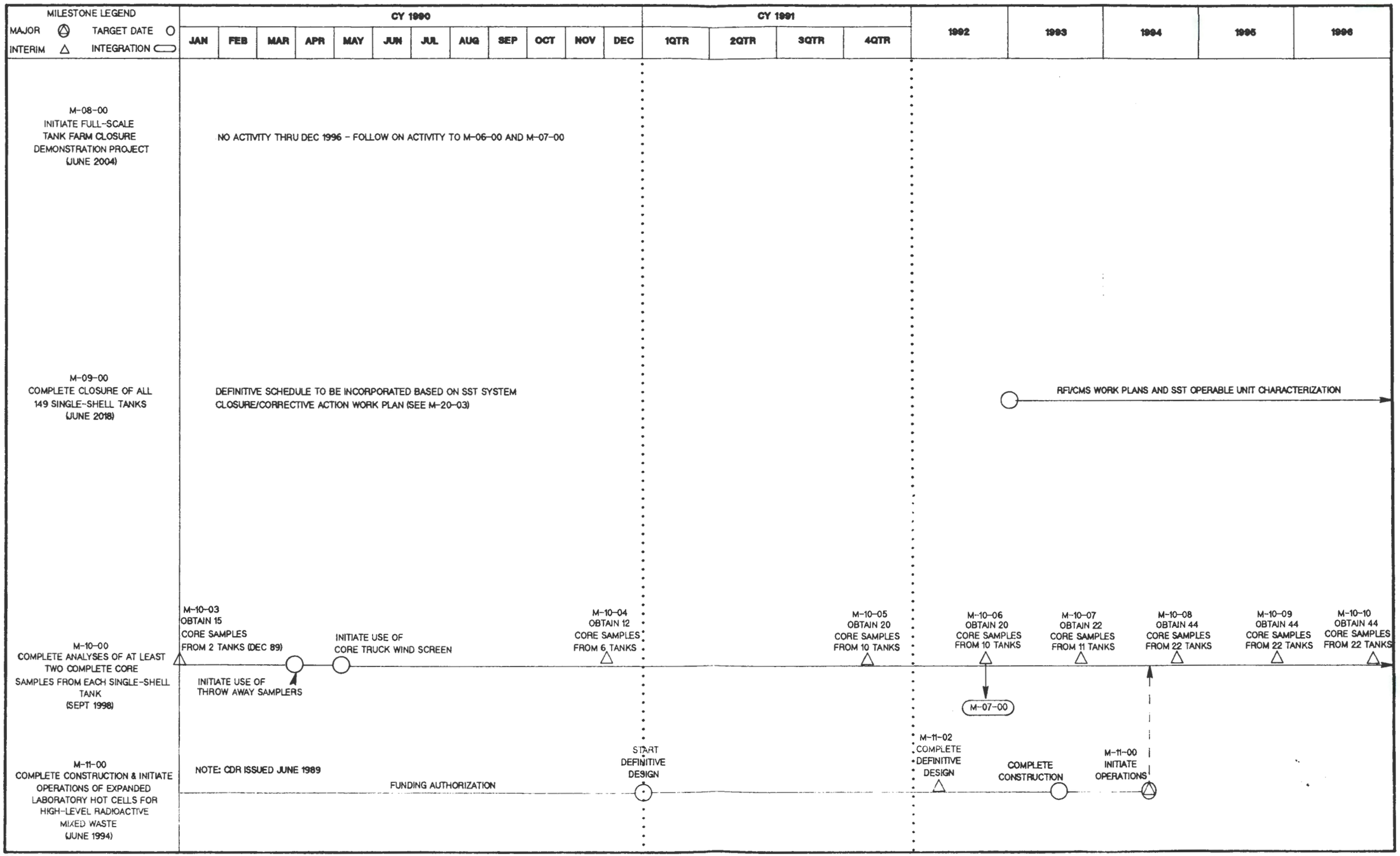

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FIGURE D-1 WORK SCHEDULE

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FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

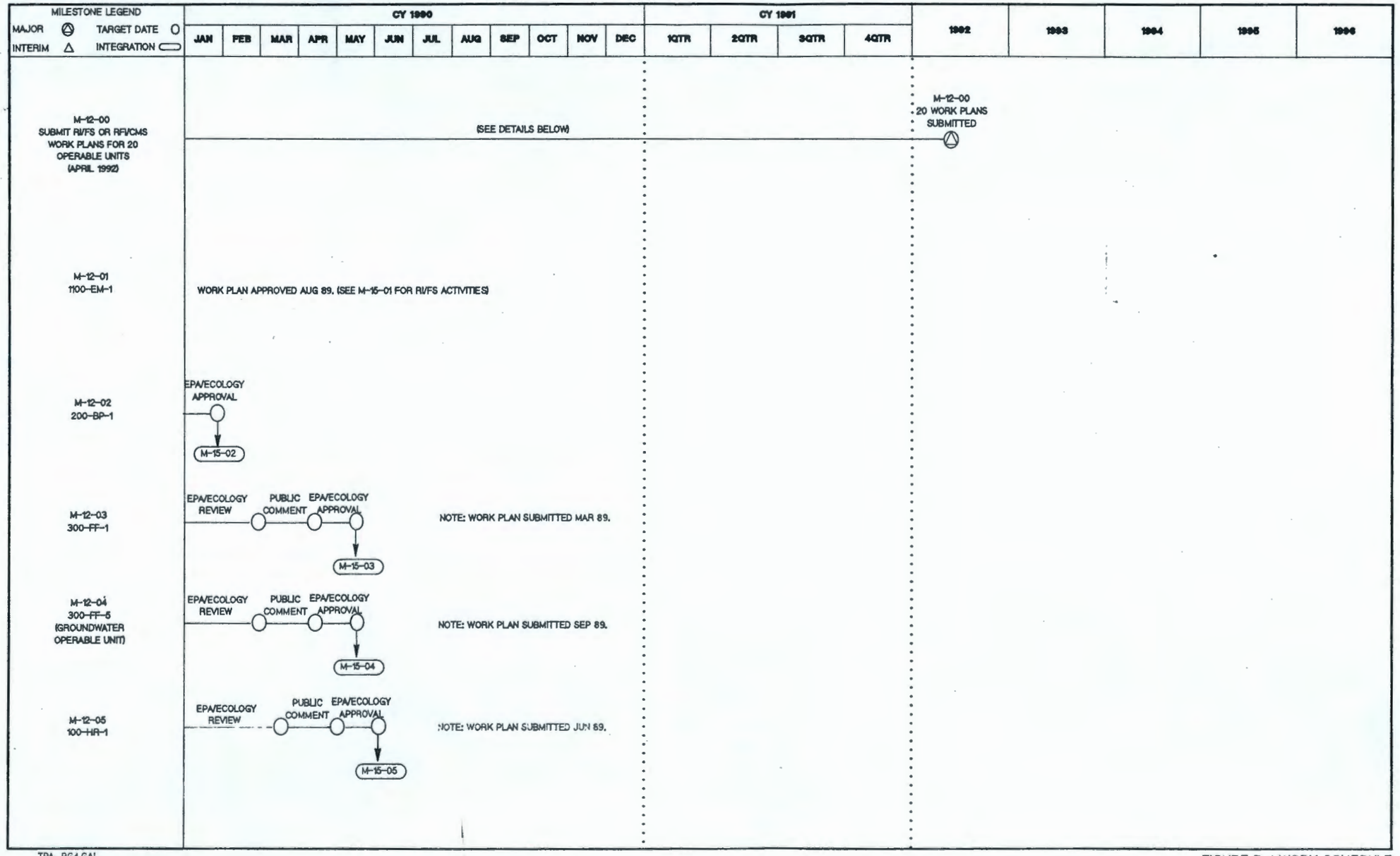

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

MILESTONE LEGEND
MAJOR ⏢ TARGET DATE O
INTERIM △ INTEGRATION ⬭

	CY 1990												CY 1991				1992	1993	1994	1995	1996
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1QTR	2QTR	3QTR	4QTR					

M-12-00
SUBMIT RI/FS OR RFI/CMS WORK PLANS FOR 20 OPERABLE UNITS (APRIL 1992)

(SEE DETAILS BELOW)

M-12-00
20 WORK PLANS SUBMITTED ⏢

M-12-01
1100-EM-1

WORK PLAN APPROVED AUG 89. (SEE M-15-01 FOR RI/FS ACTIVITIES)

M-12-02
200-BP-1

EPA/ECOLOGY APPROVAL ○ → M-15-02

M-12-03
300-FF-1

EPA/ECOLOGY REVIEW — PUBLIC COMMENT ○ — EPA/ECOLOGY APPROVAL ○ → M-15-03

NOTE: WORK PLAN SUBMITTED MAR 89.

M-12-04
300-FF-5
(GROUNDWATER OPERABLE UNIT)

EPA/ECOLOGY REVIEW — PUBLIC COMMENT ○ — EPA/ECOLOGY APPROVAL ○ → M-15-04

NOTE: WORK PLAN SUBMITTED SEP 89.

M-12-05
100-HR-1

EPA/ECOLOGY REVIEW — PUBLIC COMMENT ○ — EPA/ECOLOGY APPROVAL ○ → M-15-05

NOTE: WORK PLAN SUBMITTED JUN 89.

TPA_PG4.GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

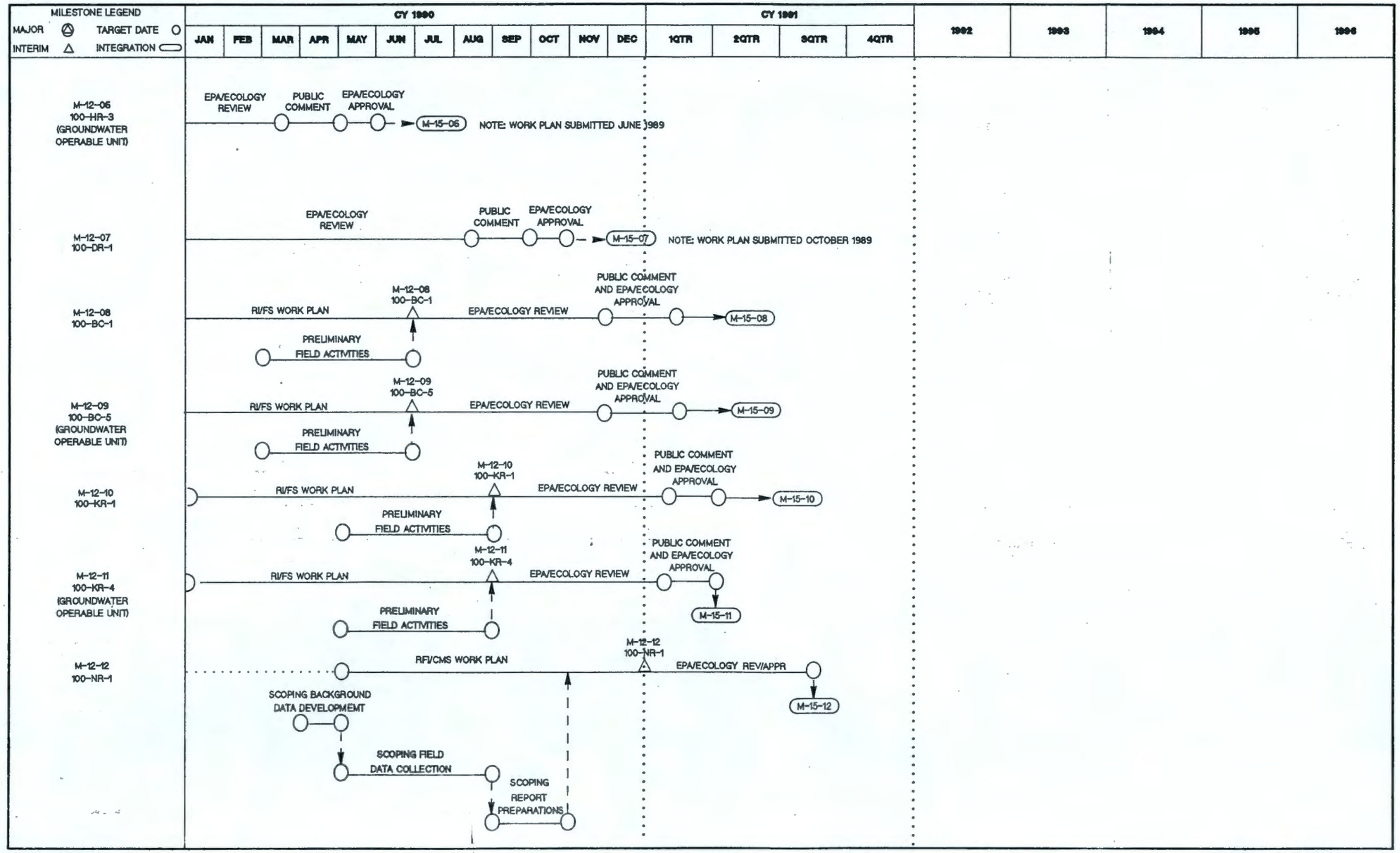

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

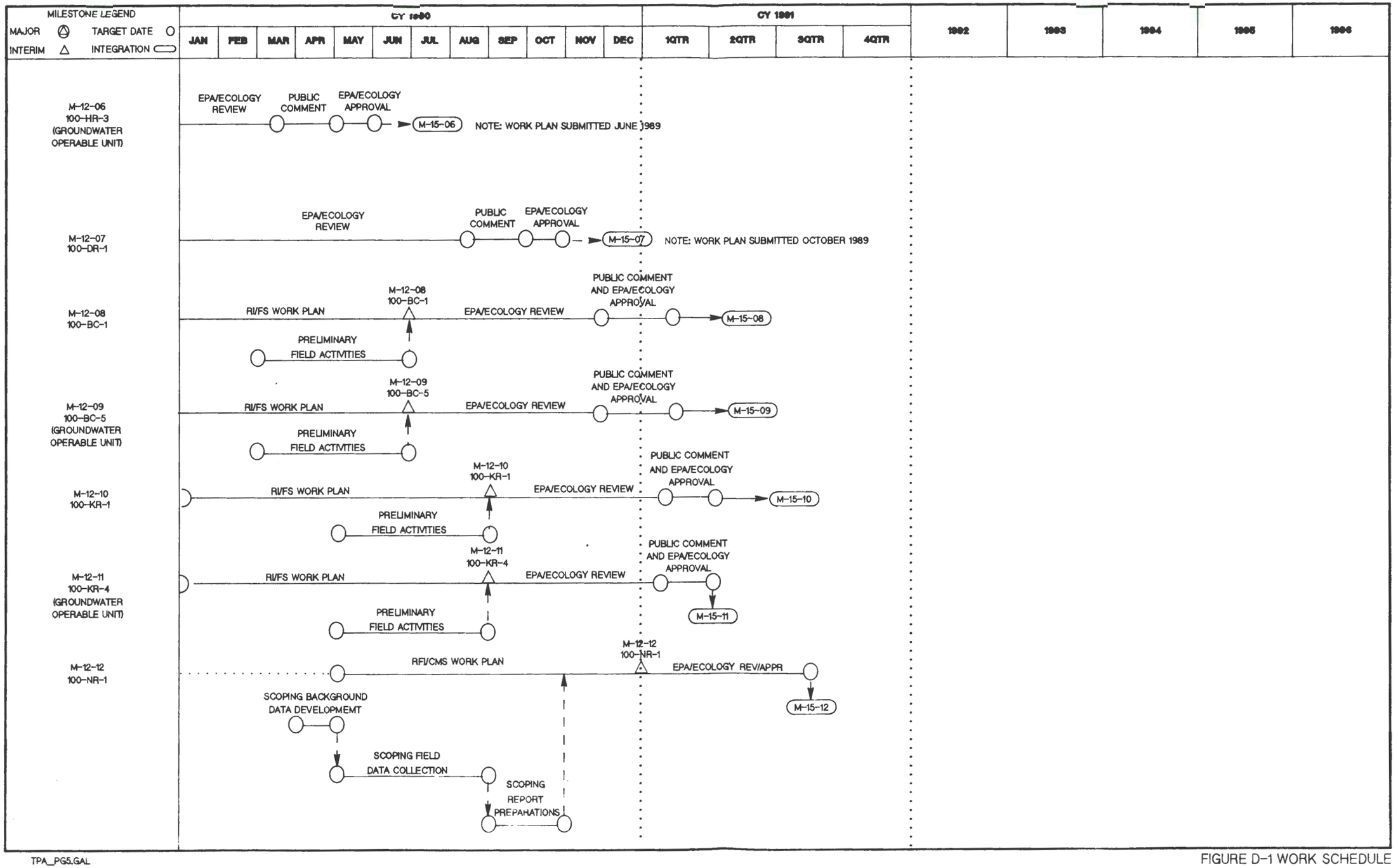

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

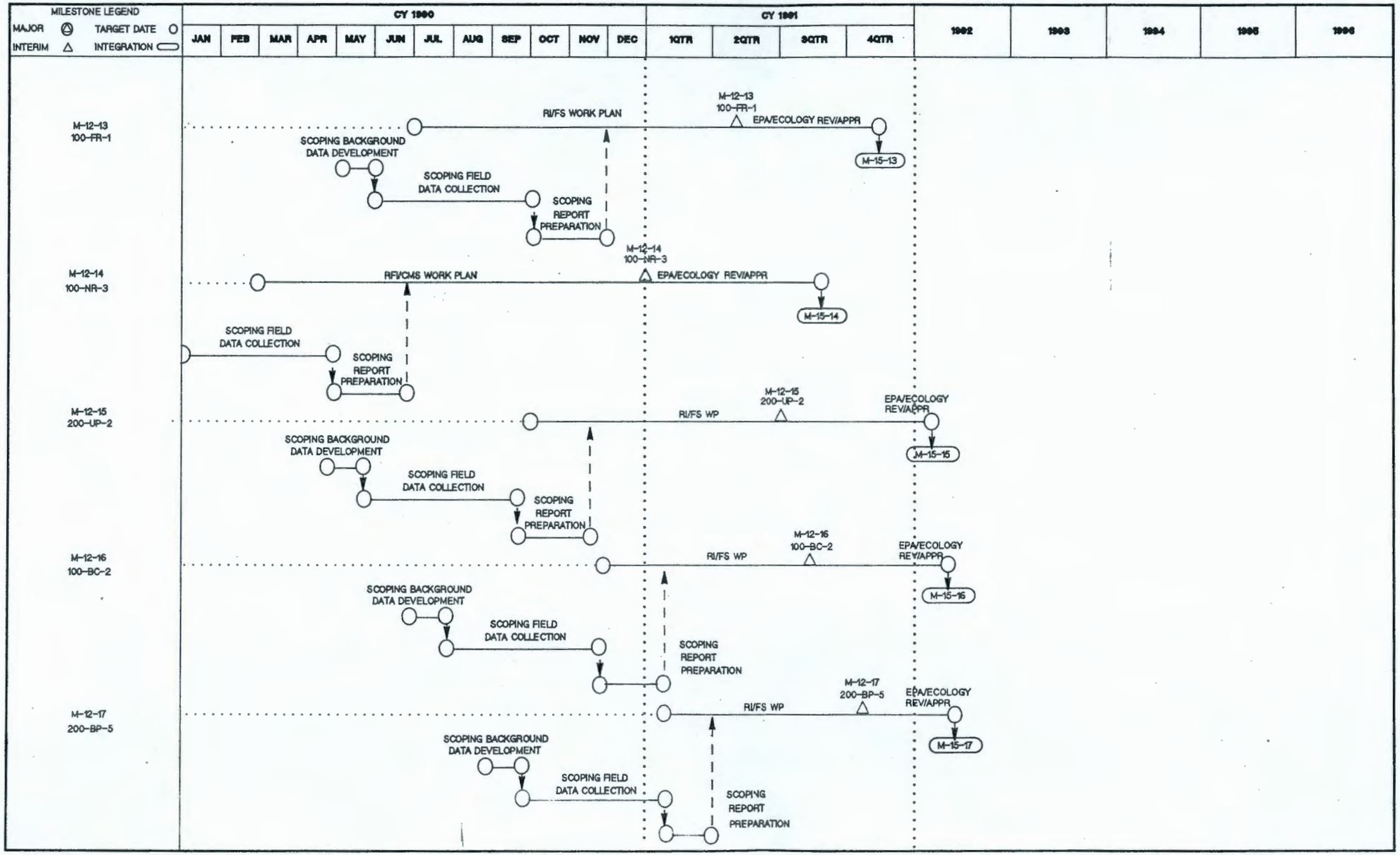

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

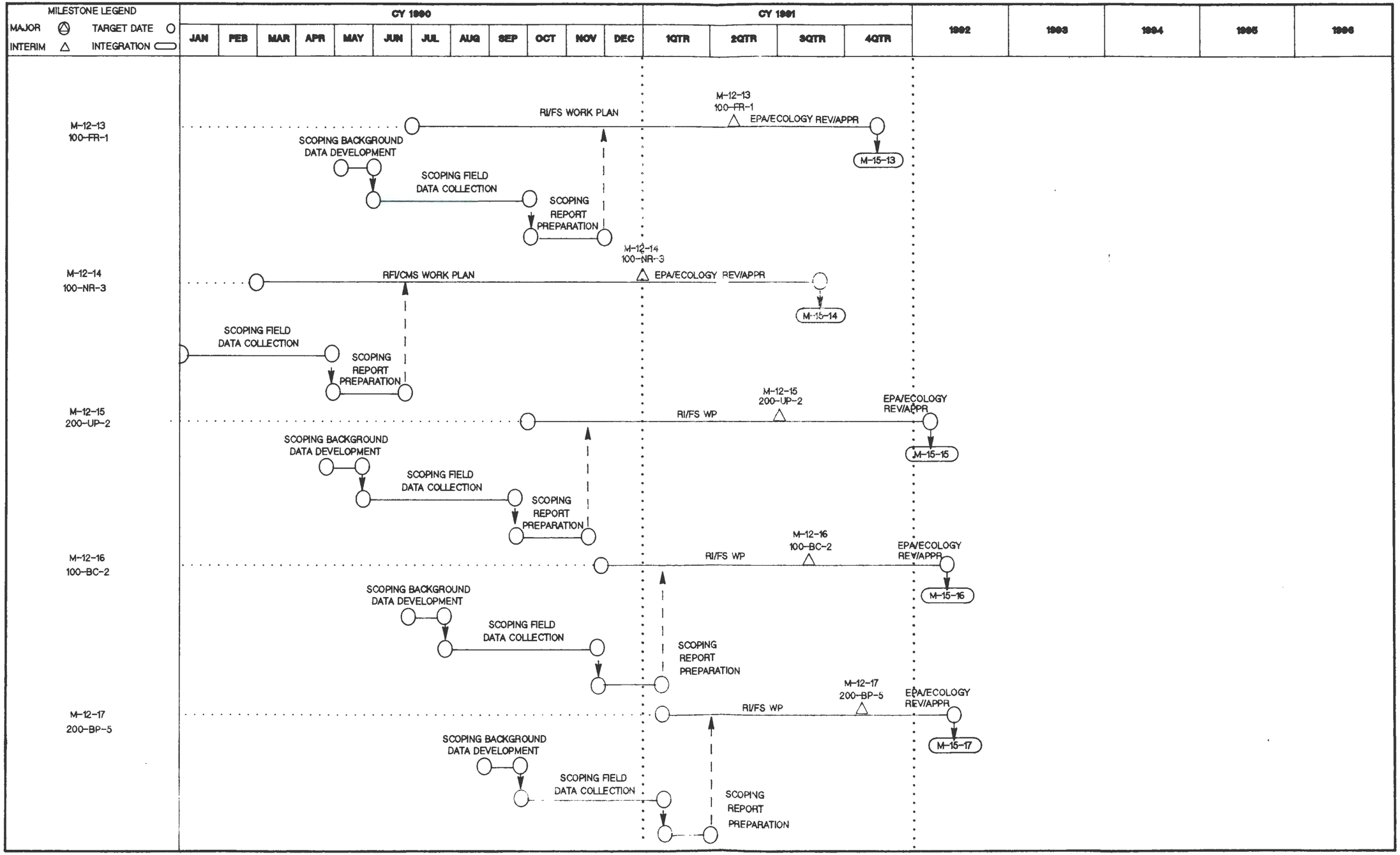

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

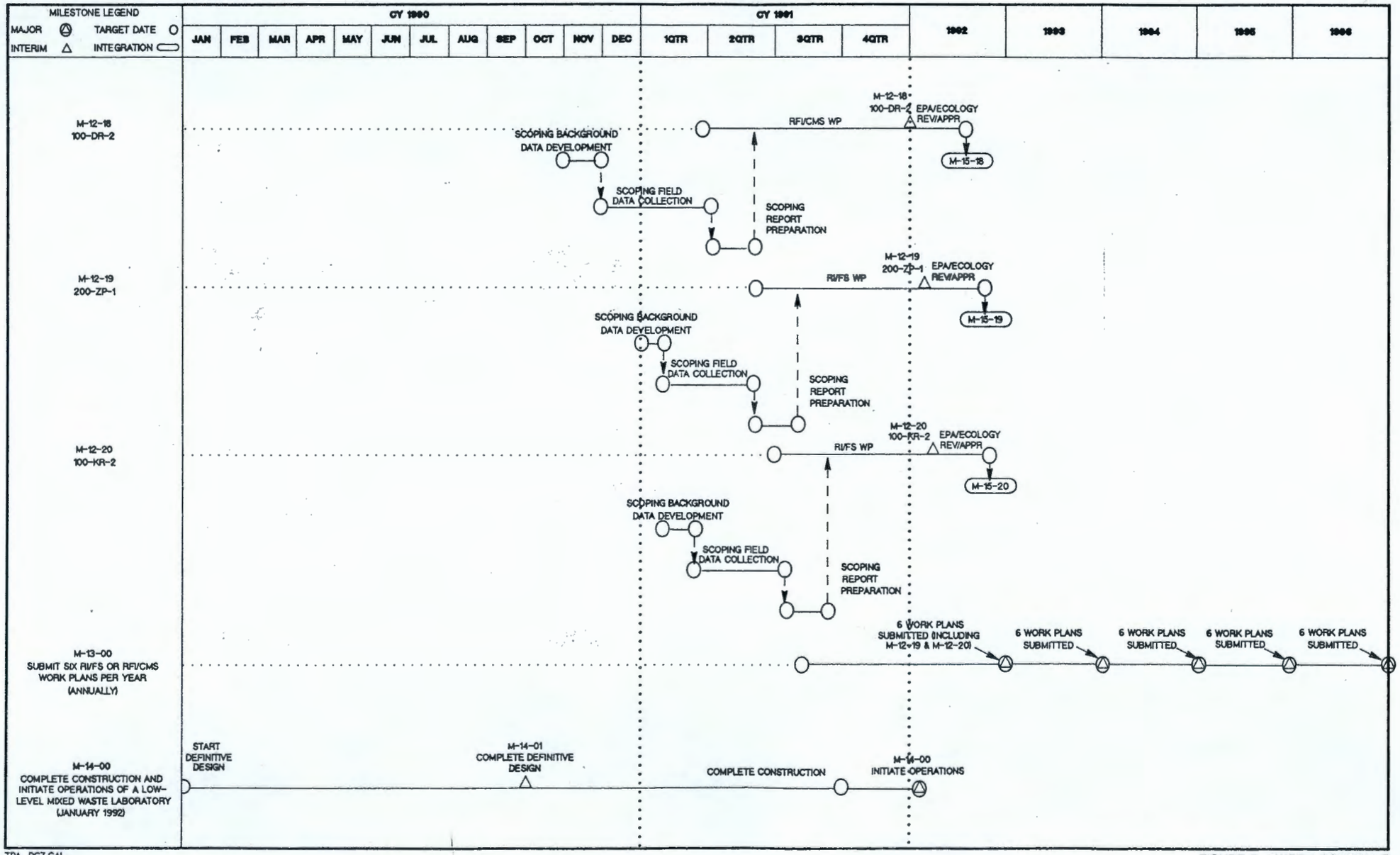

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

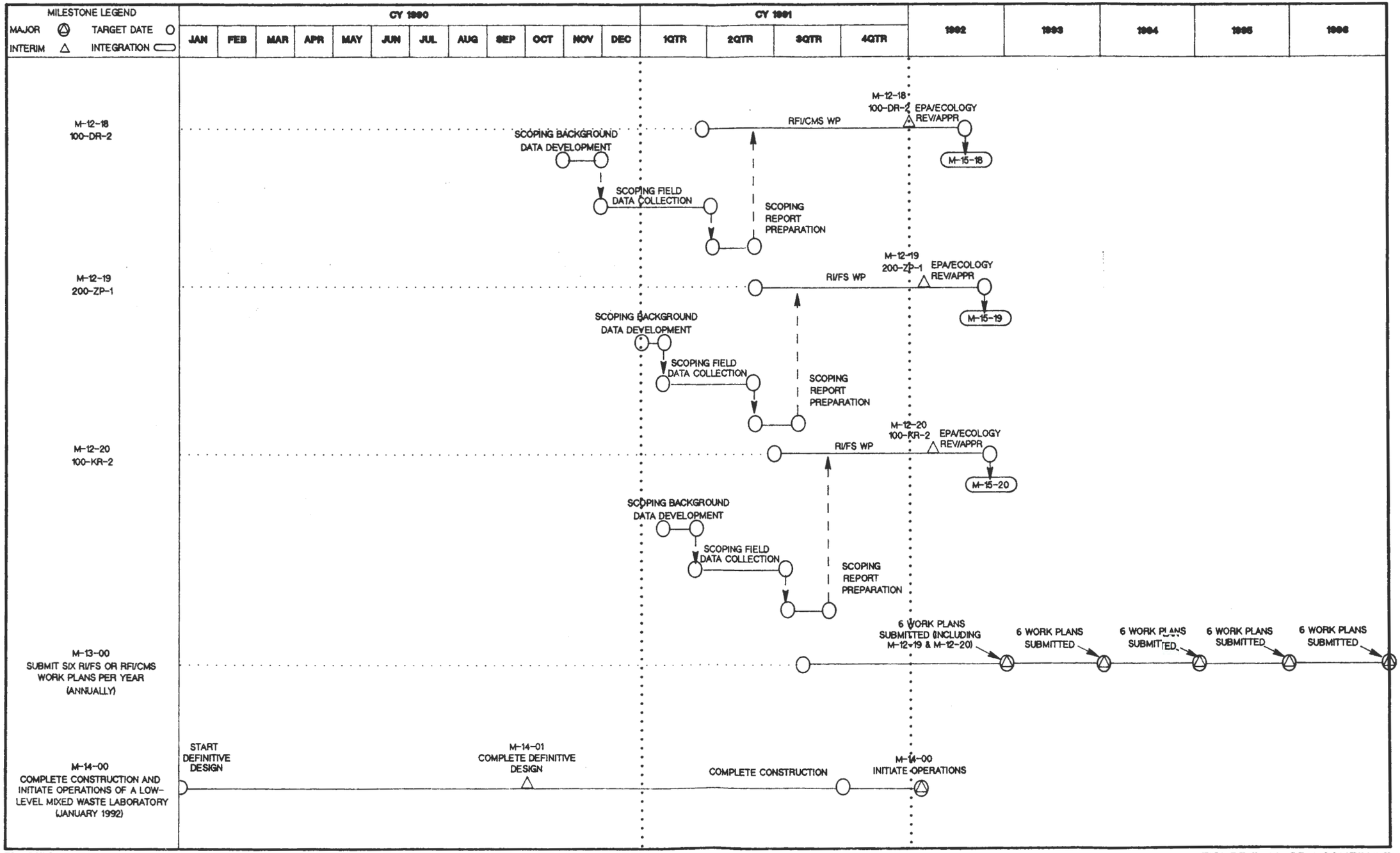

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FIGURE D-1 WORK SCHEDULE

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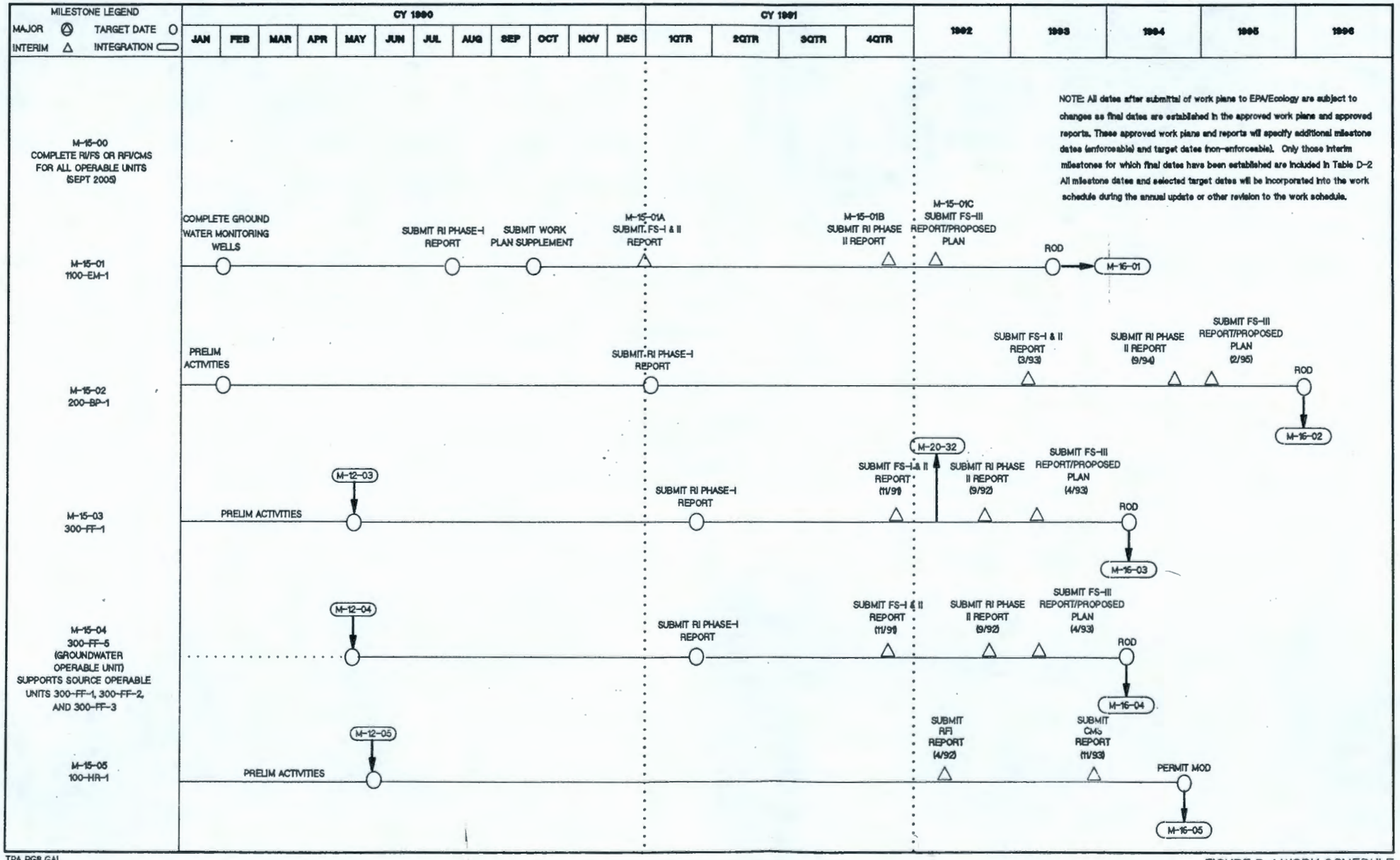
FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE



TPA PG8.GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

MILESTONE LEGEND
MAJOR ◇ TARGET DATE ○
INTERIM △ INTEGRATION ⬭

	CY 1990												CY 1991				1992	1993	1994	1995	1996
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1QTR	2QTR	3QTR	4QTR					

NOTE: All dates after submittal of work plans to EPA/Ecology are subject to changes as final dates are established in the approved work plans and approved reports. These approved work plans and reports will specify additional milestone dates (enforceable) and target dates (non-enforceable). Only those interim milestones for which final dates have been established are included in Table D-2 All milestone dates and selected target dates will be incorporated into the work schedule during the annual update or other revision to the work schedule.

M-15-00
COMPLETE RI/FS OR RFI/CMS FOR ALL OPERABLE UNITS (SEPT 2005)

M-15-01
1100-EM-1

- COMPLETE GROUND WATER MONITORING WELLS
- SUBMIT RI PHASE-I REPORT
- SUBMIT WORK PLAN SUPPLEMENT
- M-15-01A SUBMIT FS-I & II REPORT
- M-15-01B SUBMIT RI PHASE II REPORT
- M-15-01C SUBMIT FS-III REPORT/PROPOSED PLAN
- ROD → M-16-01

M-15-02
200-BP-1

- PRELIM ACTIVITIES
- SUBMIT RI PHASE-I REPORT
- SUBMIT FS-I & II REPORT (3/93)
- SUBMIT RI PHASE II REPORT (9/94)
- SUBMIT FS-III REPORT/PROPOSED PLAN (2/95)
- ROD → M-16-02

M-15-03
300-FF-1

- M-12-03
- PRELIM ACTIVITIES
- SUBMIT RI PHASE-I REPORT
- M-20-32
- SUBMIT FS-I & II REPORT (11/91)
- SUBMIT RI PHASE II REPORT (9/92)
- SUBMIT FS-III REPORT/PROPOSED PLAN (4/93)
- ROD → M-16-03

M-15-04
300-FF-5
(GROUNDWATER OPERABLE UNIT)
SUPPORTS SOURCE OPERABLE UNITS 300-FF-1, 300-FF-2, AND 300-FF-3

- M-12-04
- SUBMIT RI PHASE-I REPORT
- SUBMIT FS-I & II REPORT (11/91)
- SUBMIT RI PHASE II REPORT (9/92)
- SUBMIT FS-III REPORT/PROPOSED PLAN (4/93)
- ROD → M-16-04

M-15-05
100-HR-1

- M-12-05
- PRELIM ACTIVITIES
- SUBMIT RFI REPORT (4/92)
- SUBMIT CMS REPORT (11/93)
- PERMIT MOD → M-16-05

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FIGURE D-1 WORK SCHEDULE

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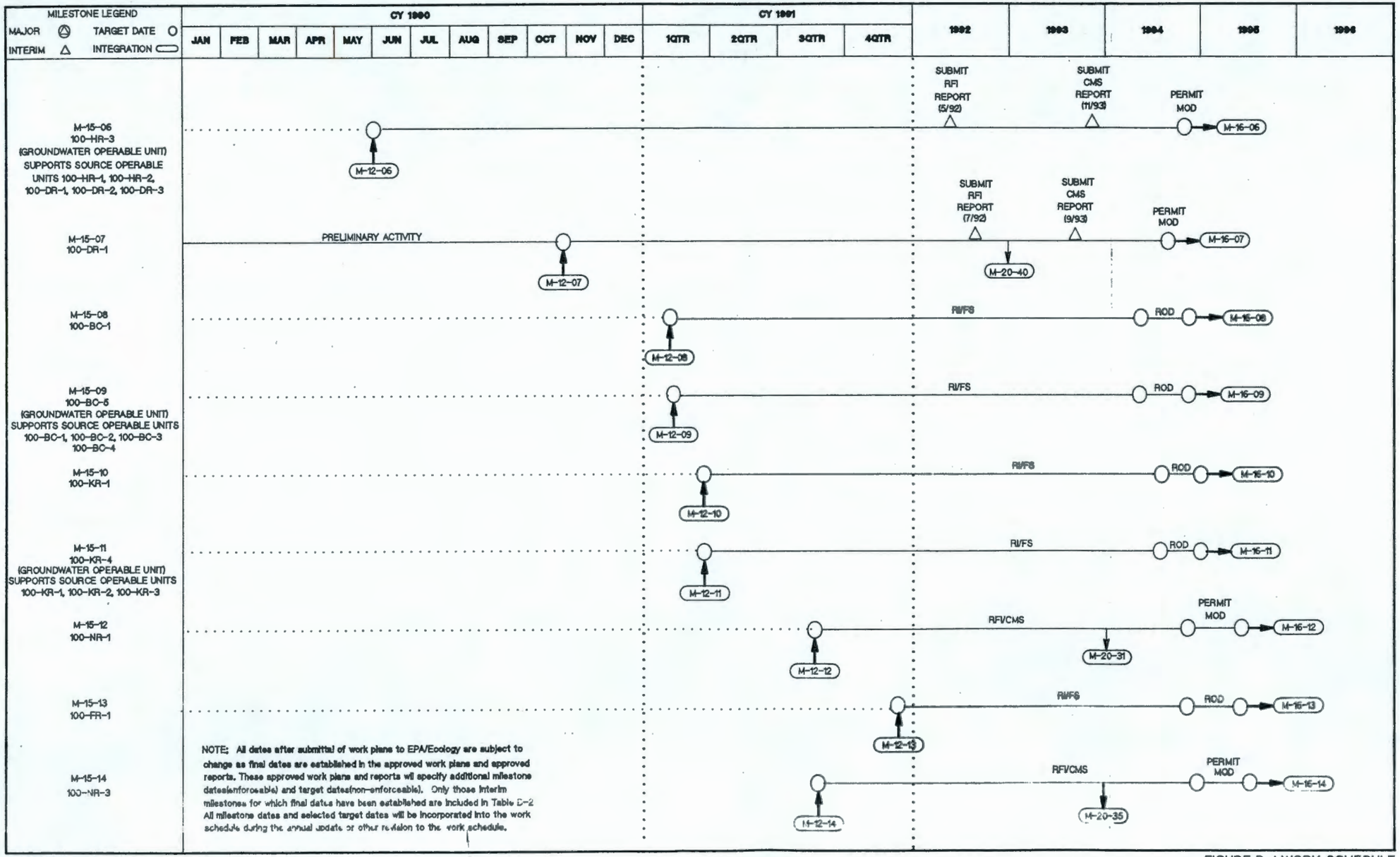
FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

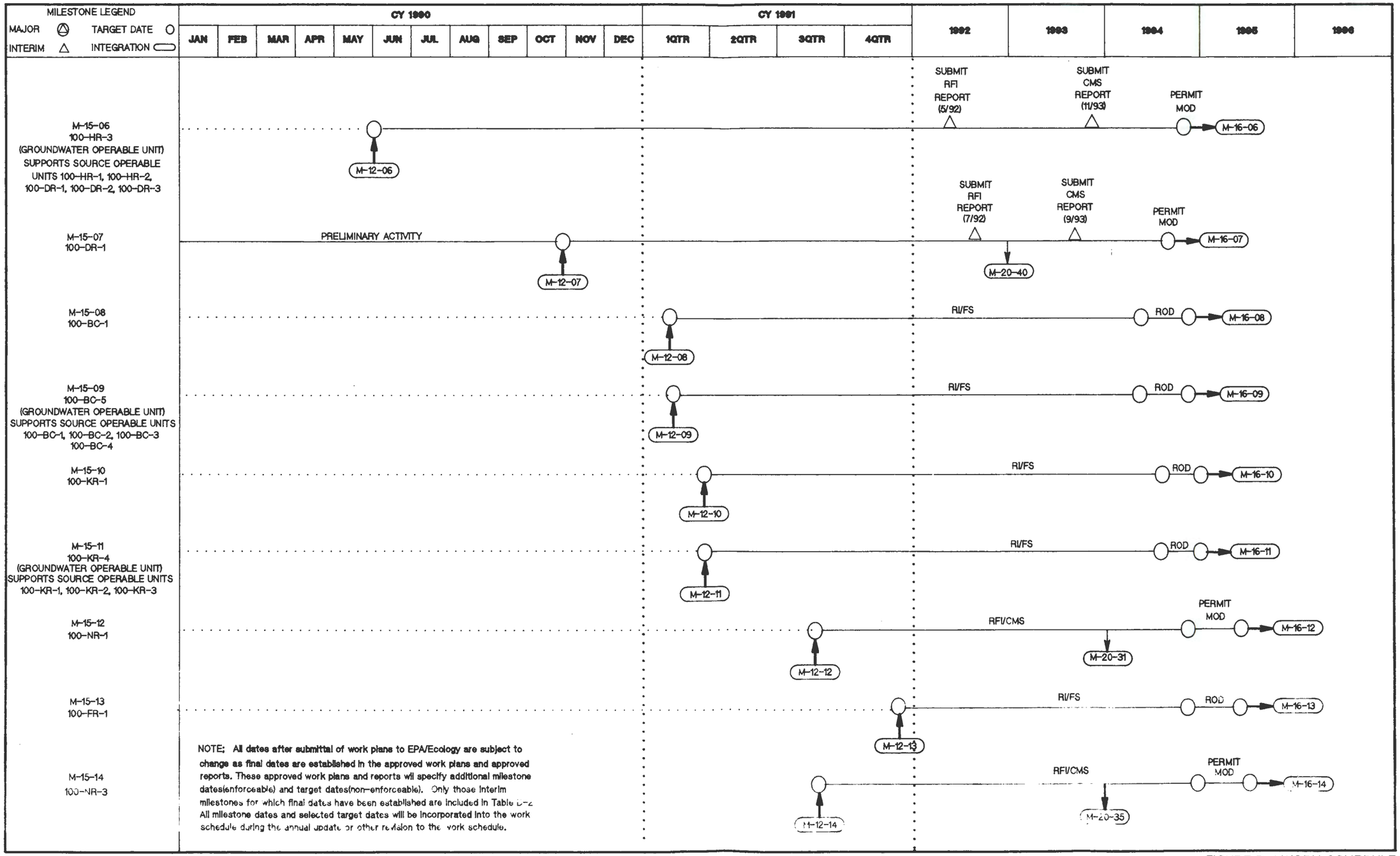


TPA PG9 .GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

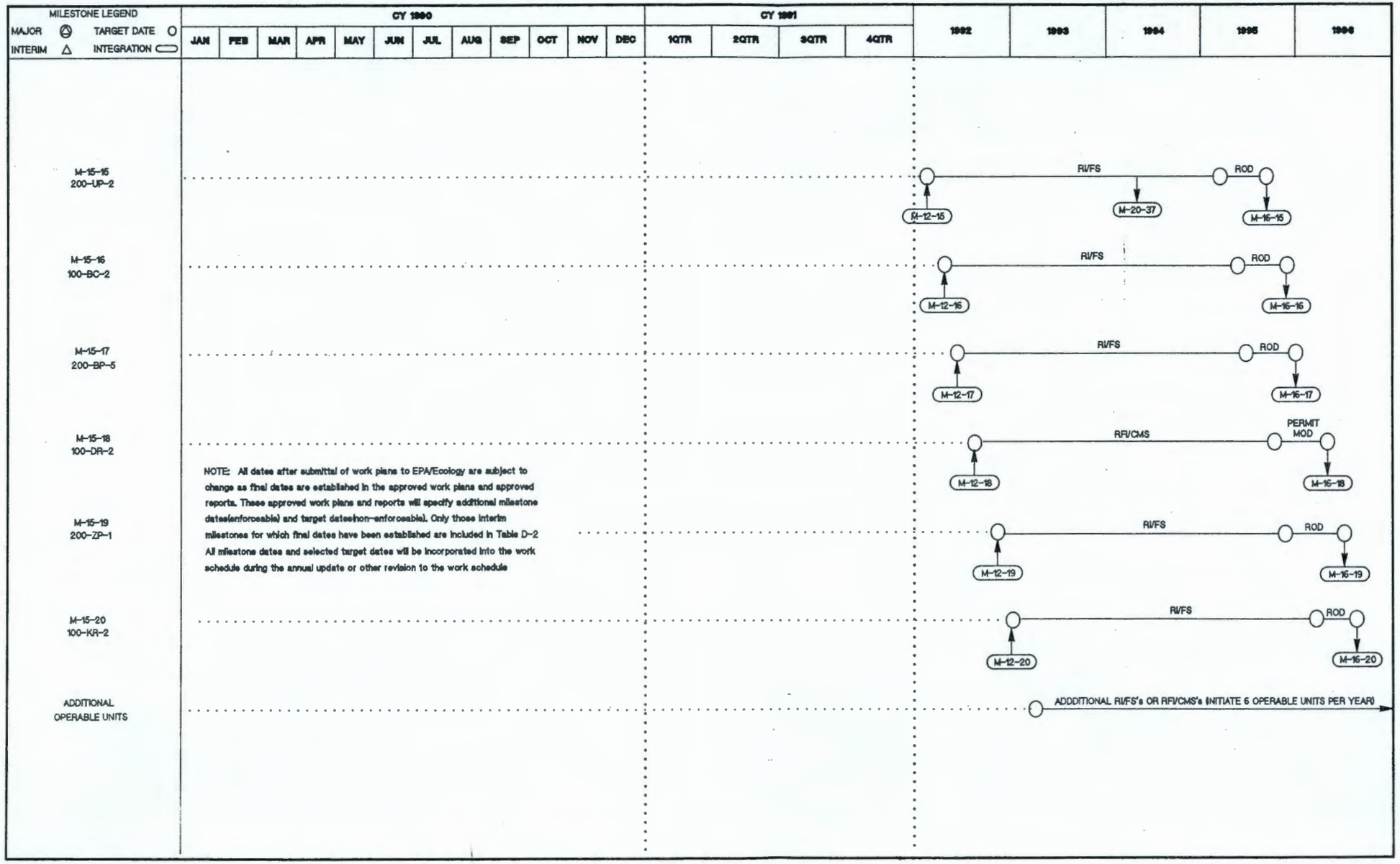


TPA PG9 .GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

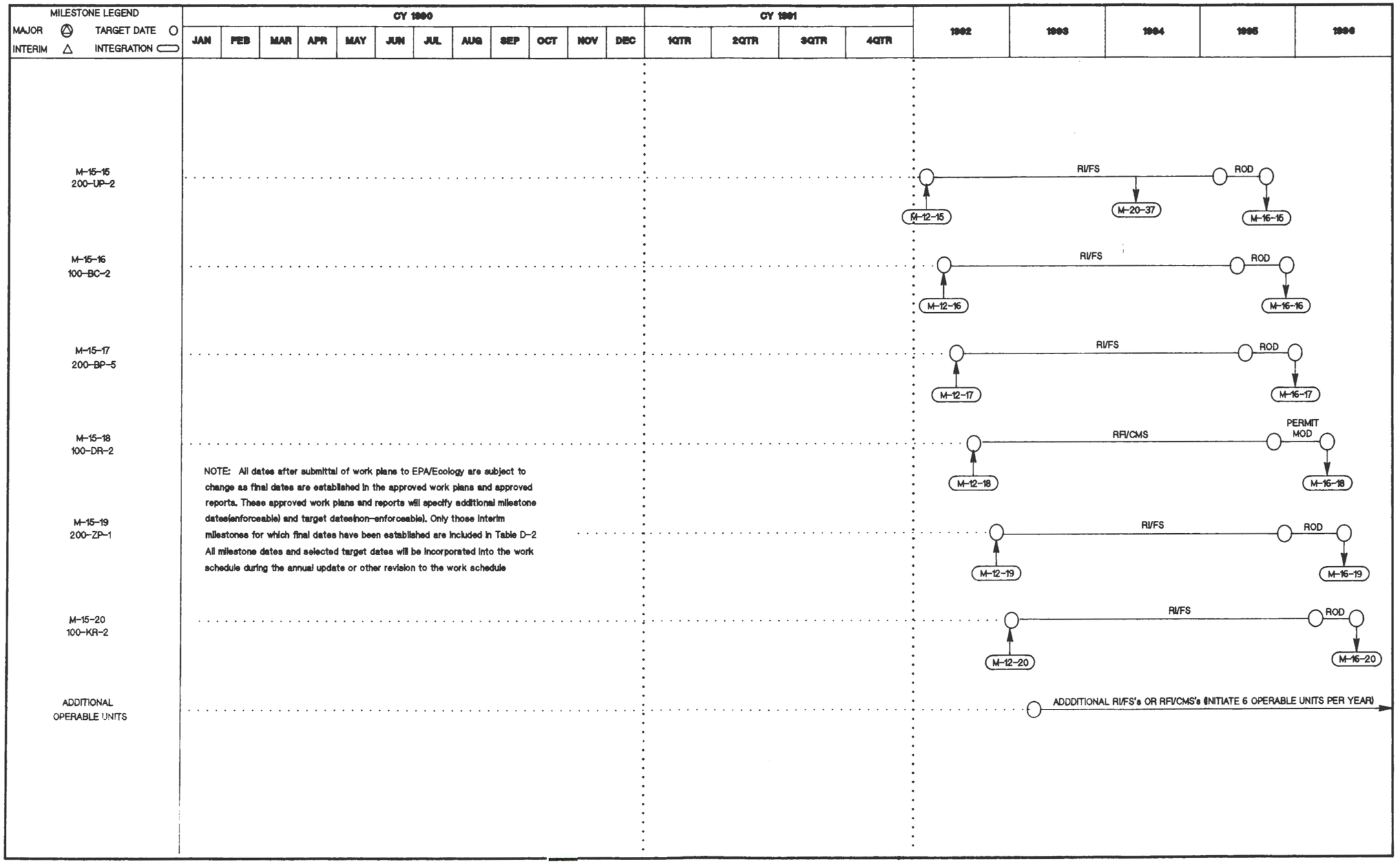


TPA PG10.GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE



TPA PG10.GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

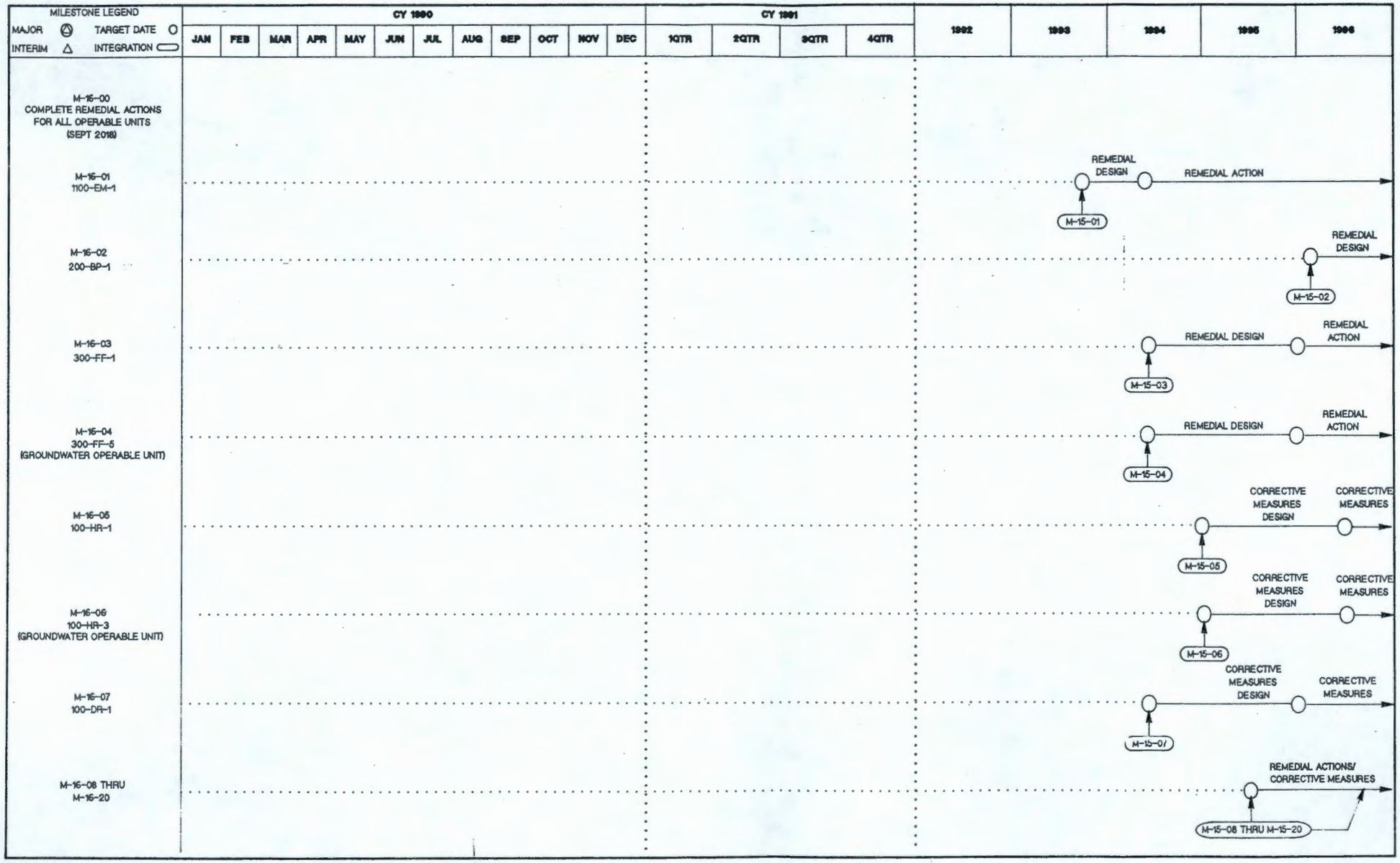


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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

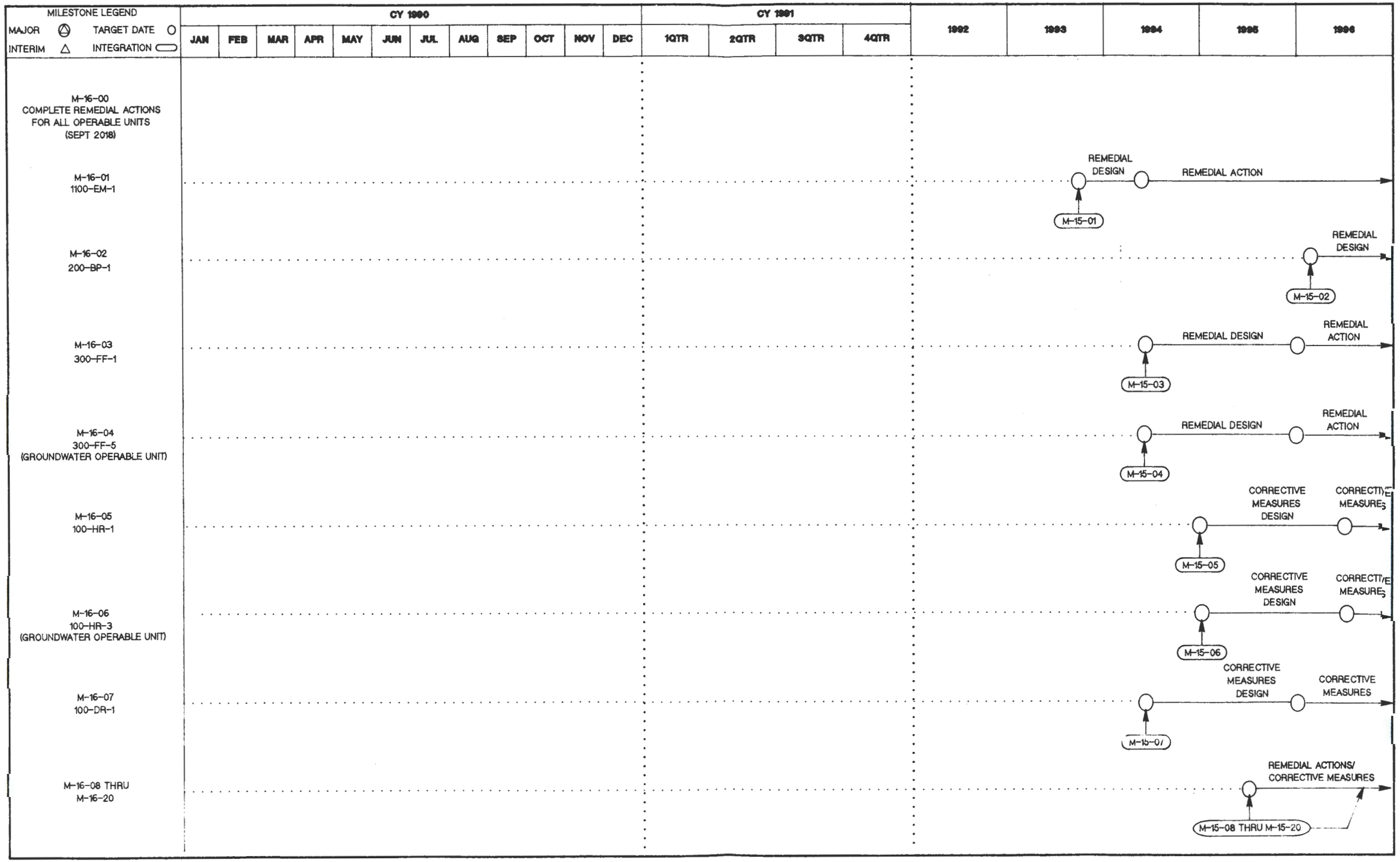

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FIGURE D-1 WORK SCHEDULE

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FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

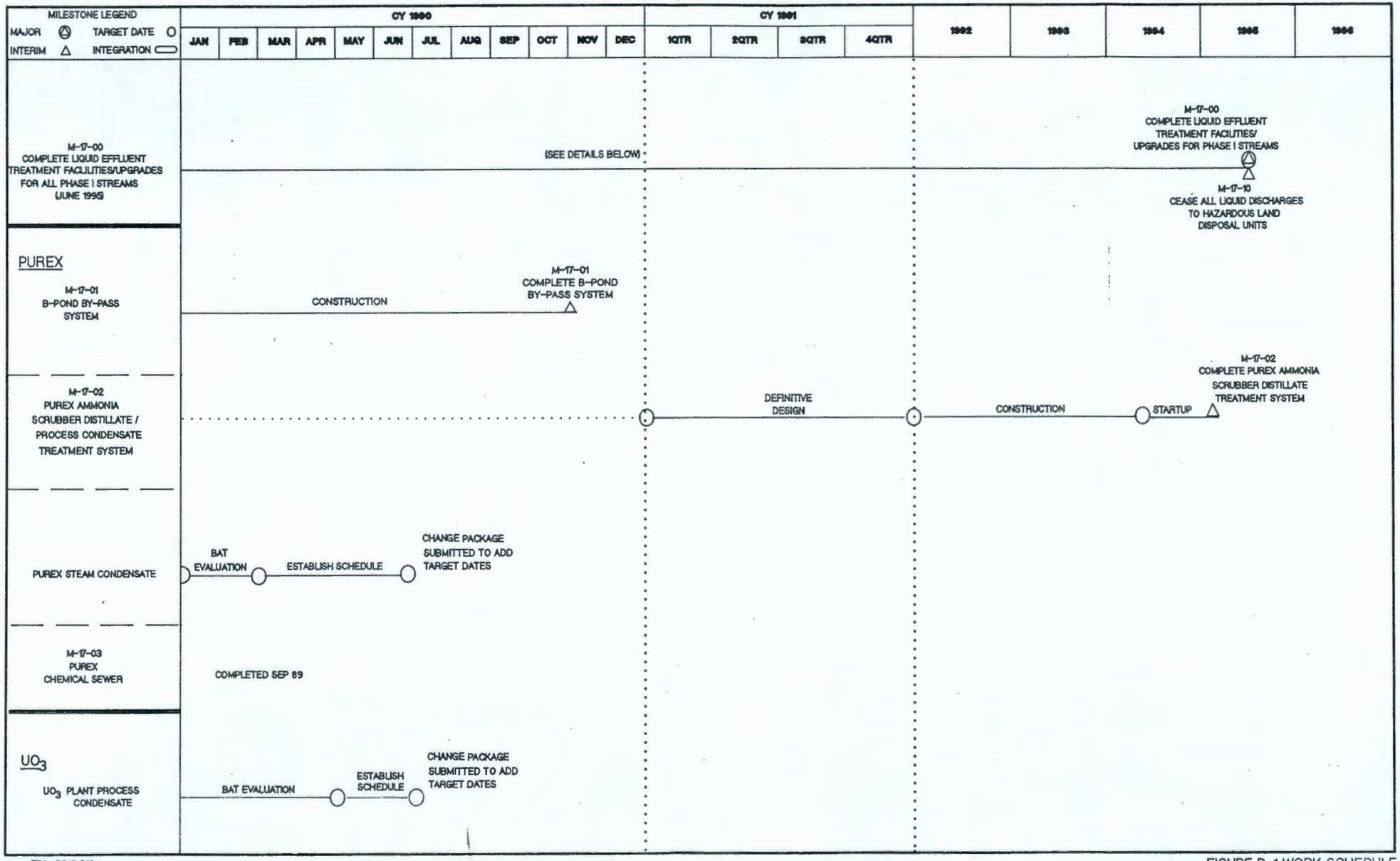

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

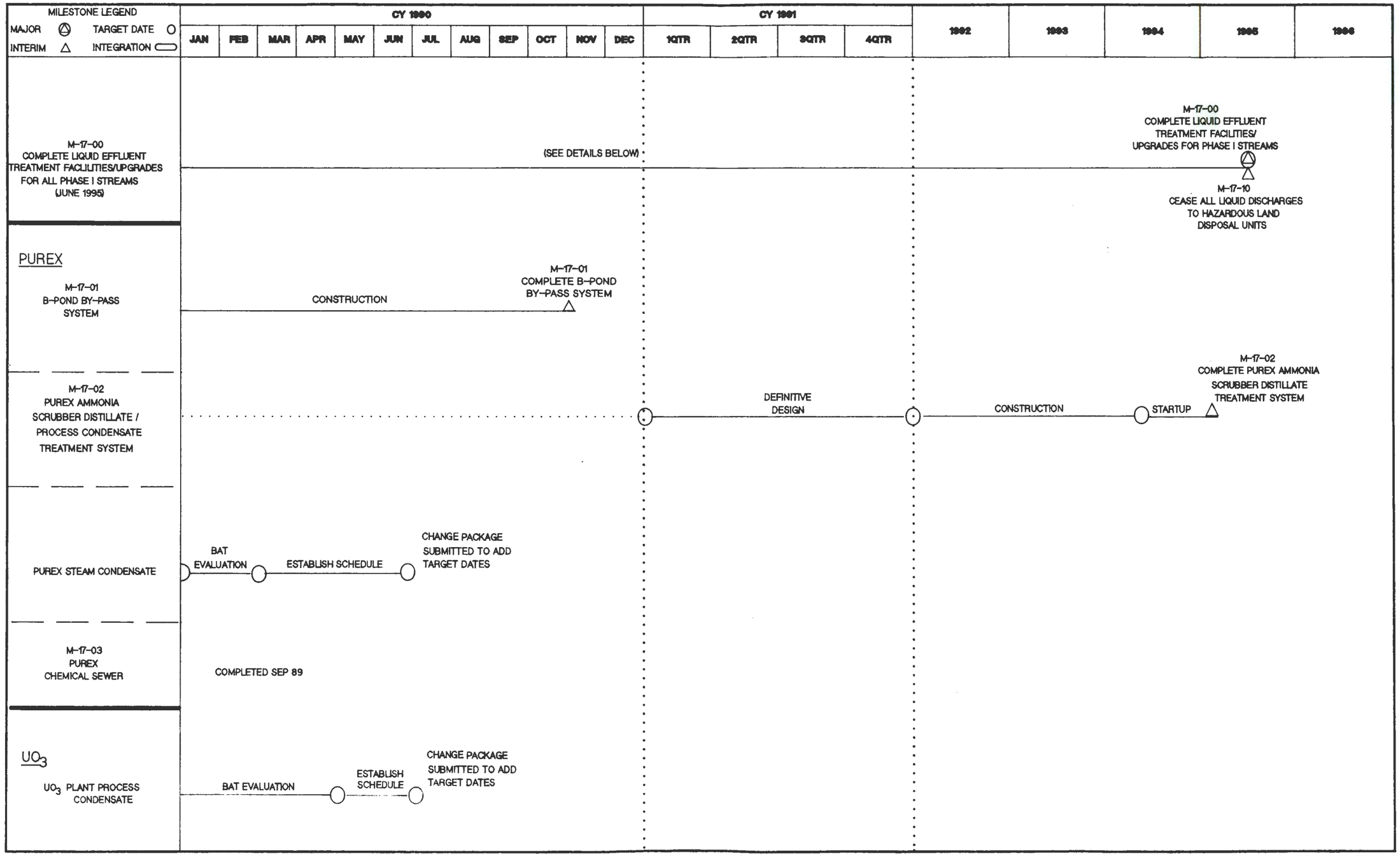

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

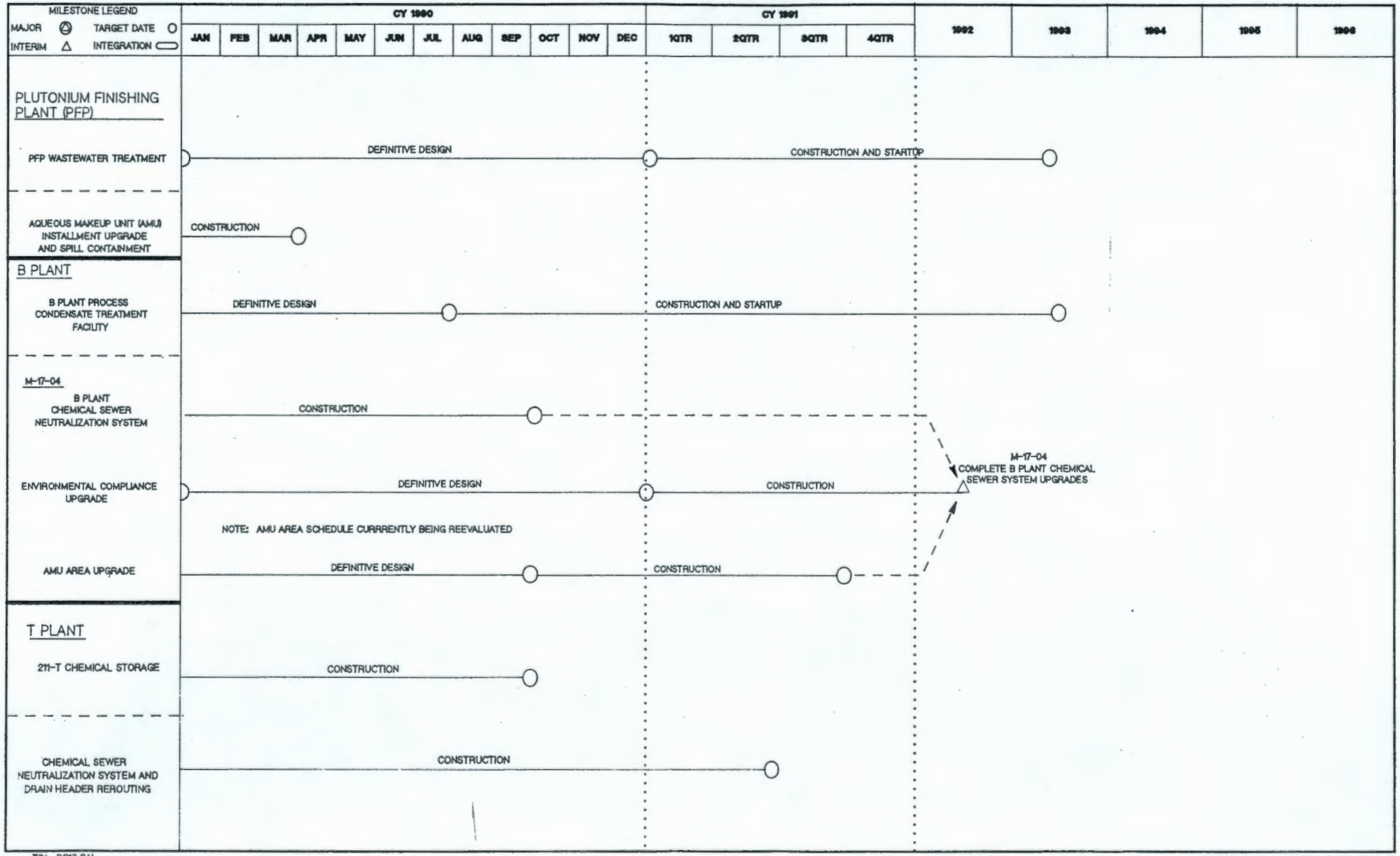

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

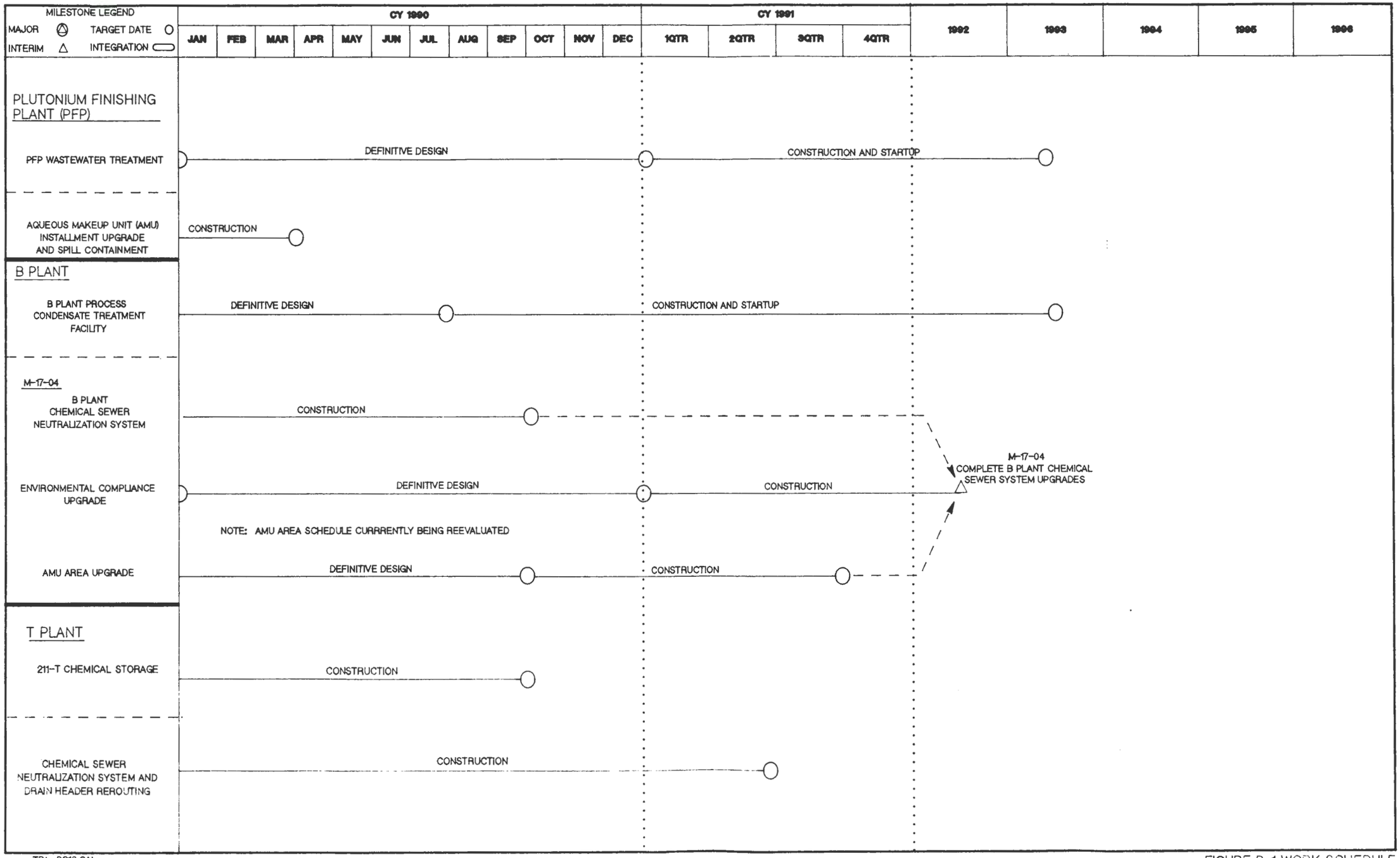

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

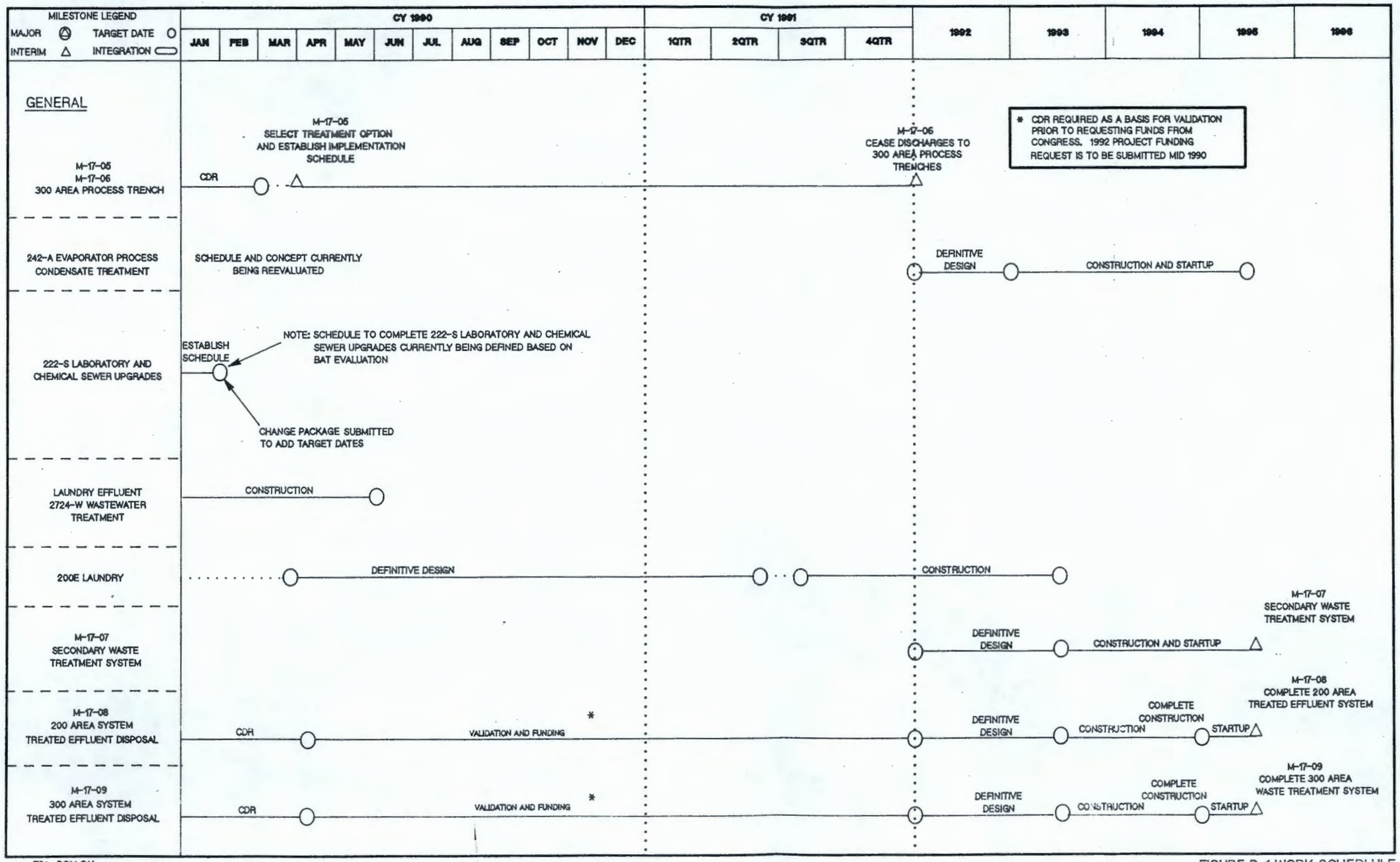

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FIGURE D-1 WORK SCHEDLULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

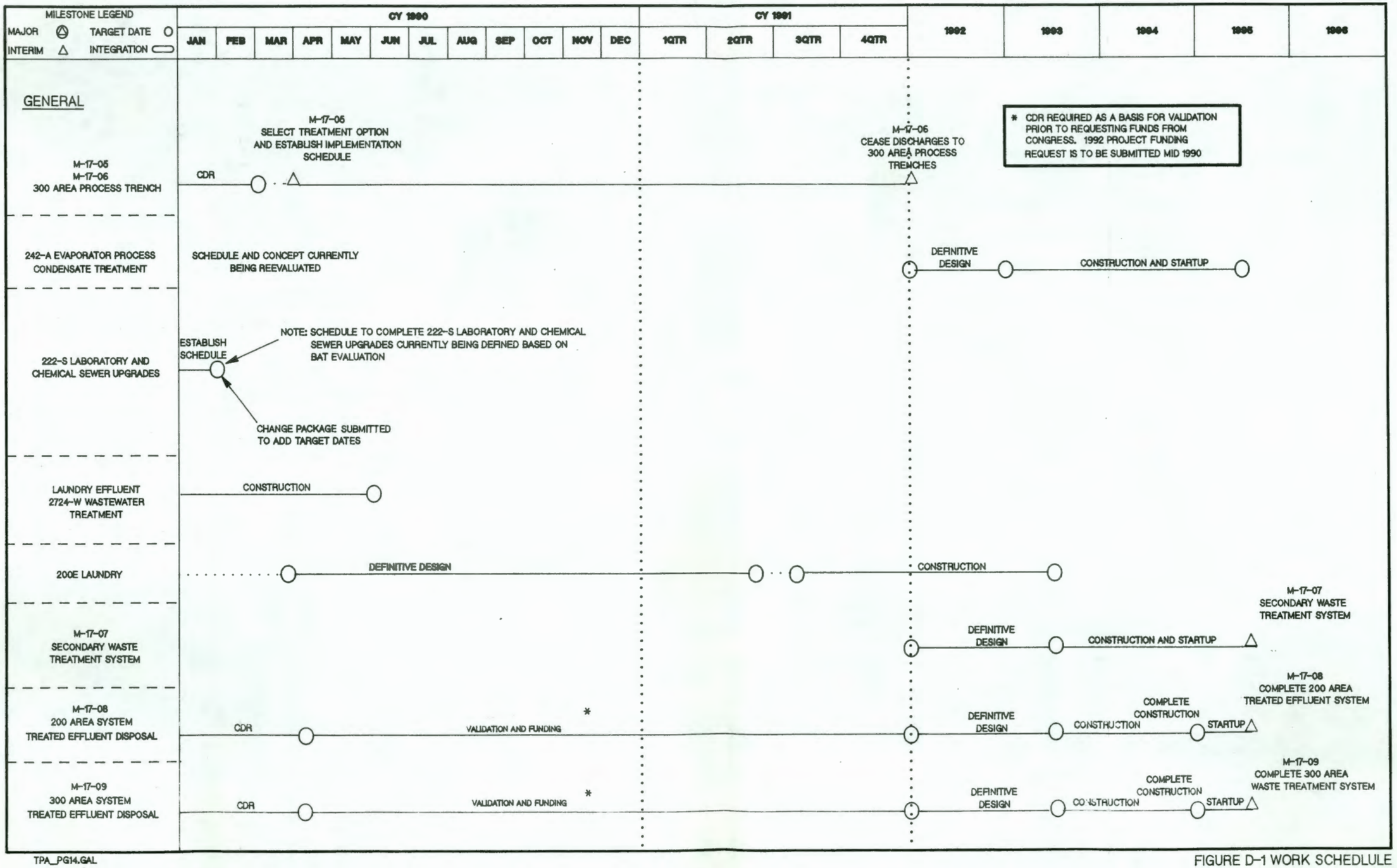

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FIGURE D-1 WORK SCHEDLULE

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FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

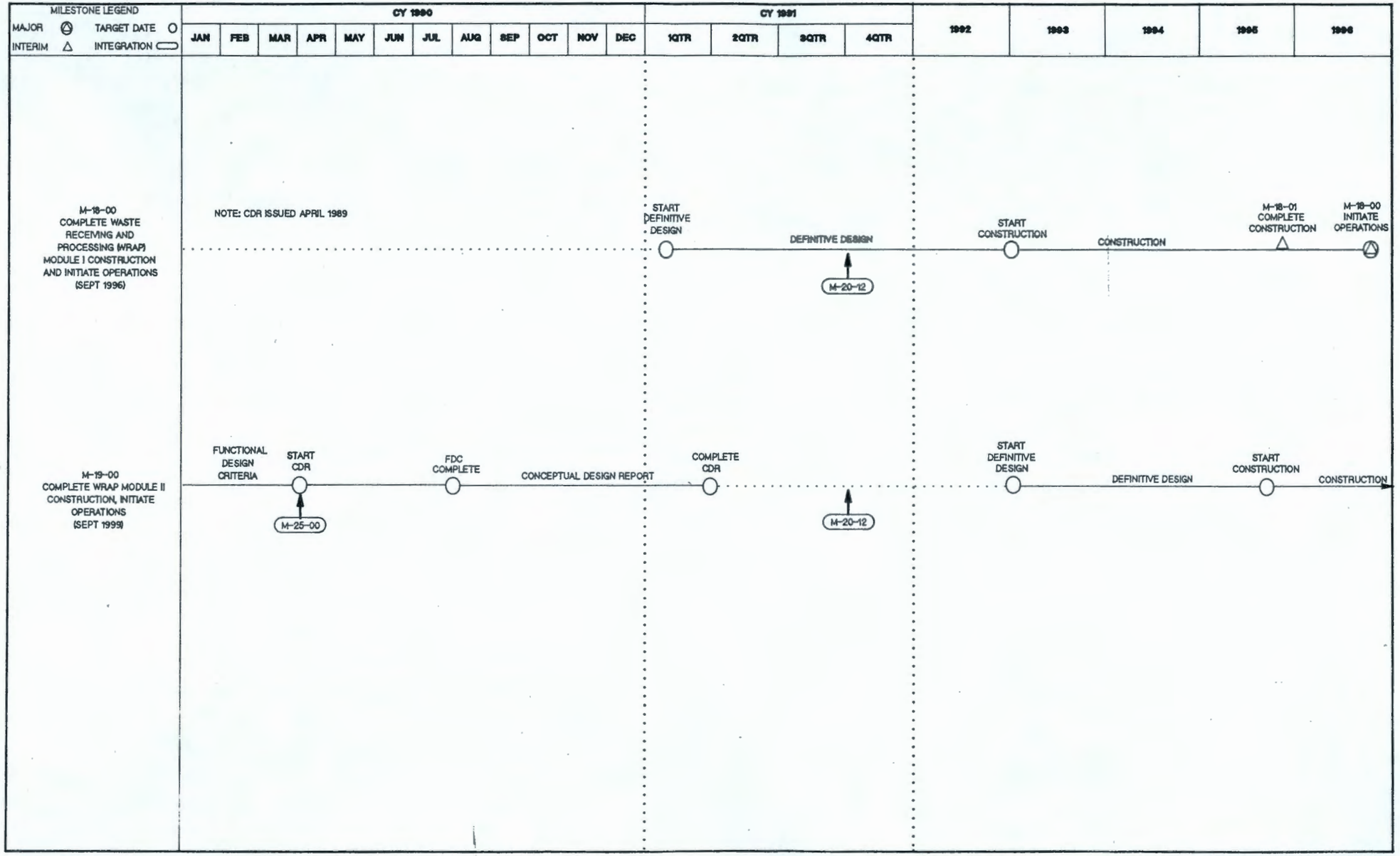

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

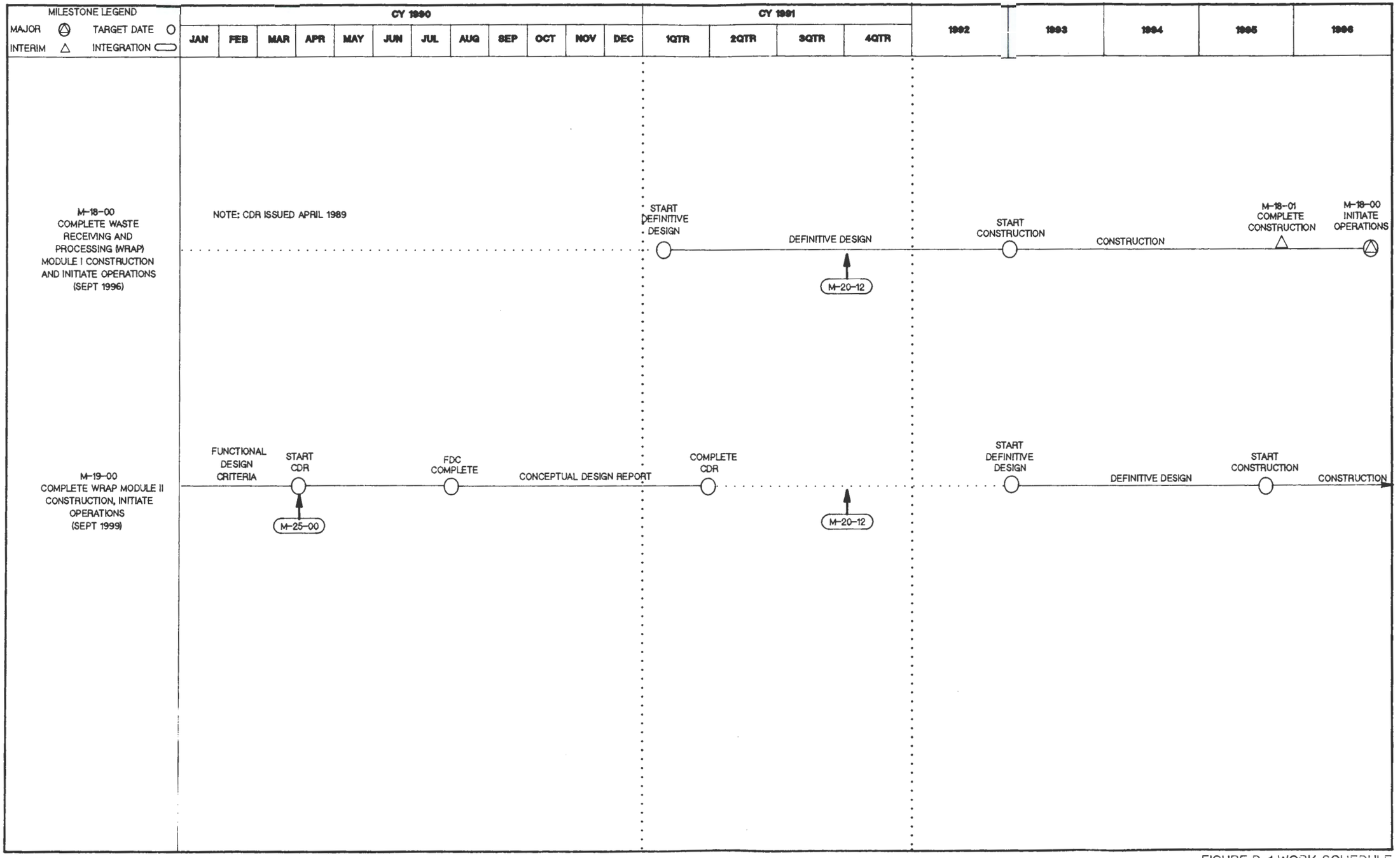

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

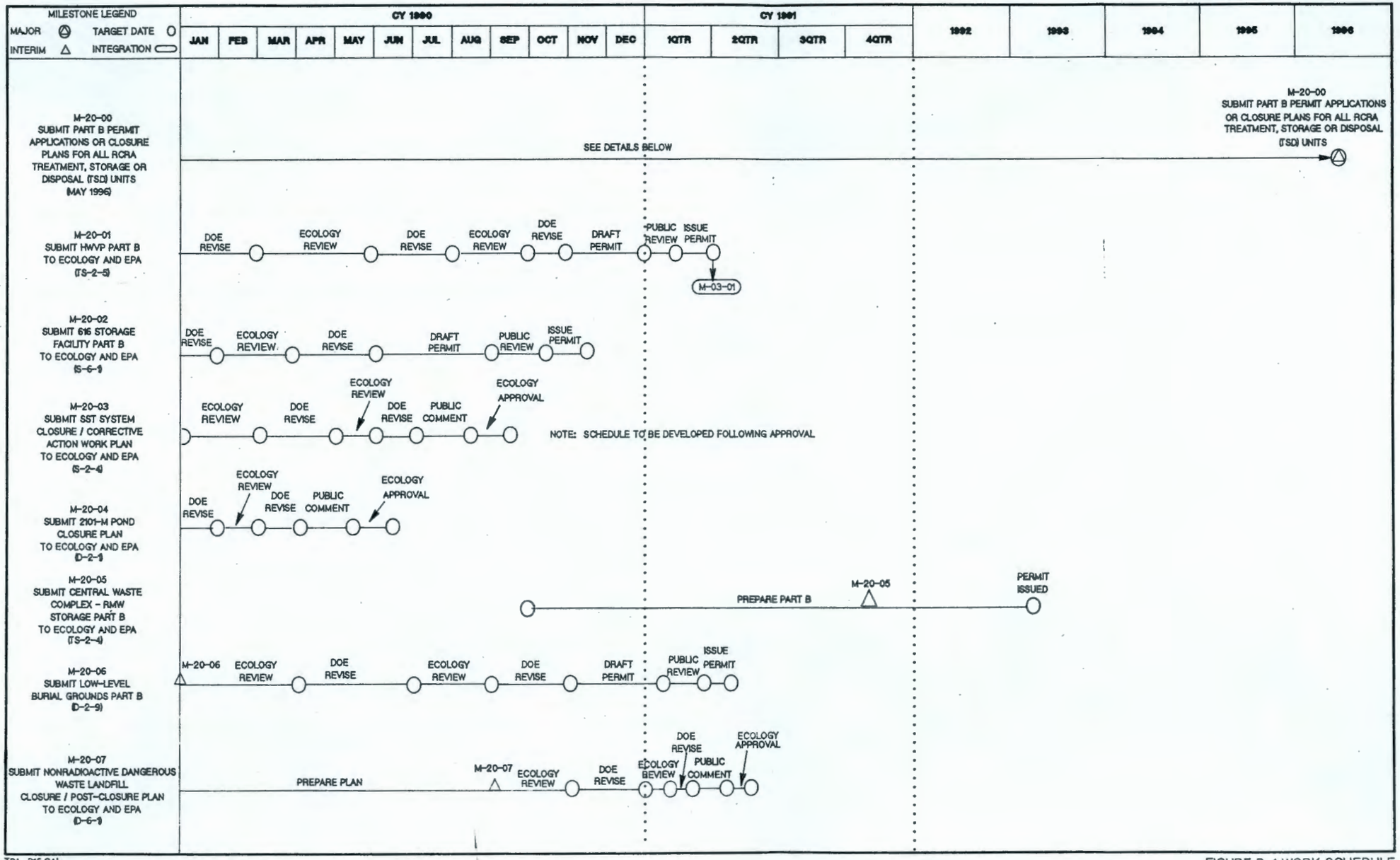

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

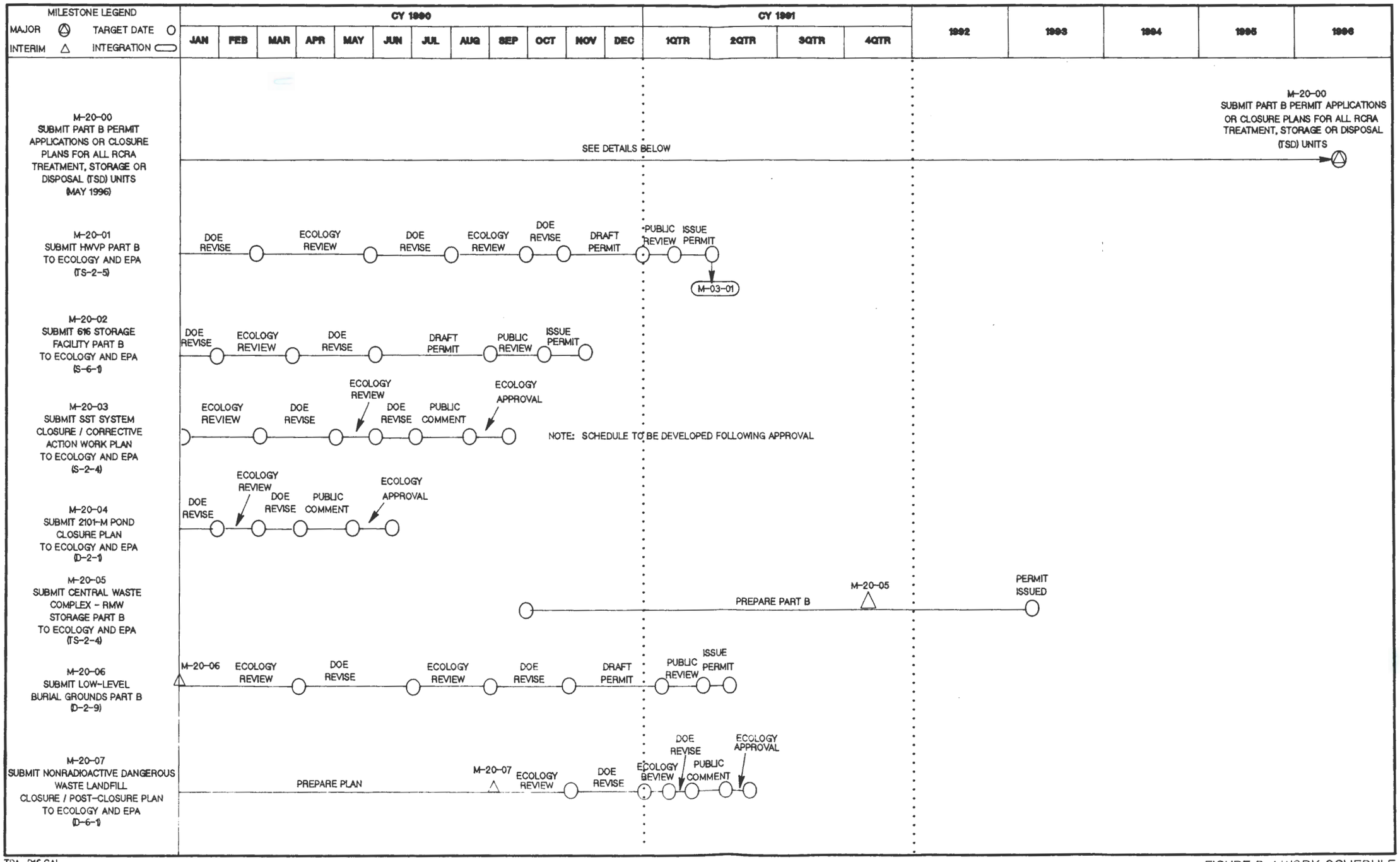

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

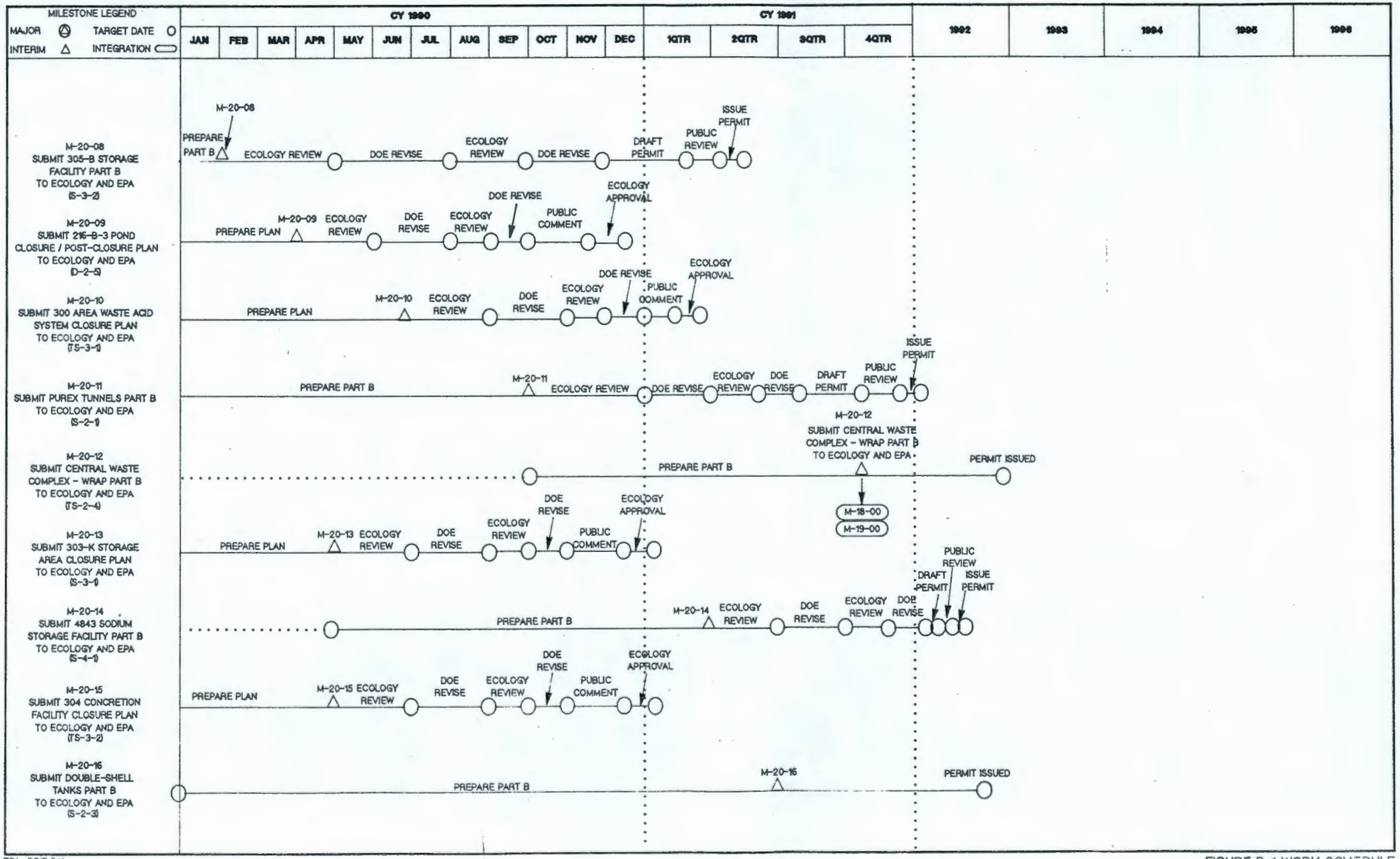

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

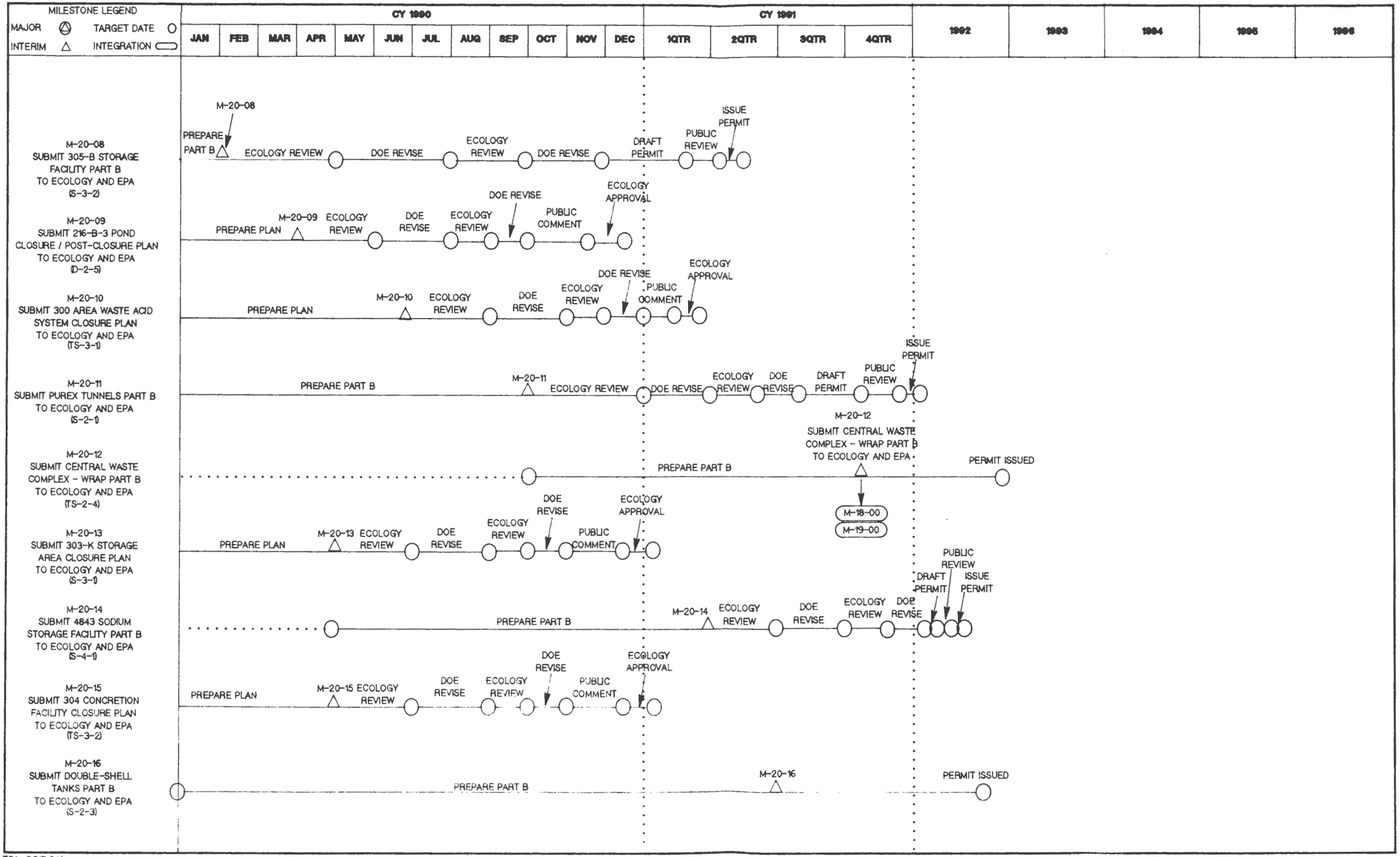

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

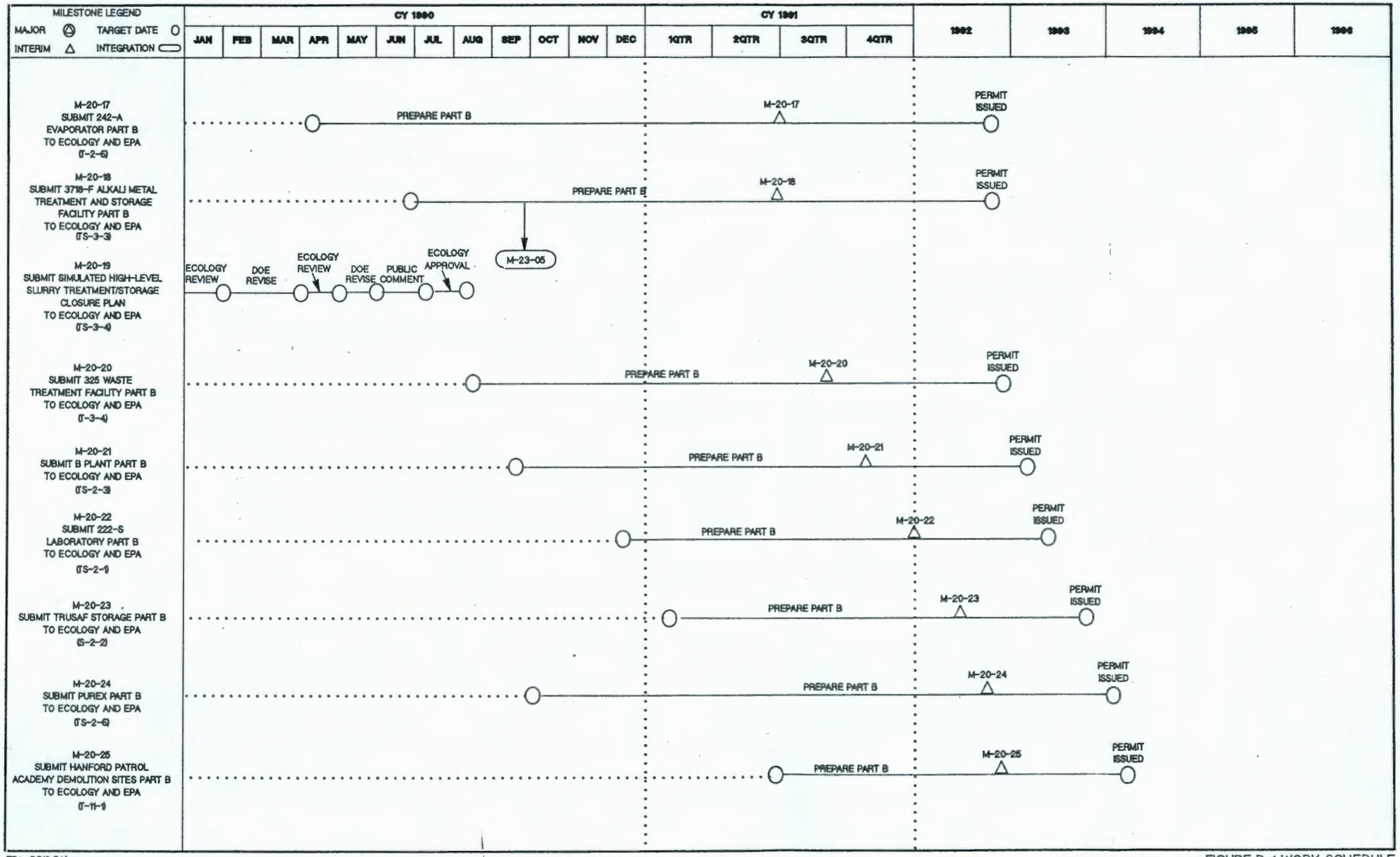

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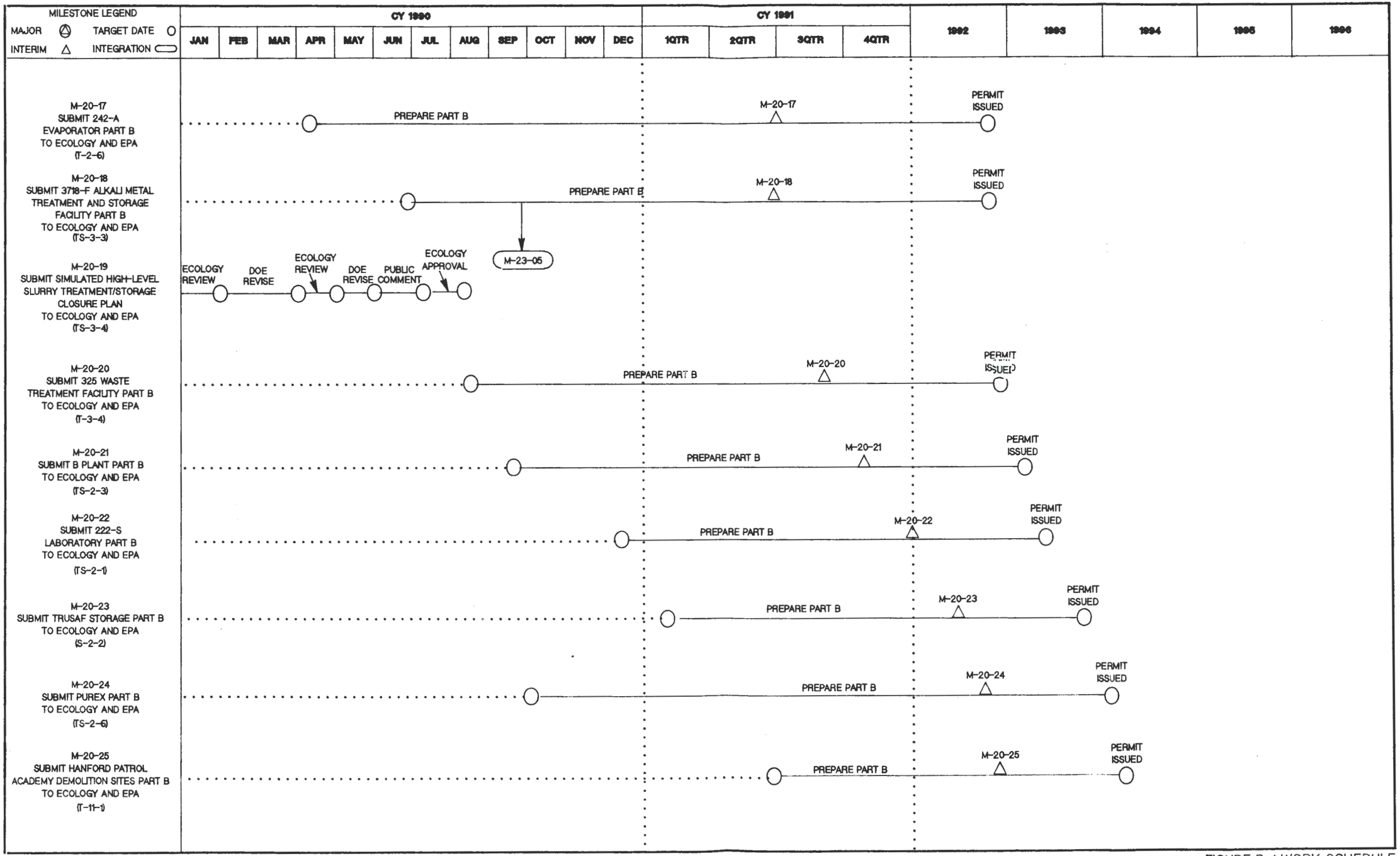
FIGURE D-1 WORK SCHEDULE

9011121.0018

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

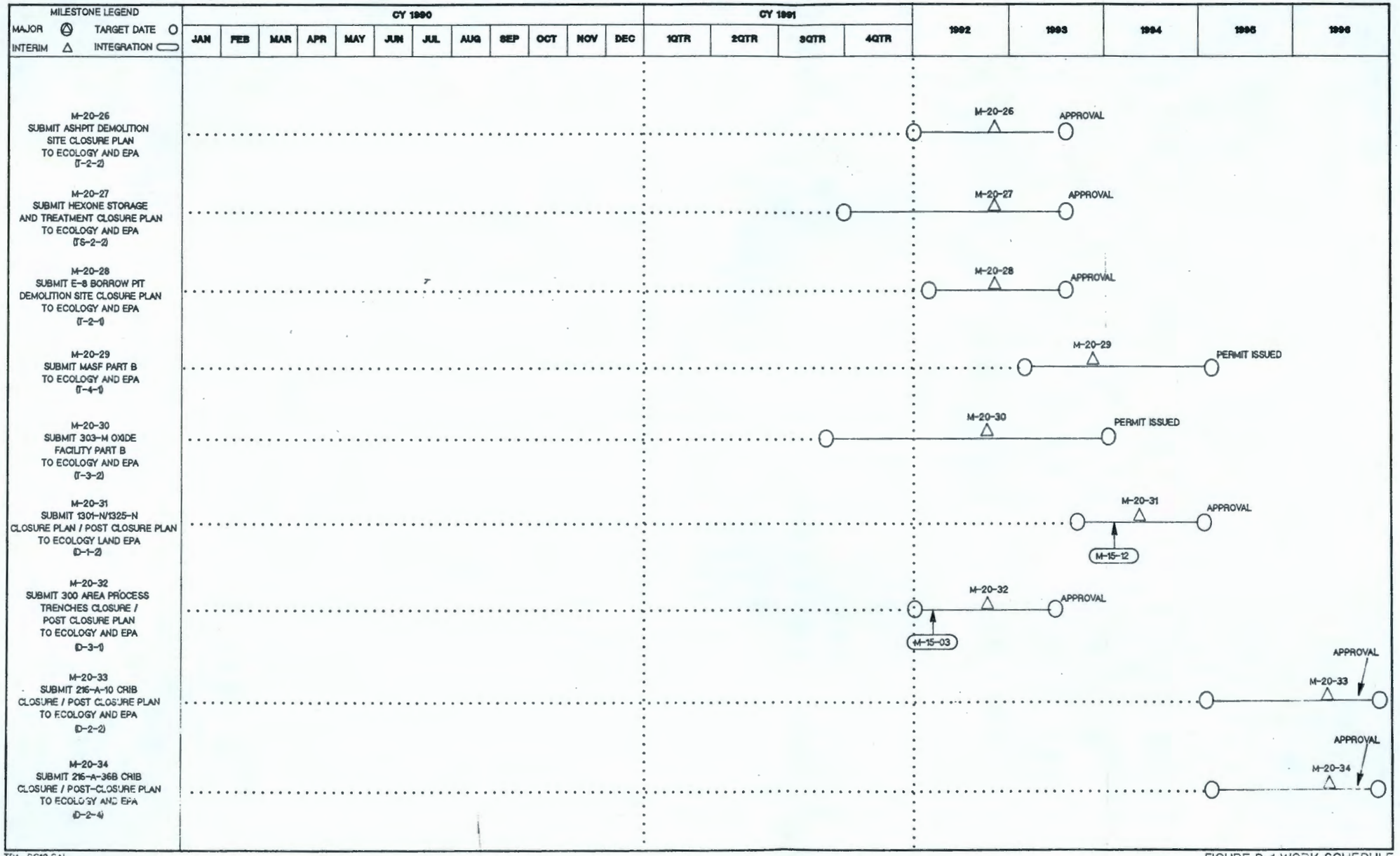


TPA_PG18.GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE



TPA_PG19.GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

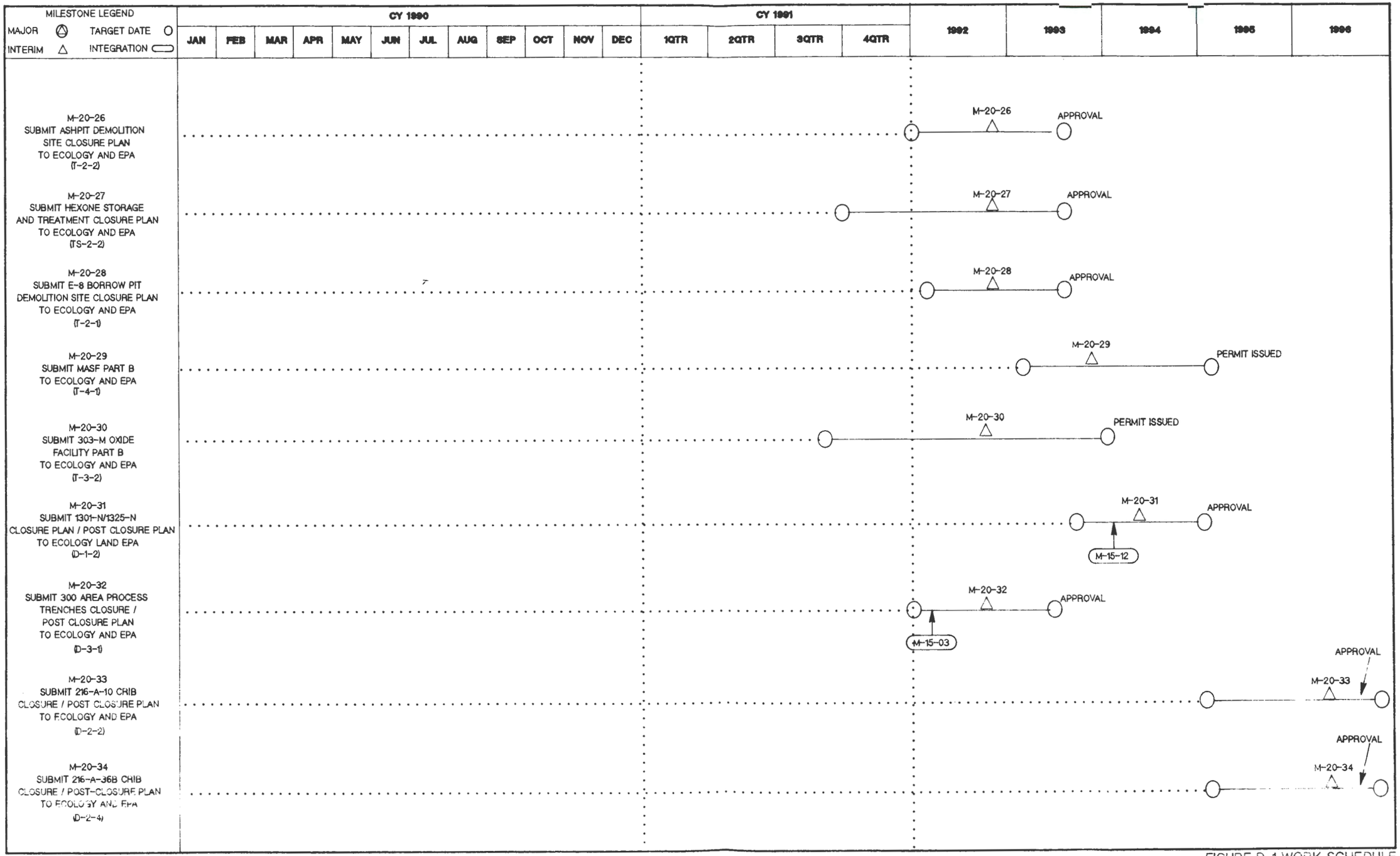


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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

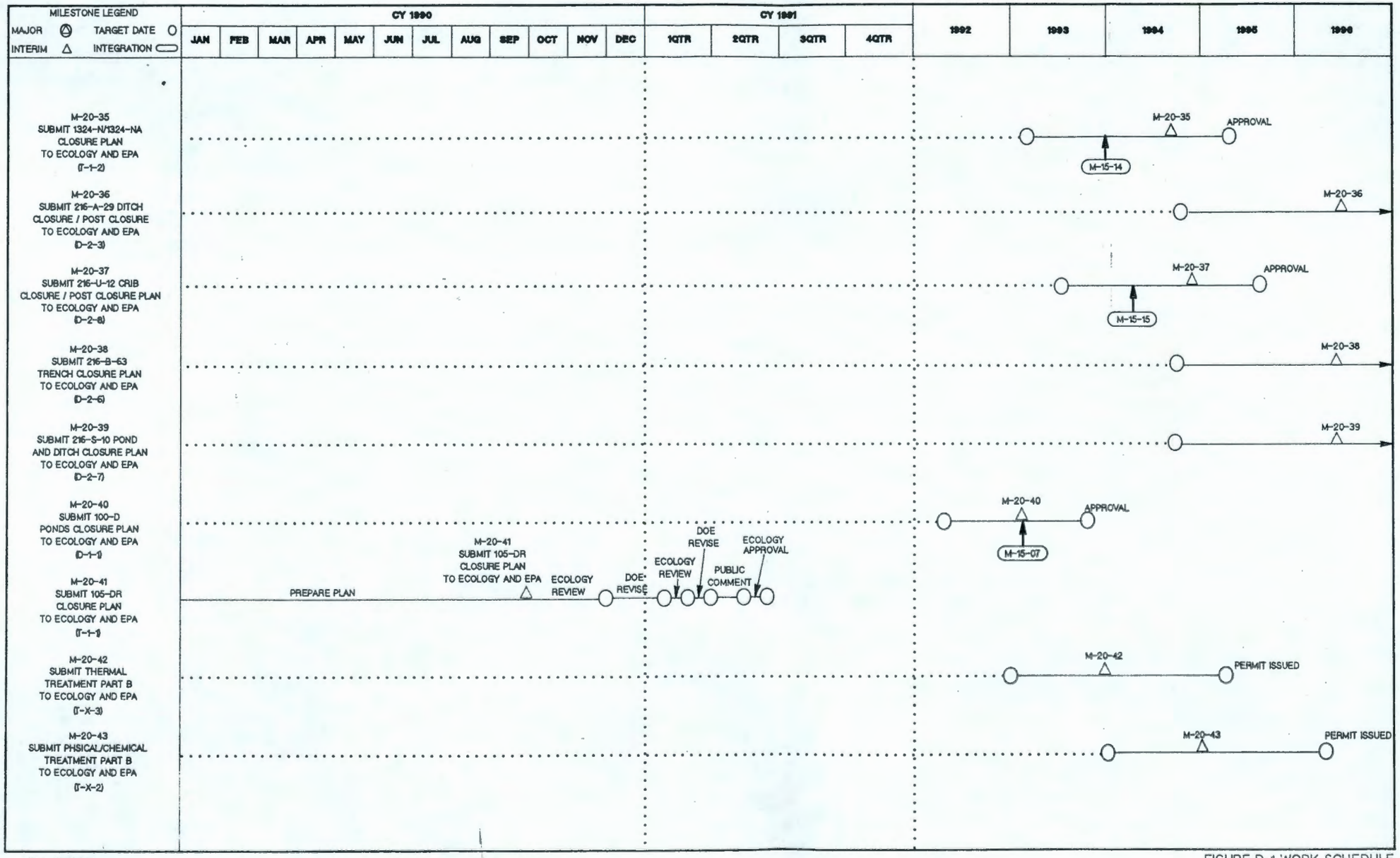

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

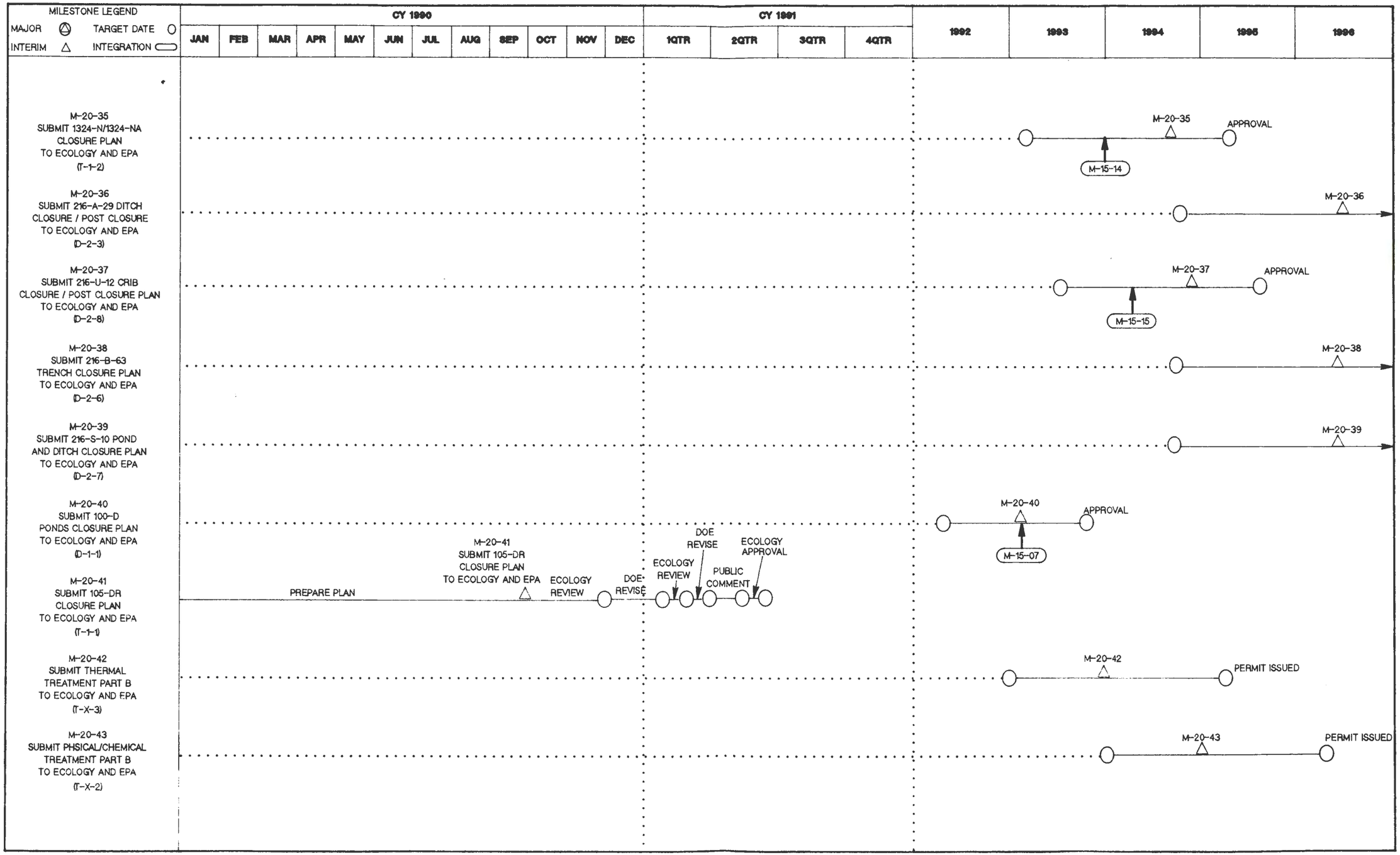

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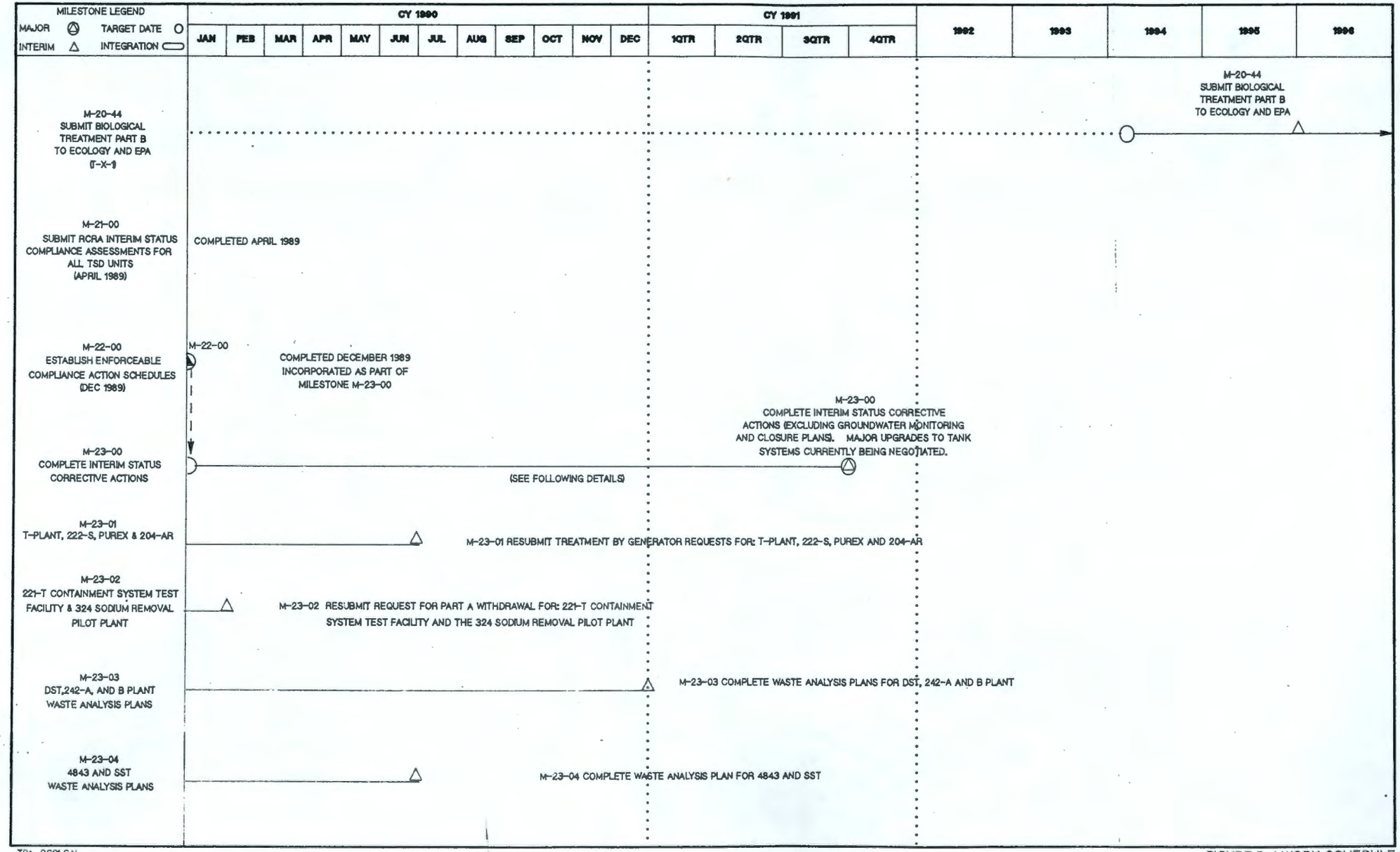
FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE



TPA_PG21.GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

MILESTONE LEGEND
MAJOR ◬ TARGET DATE ○
INTERIM △ INTEGRATION ⬭

	CY 1990												CY 1991				1992	1993	1994	1995	1996
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1QTR	2QTR	3QTR	4QTR					
M-20-44 SUBMIT BIOLOGICAL TREATMENT PART B TO ECOLOGY AND EPA (T-X-1)																			○	△ M-20-44 SUBMIT BIOLOGICAL TREATMENT PART B TO ECOLOGY AND EPA	
M-21-00 SUBMIT RCRA INTERIM STATUS COMPLIANCE ASSESSMENTS FOR ALL TSD UNITS (APRIL 1989)	COMPLETED APRIL 1989																				
M-22-00 ESTABLISH ENFORCEABLE COMPLIANCE ACTION SCHEDULES (DEC 1989)	M-22-00 ◬ COMPLETED DECEMBER 1989 INCORPORATED AS PART OF MILESTONE M-23-00																				
M-23-00 COMPLETE INTERIM STATUS CORRECTIVE ACTIONS	○ (SEE FOLLOWING DETAILS)															◬ M-23-00 COMPLETE INTERIM STATUS CORRECTIVE ACTIONS (EXCLUDING GROUNDWATER MONITORING AND CLOSURE PLANS). MAJOR UPGRADES TO TANK SYSTEMS CURRENTLY BEING NEGOTIATED.					
M-23-01 T-PLANT, 222-S, PUREX & 204-AR	△ M-23-01 RESUBMIT TREATMENT BY GENERATOR REQUESTS FOR: T-PLANT, 222-S, PUREX AND 204-AR																				
M-23-02 221-T CONTAINMENT SYSTEM TEST FACILITY & 324 SODIUM REMOVAL PILOT PLANT	△ M-23-02 RESUBMIT REQUEST FOR PART A WITHDRAWAL FOR: 221-T CONTAINMENT SYSTEM TEST FACILITY AND THE 324 SODIUM REMOVAL PILOT PLANT																				
M-23-03 DST,242-A, AND B PLANT WASTE ANALYSIS PLANS	△ M-23-03 COMPLETE WASTE ANALYSIS PLANS FOR DST, 242-A AND B PLANT																				
M-23-04 4843 AND SST WASTE ANALYSIS PLANS	△ M-23-04 COMPLETE WASTE ANALYSIS PLAN FOR 4843 AND SST																				

TPA_PG21.GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

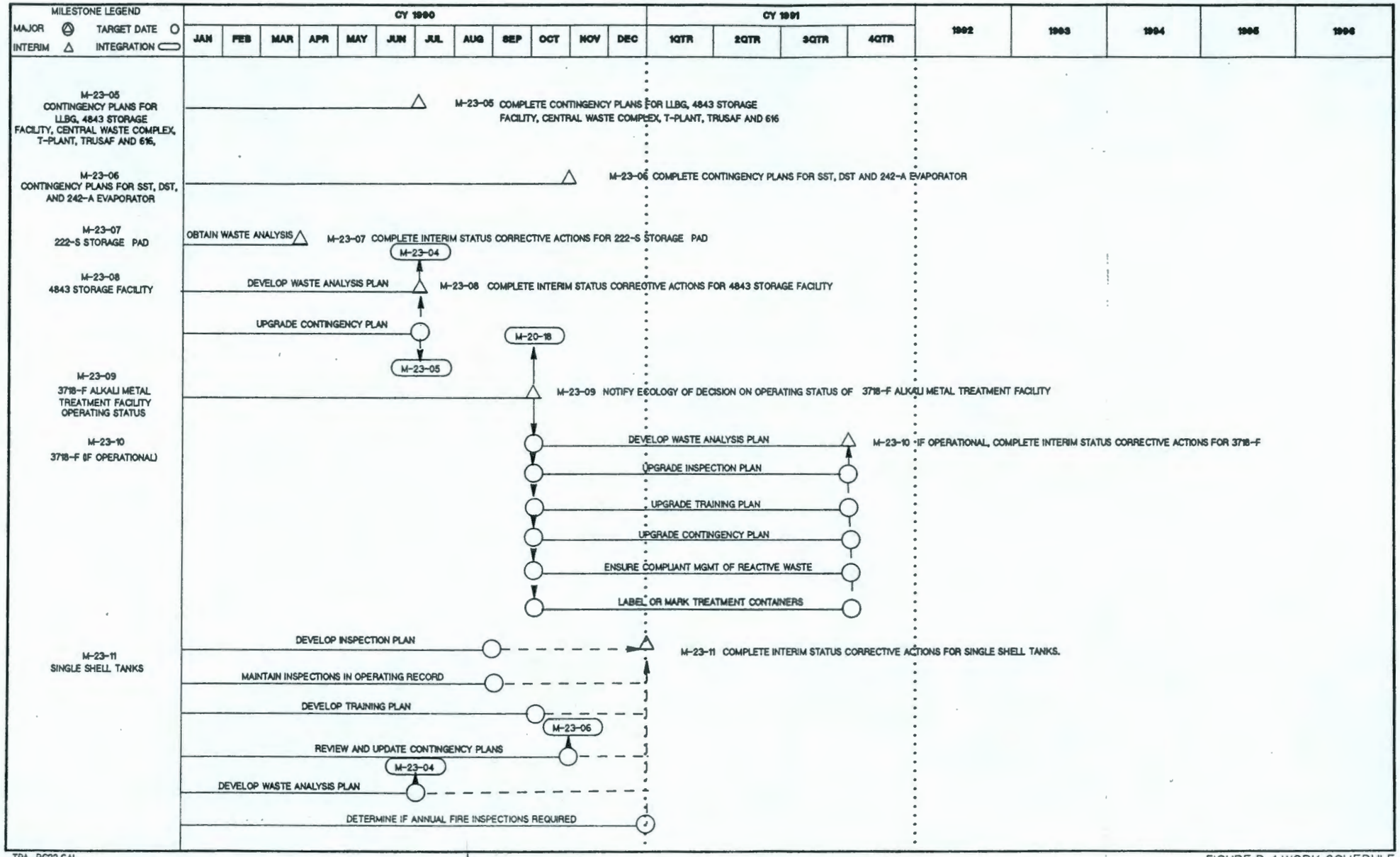


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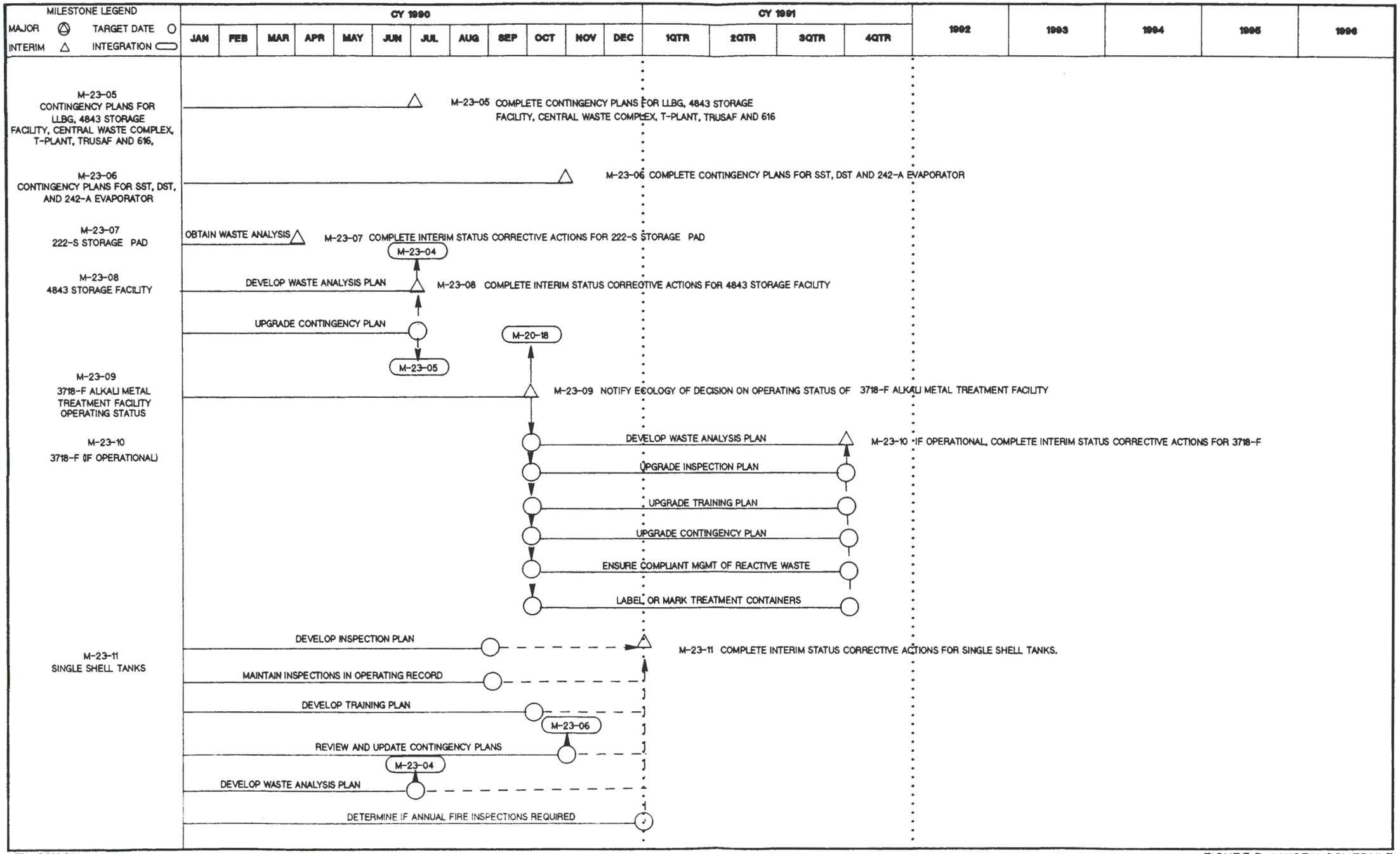
FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

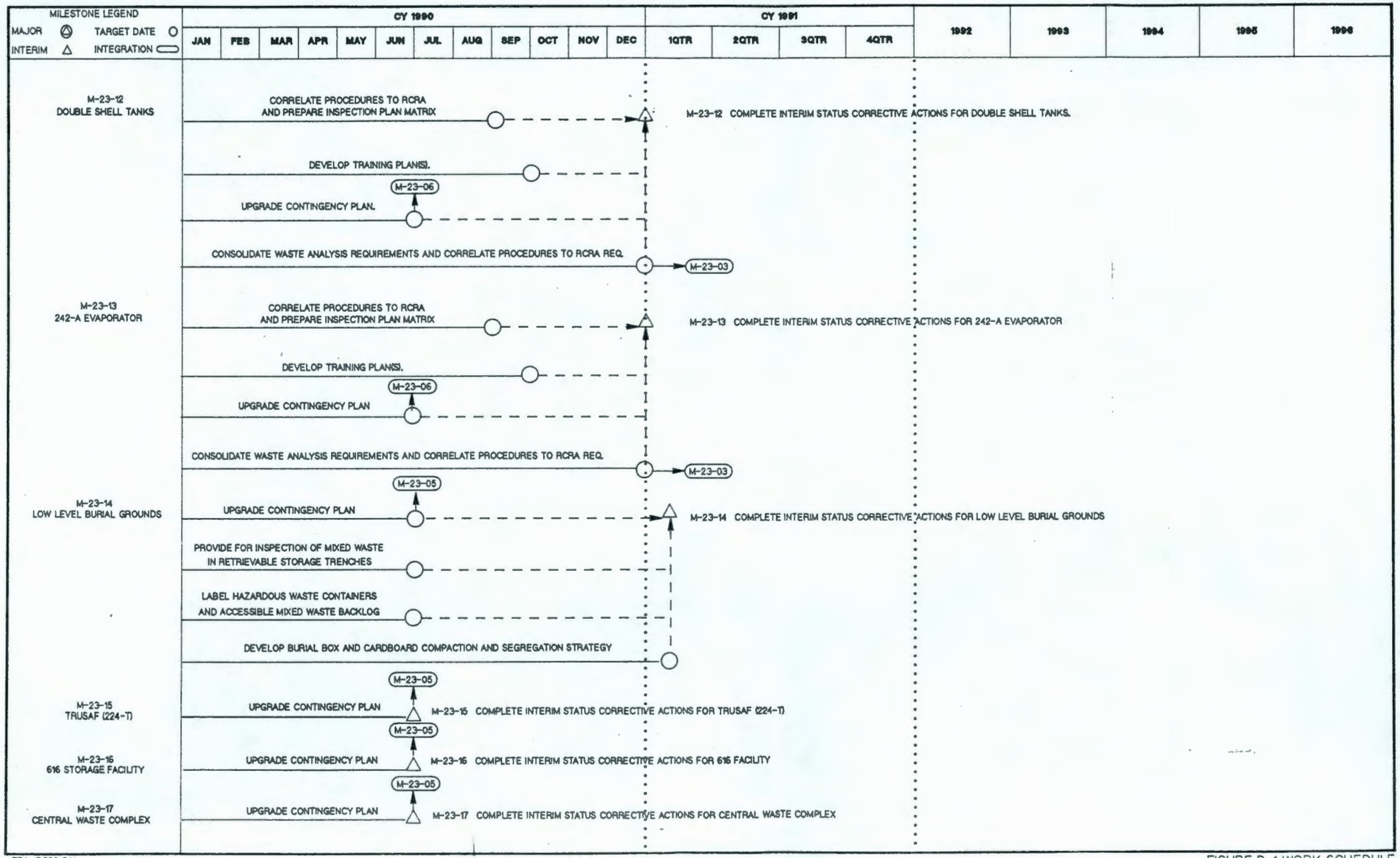


TPA_PG22.GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

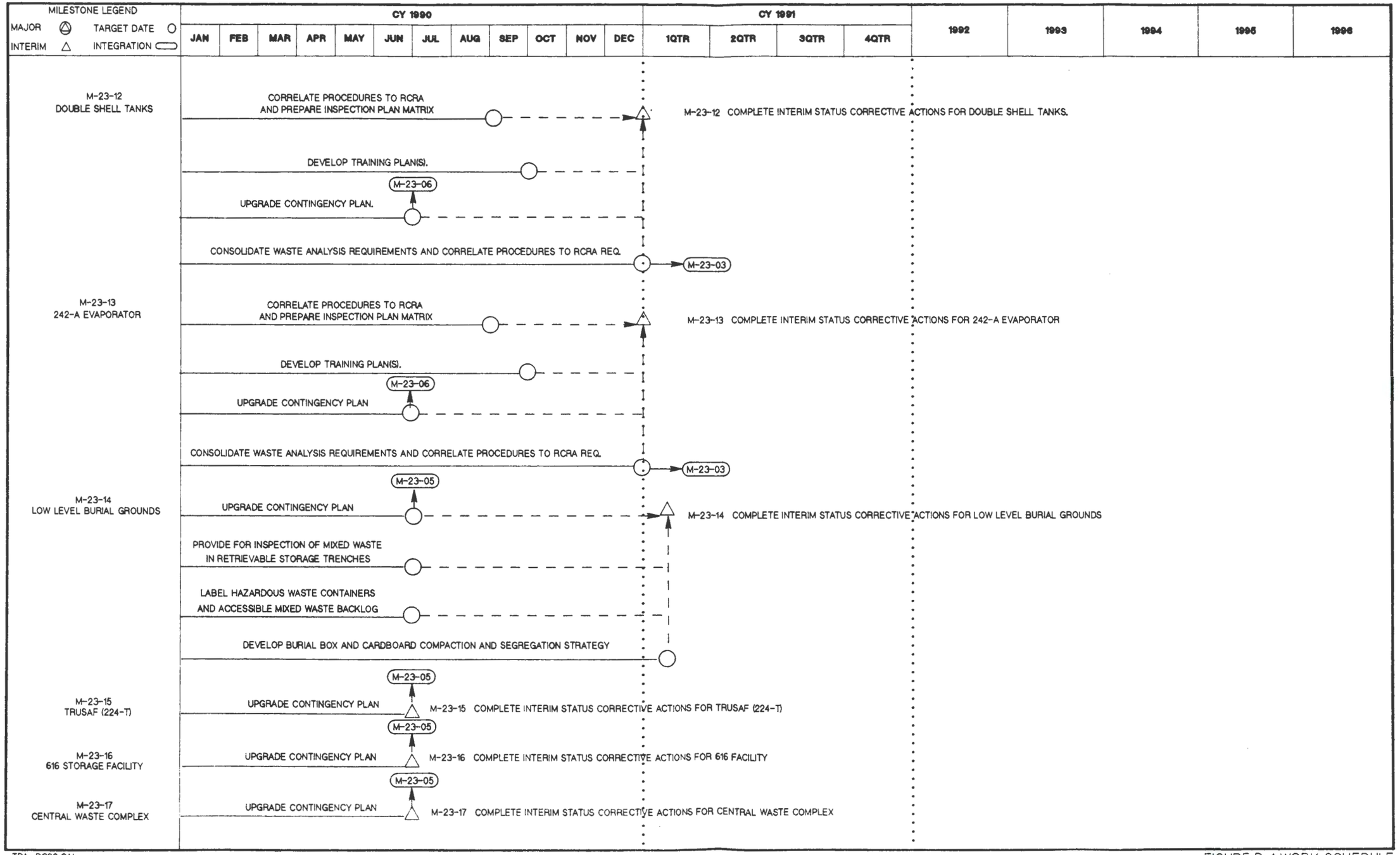


TPA_PG23.GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

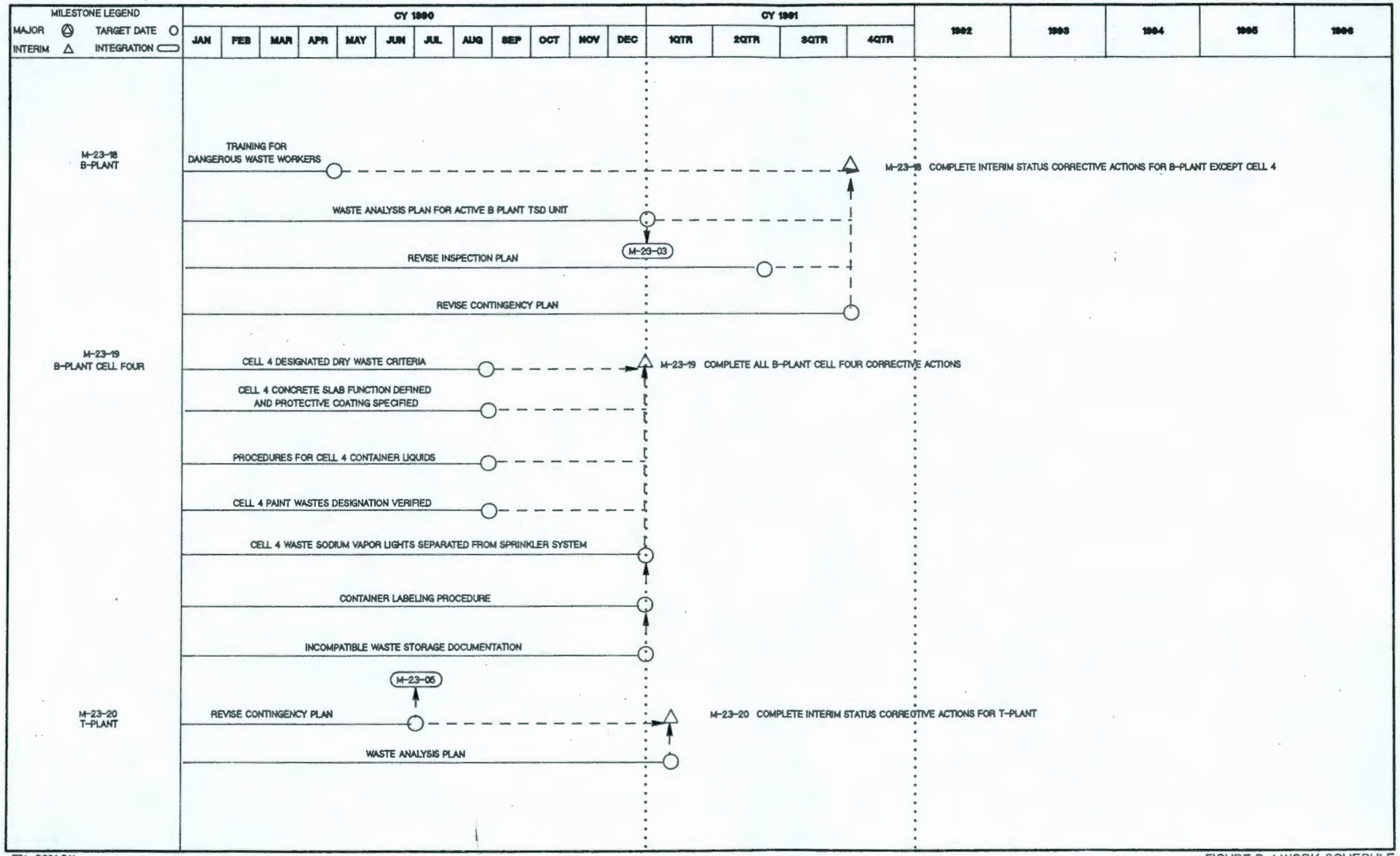


TPA_PG23.GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

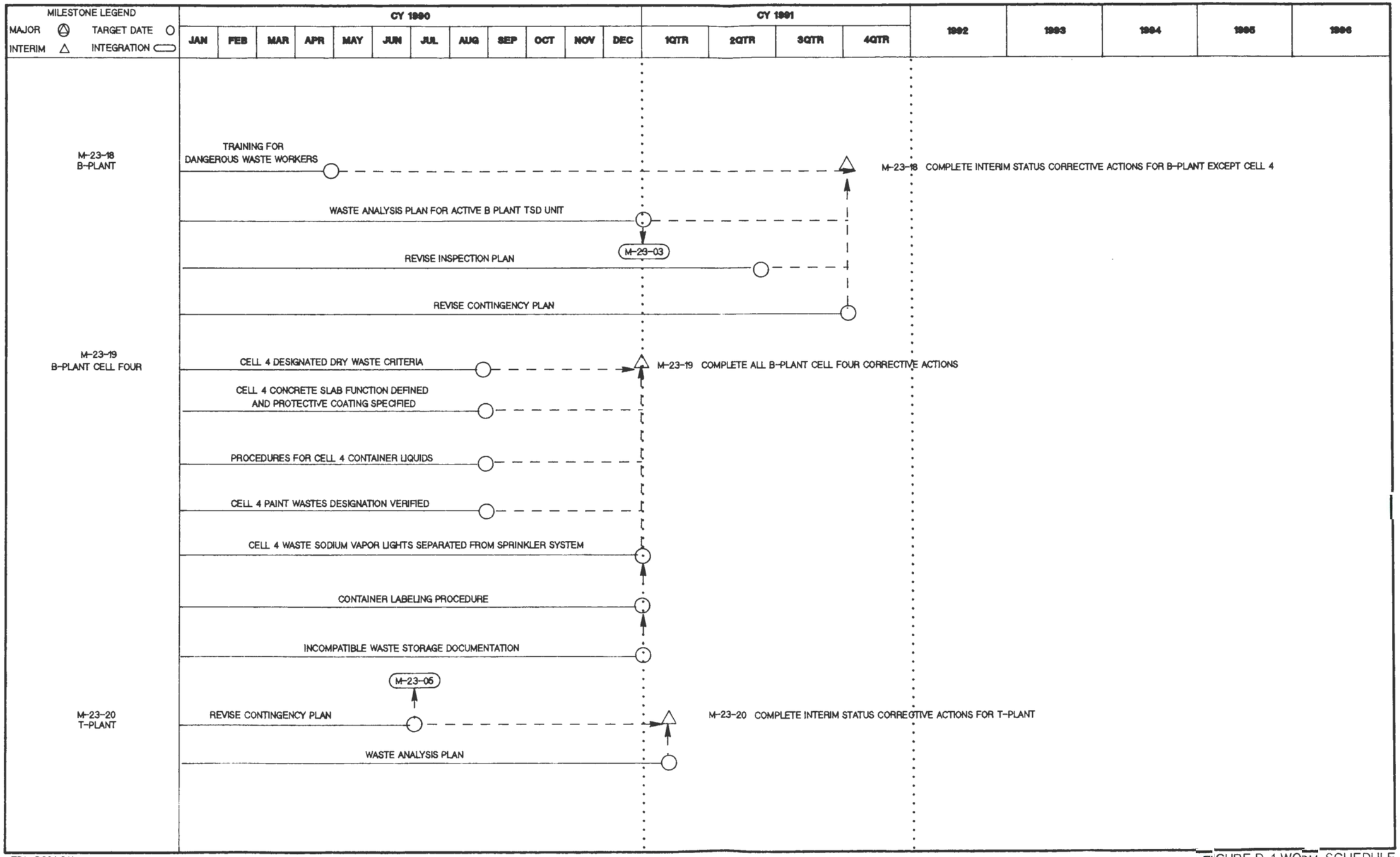


TPA_PG24.GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

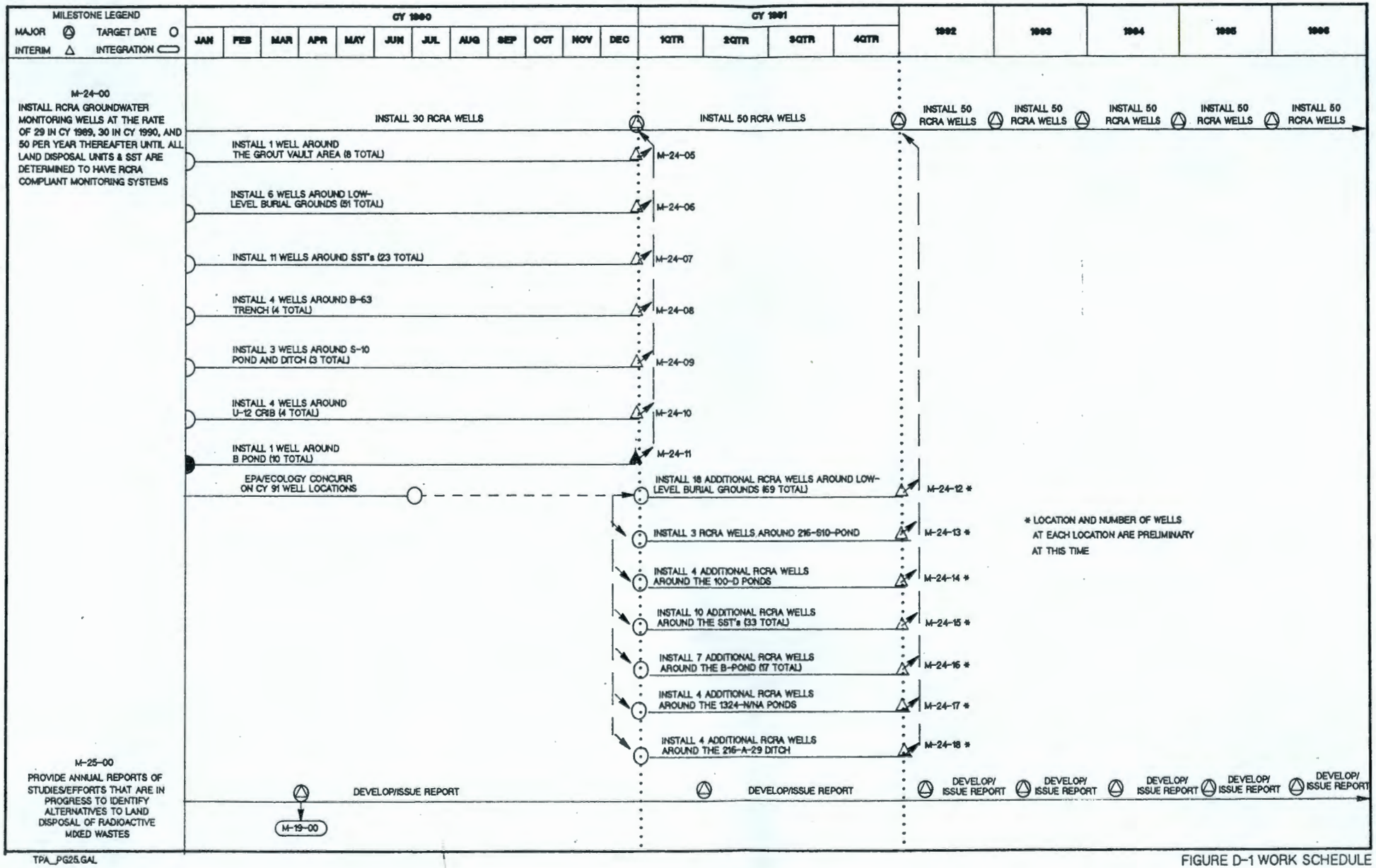
ACTION PLAN WORK SCHEDULE



TPA_PG24.GAL

FIGURE D-1 WORK SCHEDULE

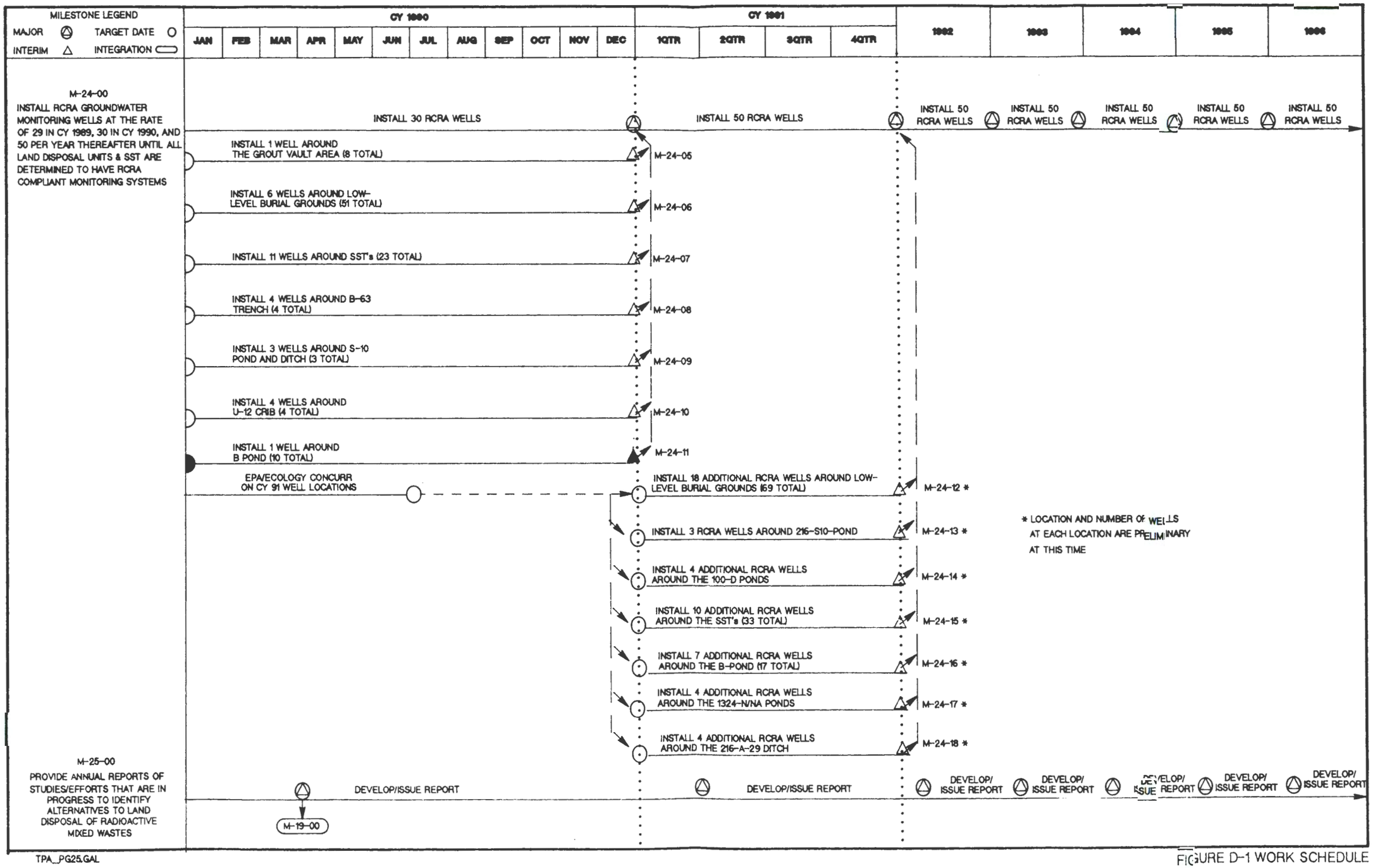
FEDERAL FACILITY AGREEMENT AND CONSENT ORDER
ACTION PLAN WORK SCHEDULE



TPA_PG25.GAL

FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER
ACTION PLAN WORK SCHEDULE



TPA_PG25.GAL

FIGURE D-1 WORK SCHEDULE

Appendix E

Key Individuals

	U.S. Environmental Protection Agency Region 10	Washington State Department of Ecology	U.S. Department of Energy Richland Operations
Hanford Project Manager	Paul Day EPA Region 10 P.O. Box 550, A7-70 Richland, WA. 99352 (509) 376-6623 FTS 444-6623	Timothy Nord Washington Department of Ecology Nuclear and Mixed Waste Management Program PV-11 Olympia, WA. 98504 (206) 438-7021	Steve Wisness U.S. Department of Energy Richland Operations P.O. Box 550 Richland, WA. 99352 (509) 376-6798
Community Relations Contact	Grechen Schmidt EPA Region 10 HW-114 1200 Sixth Avenue Seattle, WA. 98101 (206) 442-1283	Mary Kelly Washington Department of Ecology Nuclear and Mixed Waste Management Program PV-11 Olympia, WA. 98504 (206) 459-6676	Ken Morgan U.S. Department of Energy Richland Operations P.O. Box 550 Richland, WA. 99352 (509) 376-7162

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