

DRAFT

Dr Elizabeth Gordon  
NMEID  
January 18, 1991

*not file*

Dear Dr. Gordon:

Attached are the schedules for closure plan submittal, and where appropriate, closure implementation and reporting for sites undergoing interim status closure at Los Alamos National Laboratory. These schedules are submitted in response to the request you made in the meeting held January 13 concerning our proposal to integrate closure with corrective action at complicated sites. They are also submitted in response to your request (memorandum of October 30, 1990) to submit all of our most recent closure plans. As illustrated in the schedules, field work for straightforward sites has generally been completed and the only remaining work involves the submittal of closure reports documenting the actual field work. Below is a summary of relevant milestones illustrated in the attached schedules:

TA 35

<u>Milestone</u>	<u>Completion Date</u>
<b>TA-40 Scrap Detonation Site</b>	
Submittal of Revised Closure Plan	February 11, 1991
Submittal of Closure Report	May 26, 1992
<b>Area L Waste Oil Storage Tanks</b>	
Submittal of Closure Report <sup>1</sup>	April 16, 1991
<b>TA-35 Waste Oil Surface Impoundment TSL-125</b>	
Submittal of Closure Report <sup>1</sup>	July 29, 1991
<b>TA-35 Waste Oil Surface Impoundment TSL-85</b>	
Submittal of Closure Report <sup>1</sup>	September 17, 1991
<b>TA-54 Areas L, H, and G</b>	
Revised/Consolidated Closure Plan Submittal	July 18, 1991
} Closure Plan Modification/RFI Work Plan	May 19, 1992
	April 13, 1998 <i>1996</i>

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Closure Plan Modification/CMS Work Plan	July 14, 1998
Closure Plan Final Modification/Post-Closure Care Plan (Post-Closure Permit Application?)/CMS Report	December 23, 1999

**TA-16 Area P Landfill**

*July, 1991*

Revised Closure Plan Submittal	June 26, 1991
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Closure Plan Modification/RFI Work Plan	May 21, 1993
Closure Plan Modification/RFI Report	October 23, 1998

Closure Plan Modification/CMS Work Plan	July 16, 1999
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Closure Plan Final Modification/Post-Closure Care Plan (Post-Closure Permit Application?)/CMS Report	December 27, 2000
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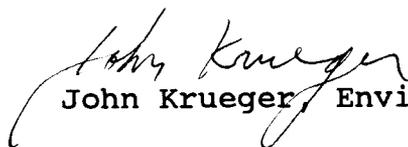
<sup>1</sup>Field work for these sites has been completed according to the draft closure plans already submitted (with minor variations to be documented in closure reports).

As shown in the table, the TA-40 plan will come in almost immediately, and four other closure documents will be submitted throughout this fiscal year. We propose that the closure plans for Areas L, H, and G be consolidated to be consistent with the operable unit approach we are taking to comply with the corrective action requirements in our HSWA Permit (e.g., we intend to characterize all of TA-54 simultaneously, using one RCRA Facility Investigation [RFI] work plan. Remedies, however, will be specific to individual solid waste management units or corrective action management units).

The schedules for the two complicated closures, Areas L, H, and G and Area P are consistent with the RFI/CMS schedule we have submitted to both NMEID and EPA for approval in our Installation Work Plan. They were developed to meet HSWA Permit requirements and in recognition of budgetary limitations. For example, the RFI for TA-16 does not start until next fiscal year because the permit does not require an earlier start, and funding limitations prevent us from exceeding regulatory requirements.

This transmittal is intended to be informal, and we welcome any further informal discussion on this matter. Please telephone me with any questions, at 667-2191.

Sincerely,

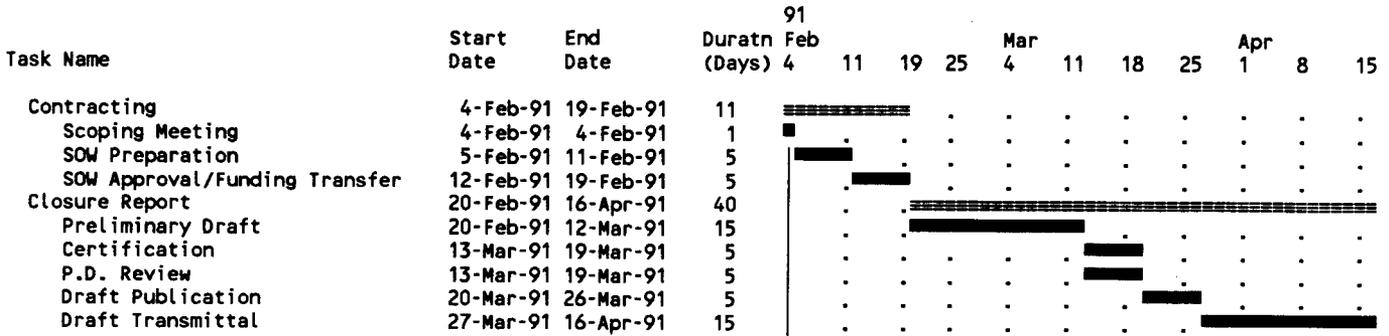


John Krueger, Environmental Restoration Program Office, HSE-13

# DRAFT

Schedule Name : TA-54 Area L Waste Oil Storage Tanks Closure  
 Responsible : John Krueger  
 As-of Date : 4-Feb-91 Schedule File : C:\TL3\STCLOSE1

This schedule reflects the fact that field work is complete.

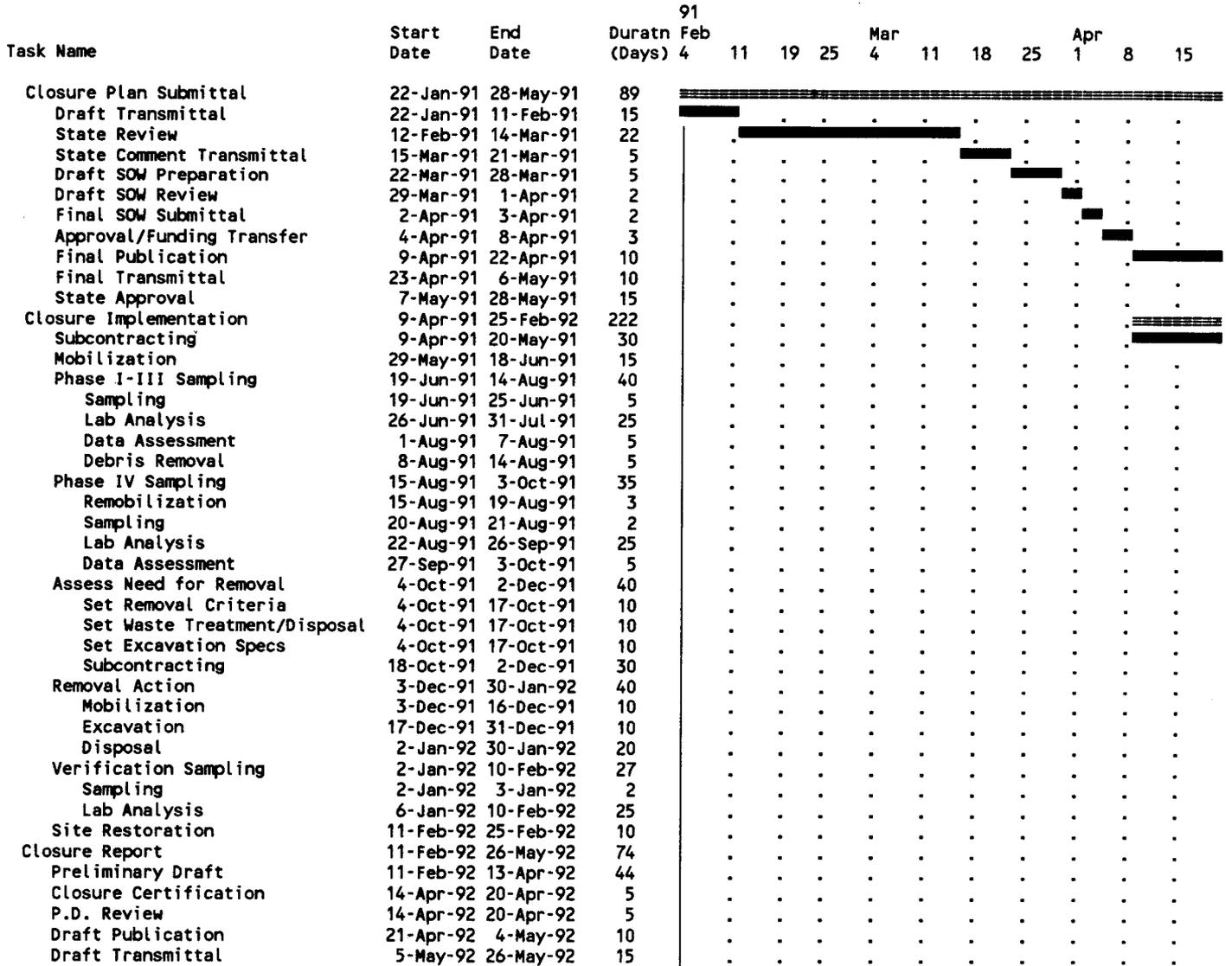


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 ■ Detail Task      ■ Summary Task      ▲ Milestone  
 ■ (Started)      ■ (Started)      ►► Conflict  
 ■ (Slack)      ■ (Slack)      .. Resource delay  
 ----- Scale: 1 day per character -----

TIME LINE Gantt Chart Report, Strip 1

Schedule Name : TA-40 Scrap Detonation Site Closure  
 Responsible : John Krueger  
 As-of Date : 4-Feb-91 Schedule File : C:\TL3\STCLOSE2

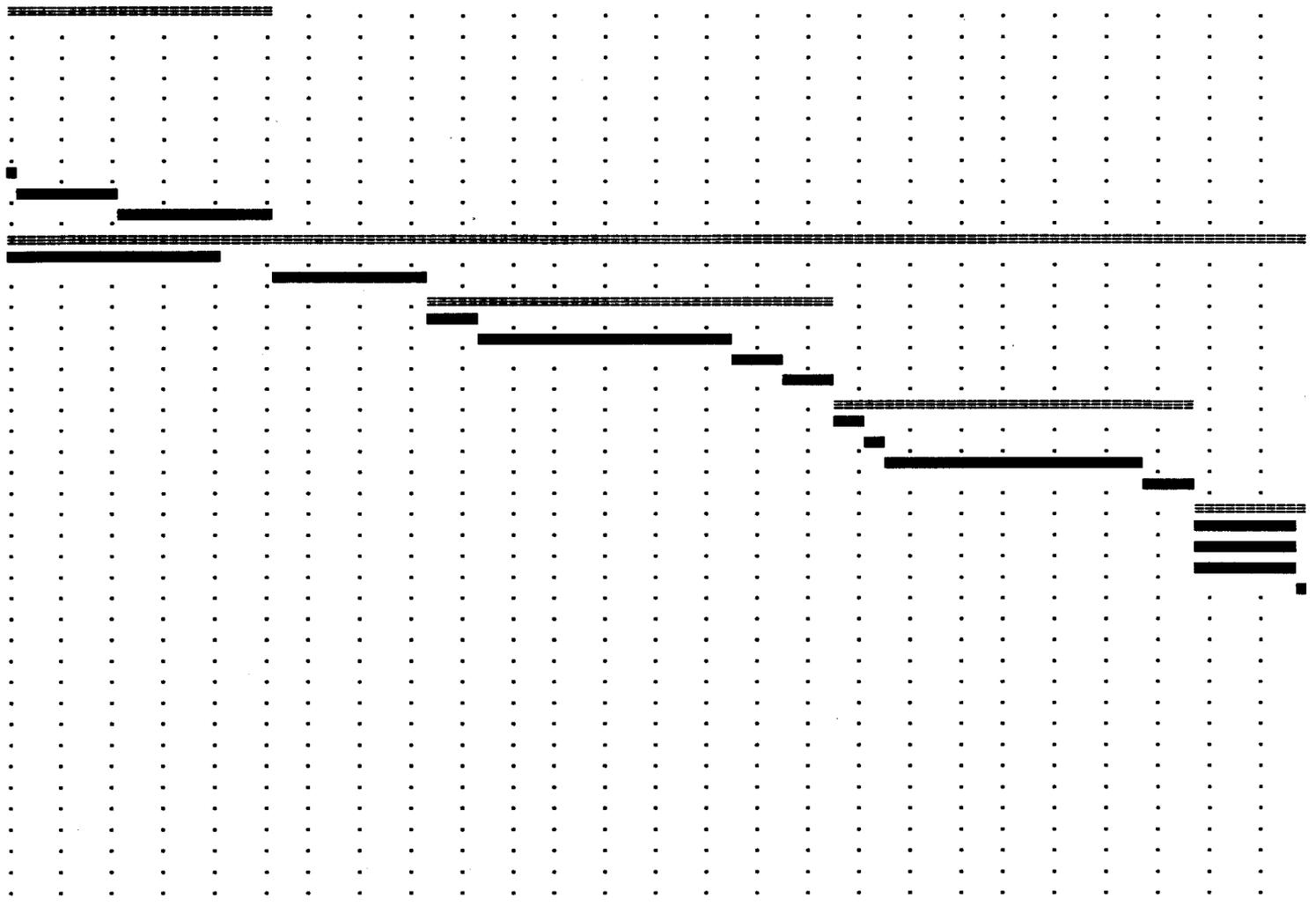
Schedules for activities that depend on State approval are subject to change.



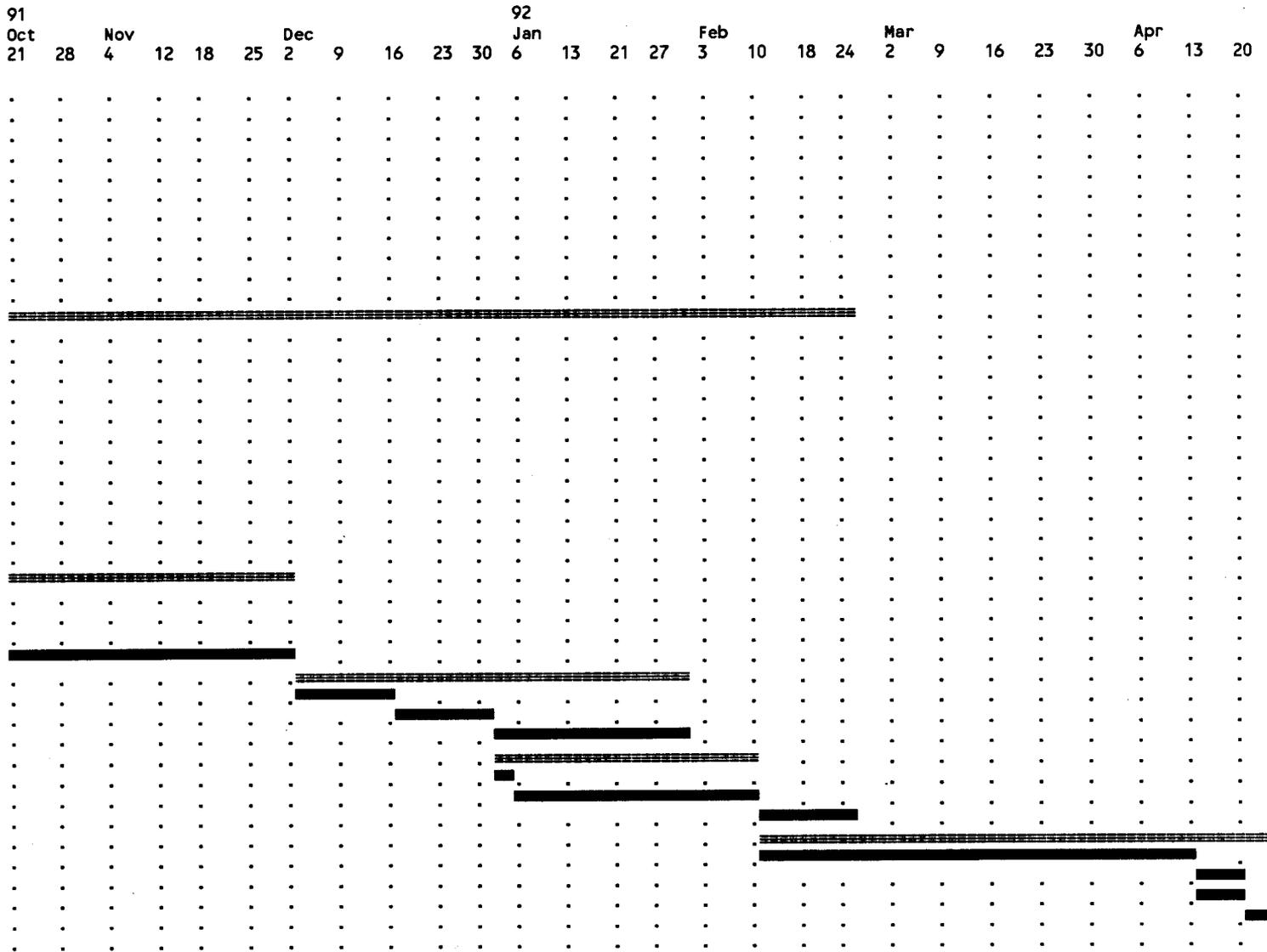
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 ■ Detail Task    ■ Summary Task    ▲ Milestone  
 ■ (Started)    ■ (Started)    ▶▶ Conflict  
 ■ (Slack)      ■ (Slack)      .. Resource delay  
 ----- Scale: 1 day per character -----

TIME LINE Gantt Chart Report, Strip 1

91  
 Apr 22 29 May 6 13 20 28 Jun 3 10 17 24 Jul 1 8 15 22 29 Aug 5 12 19 26 Sep 3 9 16 23 30 Oct 7 14

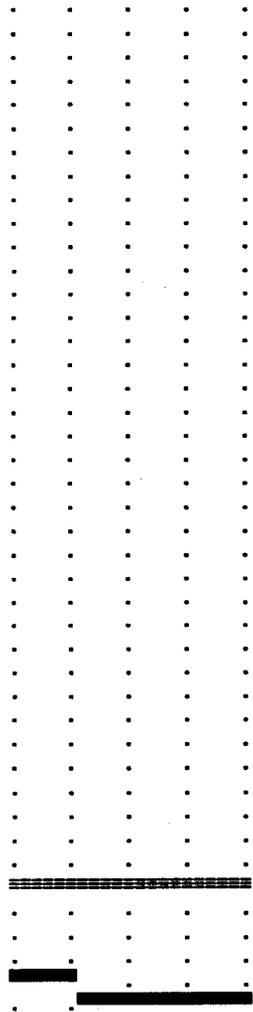


TIME LINE Gantt Chart Report, Strip 2



TIME LINE Gantt Chart Report, Strip 3

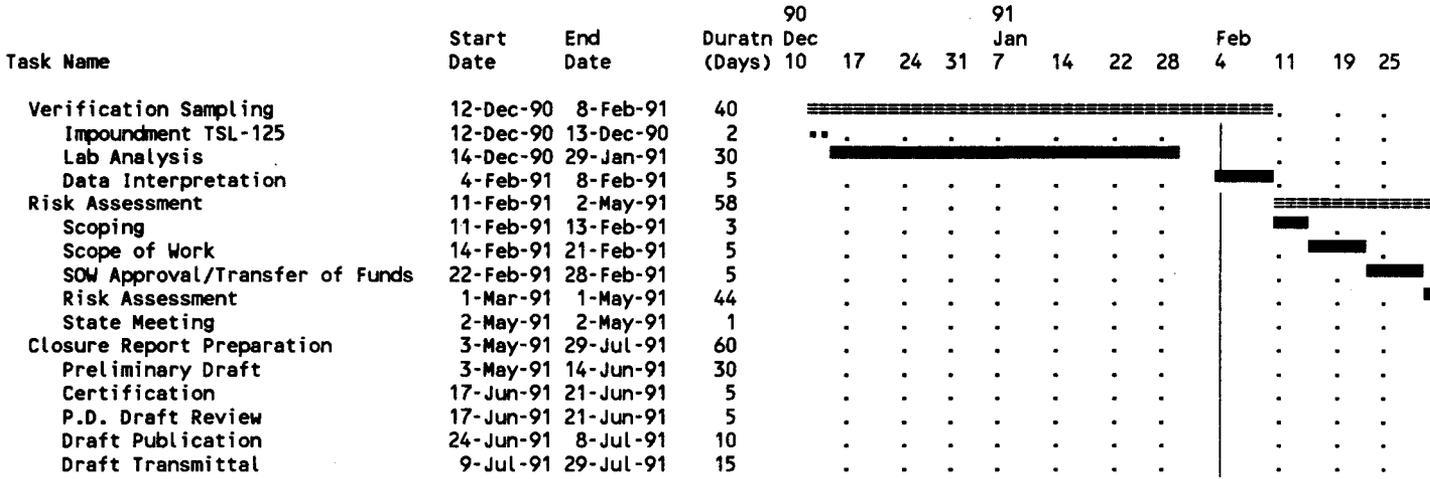
92  
Apr 27 May 4 11 18 26



TIME LINE Gantt Chart Report, Strip 4

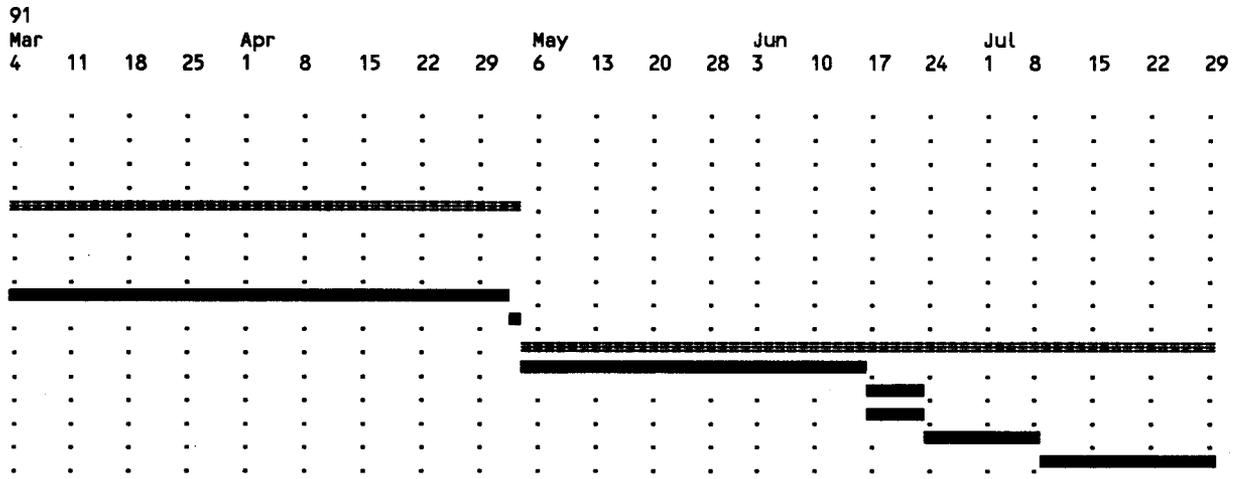
Schedule Name : TA-35 Waste Oil Surface Impoundment TSL-125  
 Responsible : John Krueger  
 As-of Date : 4-Feb-91 Schedule File : C:\TL3\STCLOSE3

This schedule depends on the ability to reach a consensus with the State on the requirements for a clean closure.



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 ■ Detail Task      ■ Summary Task      ▲ Milestone  
 ■ (Started)      ■ (Started)      ►► Conflict  
 ■ (Slack)      ■ (Slack)      .. Resource delay  
 ----- Scale: 1 day per character -----

TIME LINE Gantt Chart Report, Strip 1



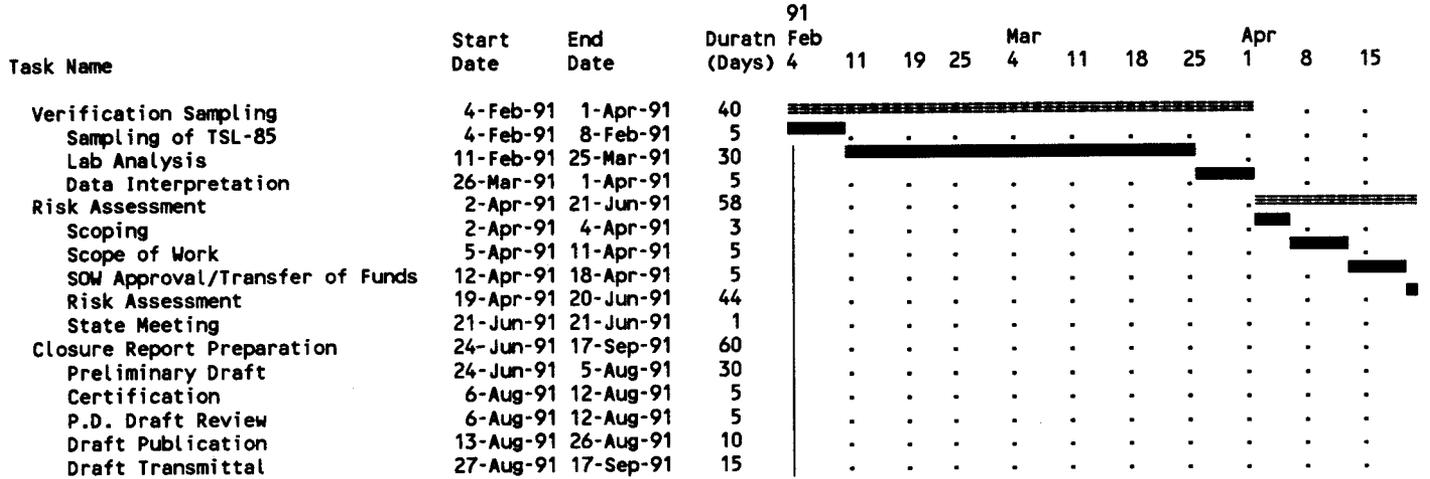
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TIME LINE Gantt Chart Report, Strip 2

Schedule Name : TA-35 Waste Oil Surface Impoundment TSL-85  
 Responsible : John Krueger  
 As-of Date : 4-Feb-91 Schedule File : C:\TL3\SCLOSE85

This schedule depends on the ability to reach a consensus with the State on the requirements for a clean closure.



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 [Solid Bar] Detail Task    [Dashed Bar] Summary Task    ▲ Milestone  
 [Dotted Bar] (Started)    [Double Dashed Bar] (Started)    >>> Conflict  
 [Horizontal Line] (Slack)    [Vertical Line] (Slack)    [Stippled Bar] Resource delay  
 ----- Scale: 1 day per character -----

TIME LINE Gantt Chart Report, Strip 1





Draft Publication	3-Dec-99	23-Dec-99	15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
State/EPA Review	24-Dec-99	30-Mar-00	66	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Final Publication	31-Mar-00	11-May-00	30	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
EPA CMS Report Approval	12-May-00	13-Jun-00	22	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Closure/Post-Closure Approval	14-Jun-00	14-Jul-00	22	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

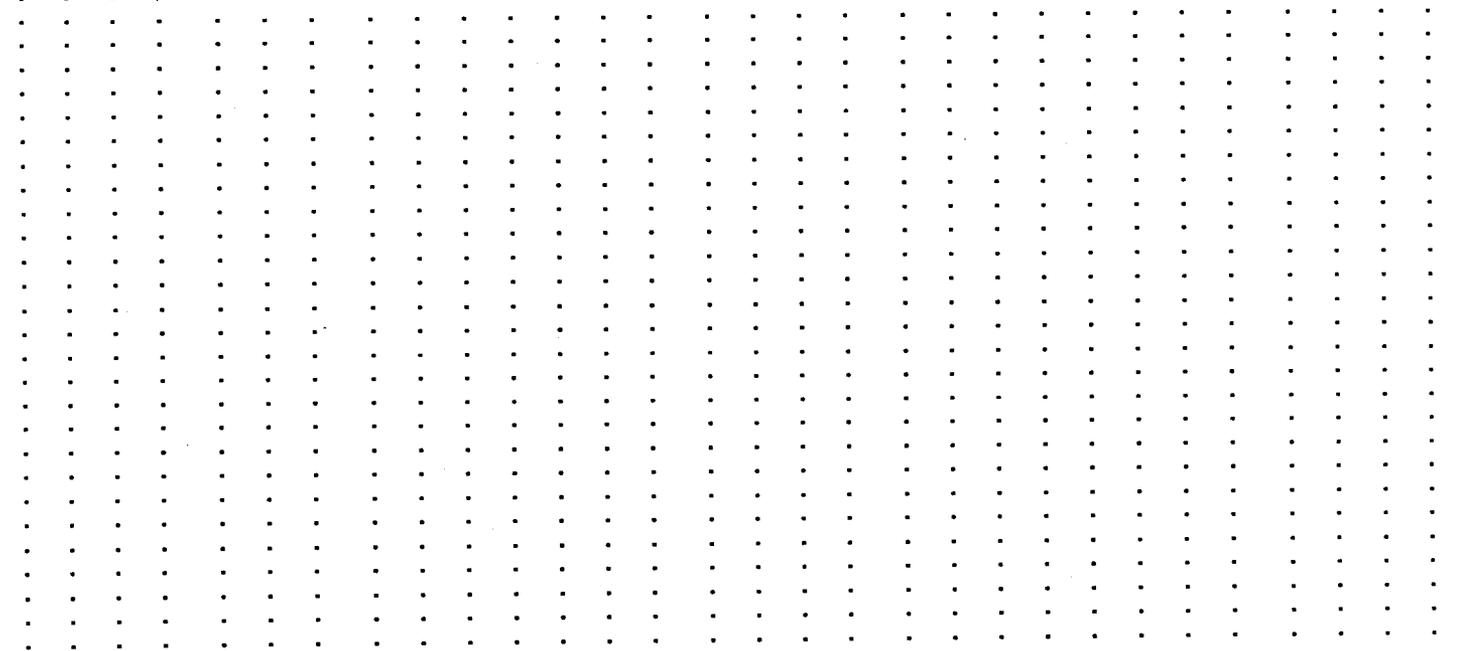
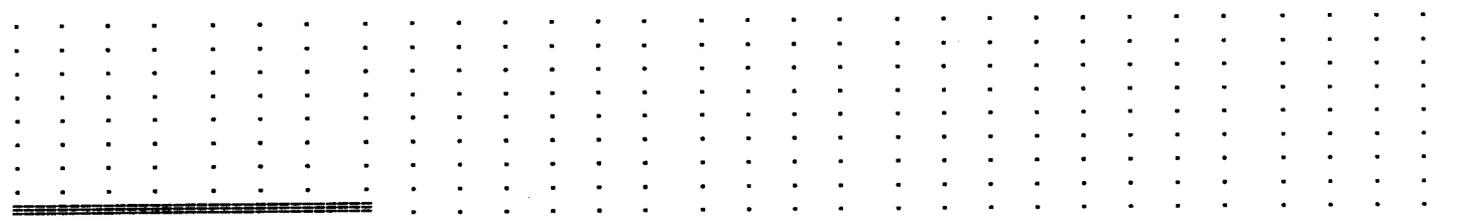
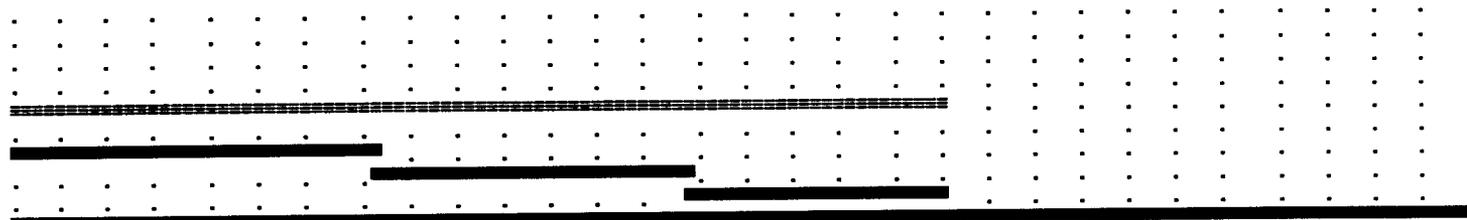
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■ Detail Task      ■■■■ Summary Task      ▲ Milestone  
 ■■ (Started)      ■■■■ (Started)      ►► Conflict  
 ■ (Slack)      ■■■■ (Slack)      ..■ Resource delay

----- Scale: 1 week per character -----

TIME LINE Gantt Chart Report, Strip 1

92				93								94																	
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
2	1	1	1	1	3	1	1	2	1	4	1	1	1	3	1	1	2	1	1	1	1	4	1	1	1	2	1	1	1



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**TIME LINE Gantt Chart Report, Strip 2**



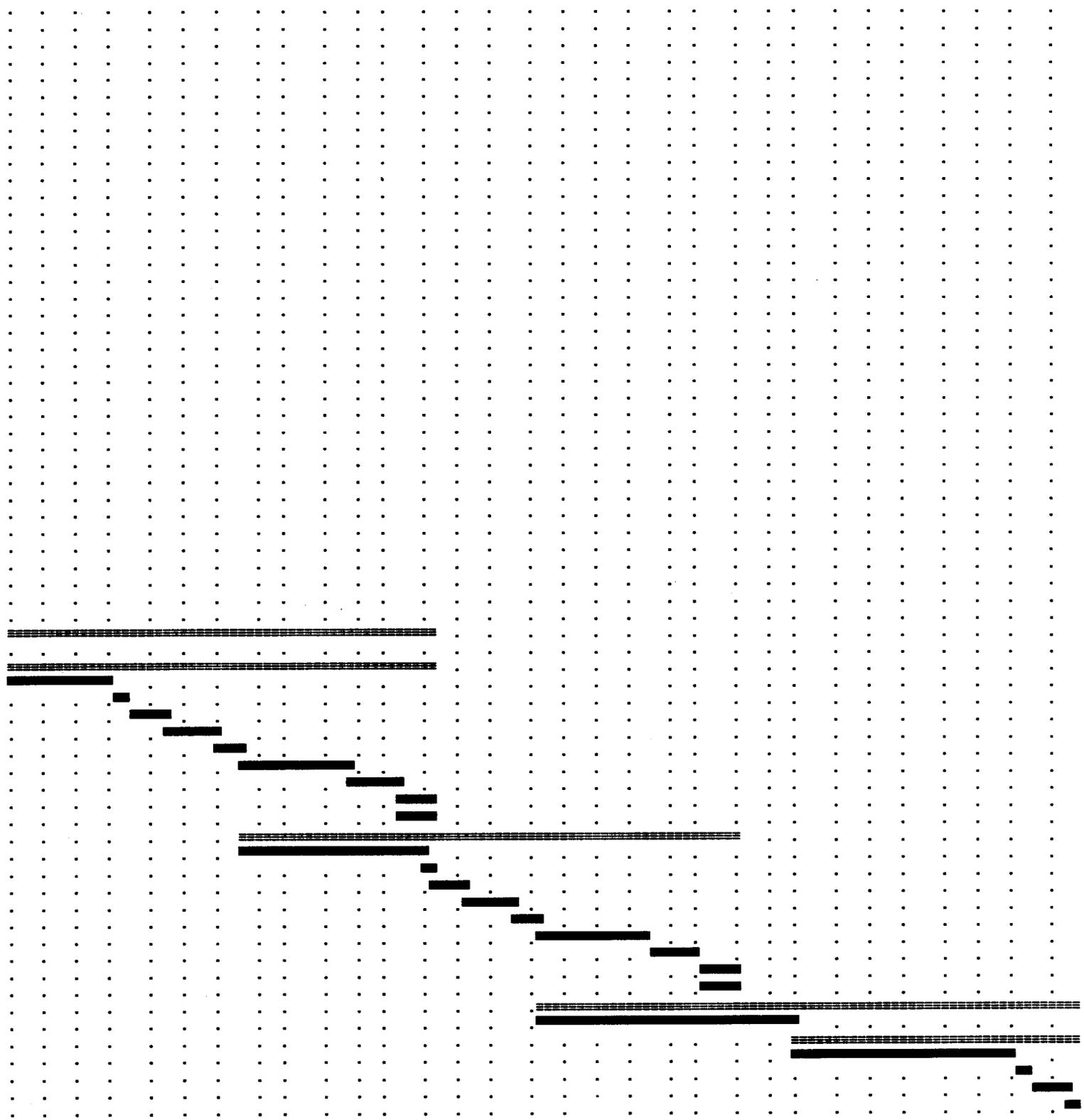
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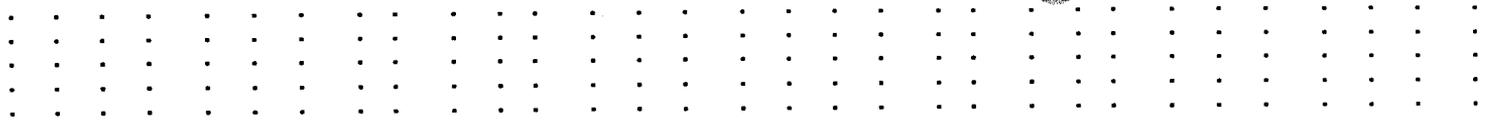
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**TIME LINE Gantt Chart Report, Strip 3**

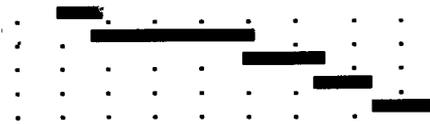
97												98					99													
Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1	1	2	1	1	2	1	3	1	2	2	2	1	1	1	1	3	1	1	2	1	4	1	1	1	3	1	1	2	1	1





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**TIME LINE Gantt Chart Report, Strip 4**





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**TIME LINE Gantt Chart Report, Strip 5**

Schedule Name : Area P Landfill Closure Schedule  
 Responsible : John Krueger  
 As-of Date : 4-Feb-91 Schedule File : C:\TL3\STCLOSE5

This schedule is consistent with the RFI/CMS schedule, which is driven both by the HSWA Permit and budget limitations.

Task Name	Start Date	End Date	Duratn (Days)	91												92	
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
Closure Plan Submittal	4-Feb-91	29-Jul-91	123	=====												.	.
State Negotiations	4-Feb-91	15-Feb-91	10	■													
SOW Preparation	19-Feb-91	25-Feb-91	5	■													
Preliminary Draft Closure Plan	26-Feb-91	29-May-91	66	■													
P.D. Review	30-May-91	5-Jun-91	5				■										
Draft Publication	6-Jun-91	26-Jun-91	15				■										
State Review and Approval	27-Jun-91	29-Jul-91	22				■										
RFI Work Plan/Closure Plan Mod	1-Oct-91	7-Oct-93	509										=====				
Assess Existing Information	1-Oct-91	6-Jan-92	66										■				
Write General Site Conditions	1-Oct-91	6-Jan-92	66										■				
Develop Conceptual Model	7-Jan-92	10-Mar-92	44													■	
Determine Data Needs	11-Mar-92	28-Apr-92	35														
Develop Sampling Plan	29-Apr-92	31-Jul-92	66														
Develop Records Mgmt Plan	3-Aug-92	2-Oct-92	44														
Develop QA Plan	3-Aug-92	1-Sep-92	22														
Develop H&S Plan	3-Aug-92	1-Sep-92	22														
Write Community Relations Plan	3-Aug-92	1-Sep-92	22														
Preliminary Draft Publication	5-Oct-92	11-Feb-93	88														
P.D. (Internal) Review	12-Feb-93	26-Feb-93	10														
Working Draft RFI Work Plan	1-Mar-93	19-Mar-93	15														
W.D. (DOE) Review	22-Mar-93	30-Apr-93	30														
Draft Publication	3-May-93	21-May-93	15														
State/EPA Review	24-May-93	26-Jul-93	44														
Final Publication	27-Jul-93	7-Sep-93	30														
EPA RFI Work Plan Approval	8-Sep-93	7-Oct-93	22														
Closure Plan Mod Approval	8-Sep-93	7-Oct-93	22														
RFI	8-Oct-93	15-Apr-99	1,383														
Field Investigation	8-Oct-93	24-Dec-97	1,056														
RFI Report/Closure Plan Mod	26-Dec-97	15-Apr-99	327														
Preliminary Draft Publication	26-Dec-97	3-Jul-98	132														
P.D. (Internal) Review	7-Jul-98	20-Jul-98	10														
Working Draft Publication	21-Jul-98	19-Aug-98	22														
W.D. (DOE) Review	20-Aug-98	1-Oct-98	30														
Draft Publication	2-Oct-98	23-Oct-98	15														
State/EPA Review	26-Oct-98	1-Feb-99	66														
Final Publication	2-Feb-99	16-Mar-99	30														
EPA RFI Report Approval	17-Mar-99	15-Apr-99	22														
Closure Plan Mod Approval	17-Mar-99	15-Apr-99	22														
CMS Work Plan/Closure Plan Mod	26-Oct-98	6-Jan-00	300														
Preliminary Draft Publication	26-Oct-98	5-Apr-99	110														
P.D. (Internal) Review	6-Apr-99	12-Apr-99	5														
Working Draft Publication	13-Apr-99	12-May-99	22														
W.D. (DOE) Review	13-May-99	24-Jun-99	30														
Draft Publication	25-Jun-99	16-Jul-99	15														
State/EPA Review	19-Jul-99	20-Oct-99	66														
Final Publication	21-Oct-99	3-Dec-99	30														
EPA CMS Work Plan Approval	6-Dec-99	6-Jan-00	22														
Closure Plan Mod Approval	6-Dec-99	6-Jan-00	22														
CMS	19-Jul-99	18-Jul-01	503														
Conduct CMS	19-Jul-99	29-Feb-00	154														
CMS Report/Closure/Post-Closur	1-Mar-00	18-Jul-01	349														
Preliminary Draft Publication	1-Mar-00	5-Sep-00	132														
P.D. (Internal) Review	6-Sep-00	19-Sep-00	10														
Working Draft CMS Report	20-Sep-00	20-Oct-00	22														
W.D. (DOE) Review	23-Oct-00	5-Dec-00	30														
Draft Publication	6-Dec-00	27-Dec-00	15														
State/EPA Review	28-Dec-00	3-Apr-01	66														
Final Publication	4-Apr-01	15-May-01	30														
EPA CMS Report Approval	16-May-01	15-Jun-01	22														
Closure/Post-Closure Approval	18-Jun-01	18-Jul-01	22														

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 ■ Detail Task      ■■■ Summary Task      ▲ Milestone  
 ■ (Started)      ■■■ (Started)      ■■■ Conflict  
 ■ (Slack)      ■■■ (Slack)      ■■■ Resource delay  
 ----- Scale: 1 week per character -----





97 Apr May Jun Jul Aug Sep Oct NovDec 98 Jan FebMar Apr May Jun Jul Aug Sep Oct NovDec 99 Jan FebMar Apr May Jun Jul Aug Sep Oct

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[Grid of dots with horizontal bars indicating data points or activity across the timeline]

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