TO: G. Edelstein SW/3

FROM: Terry Koehn LMD-SW

SUBJECT–MESSAGE

— N.W. Mauthe Nov Dec 1991 Status Report

For your files/reference please note copy of the monthly status report which is attached.

REPLY

SIGNED T Koehn DATE 1-28-92

cc: J. McLimans SW/3
D. Rossberg LMD-SW
w/Att.

SENDER RETAIN THIS COPY

SIGNED _____ DATE _____

TECHNICAL STATUS REPORT
PERIOD ENDING DECEMBER 26, 1991

SITE NAME: N. W. Mauthe Company RI/FS

CH2M HILL JOB NUMBER: GLO32860.PM.PM

PREPARED BY: Jeff Keiser

DATE PREPARED: December 26, 1991

COPIES: John Fleissner/RTL
Jon Peterson/RPM

1. Progress Made This Reporting Period

Laboratories were obtained to perform the surface soil sample analyses. Samples were shipped to the U.S. EPA Central Regional Laboratory for metals analysis and to American Analytical Technical Services for cyanide analysis.

A subcontractor has been identified to perform the sewer video taping at the site. The work will be performed in January 1992.

2. Problems Resolved

Laboratories were obtained for the surface soil samples. The samples were shipped 12/16/91.

3. Problem Areas and Recommended Solutions

The task overrun from preparing the drilling specifications still exists. The tasks under budget which may offset this overrun will not register on the project summary until the tasks are closed. This overrun may affect the overall project budget if the amount cannot be made up from other tasks.

The addendum to the QAPP for surface soil sampling required CH2M HILL to sieve the samples before shipping to the laboratory. This work was not included in the original scope of work. CH2M HILL has received written permission from the WDNR to transfer money which was to be used for preparation of the addendum to the surface soil sampling task to cover the added work. The transfer will not take place until the January Invoice.

4. Activities Planned Next Reporting Period

The insurance bond and site safety plan have been received from ETI. Notice to proceed with the drilling will be issued as soon as the site safety plan has been evaluated to determine if it is compatible with CH2M HILL's SSP. Site preparation is scheduled to begin the week of January 6, 1992. Drilling is expected to begin January 13, 1992.

Video taping of the sewers will be performed in late January 1992.

5. Key Personnel Changes

None

6. Subcontractor Services

None

7. Travel

None

8. Laboratories

Surface soil samples were shipped to the Central regional laboratory for metals analysis on 12/16/91. Samples were shipped to American Analytical Technology Services for cyanide analysis on 12/16/91.

TR 1-27-92

TECHNICAL STATUS REPORT
PERIOD ENDING DECEMBER 26, 1991

SITE NAME: N. W. Mauthe Company RI/FS

CH2M HILL JOB NUMBER: GLO32860.PM.PM

PREPARED BY: Jeff Keiser

DATE PREPARED: December 26, 1991

COPIES: John Fleissner/RTL
Jon Peterson/RPM

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Laboratories were obtained to perform the surface soil sample analyses. Samples were shipped to the U.S. EPA Central Regional Laboratory for metals analysis and to American Analytical Technical Services for cyanide analysis.

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Video taping of the sewers will be performed in late January 1992.

5. Key Personnel Changes

None

6. Subcontractor Services

None

7. Travel

None

8. Laboratories

Surface soil samples were shipped to the Central regional laboratory for metals analysis on 12/16/91. Samples were shipped to American Analytical Technology Services for cyanide analysis on 12/16/91.

STATE OF WISCONSIN
REPLY MESSAGE
FORM AD-16

INSTRUCTIONS TO SENDER:
REMOVE YELLOW COPY FOR YOUR FILE.
SEND REMAINDER OF FORM INTACT WITH CARBONS TO PERSON ADDRESSED.

TO: G. Edelstein SW/3

FROM: Terry Koehn LMD-SW

SUBJECT–MESSAGE

— N.W. Mauthe Nov. Dec 1991 Status Report

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REPLY

SIGNED T Koehn DATE 1-28-92

cc: J. McLimans . SW/3
D. Rossberg LMD-SW
w/Att.

SIGNED _____ DATE _____

TECHNICAL STATUS REPORT
PERIOD ENDING NOVEMBER 24, 1991

SITE NAME:	N. W. Mauthe Company RI/FS
CH2M HILL JOB NUMBER:	GLO32860.PM.PM
PREPARED BY:	Jeff Keiser
DATE PREPARED:	December 9, 1991
COPIES:	John Fleissner/RTL Jon Peterson/RPM

1. Progress Made This Reporting Period

A prebid meeting was held for the drilling contract at the site on November 5. Questions raised at the prebid meeting were addressed in Addendum No. 1 to the drilling specifications. Addendum No. 1 was mailed to everyone on the bidders list on November 21. When the bid period closed November 29, four bids had been received. The notice of award for the bidding contract was submitted to Exploration Technology, Inc., on December 7. ETI's bid for the project was $110,802.

The City of Appleton sewer videotape records were reviewed on November 5. Information available on the storm and sanitary sewers around the site is limited. CH2M HILL has requested bids for videotaping the sanitary and storm sewers along Melvin and Outagamie Streets as outlined in the scope of work.

Surface soil samples were collected at the site on December 2. The locations of samples SS1, SS2, and SS8 were moved closer to the site because of higher than anticipated detection limits for the hexachrome analysis. It is thought that moving the sample locations closer to the site will increase the likelihood of finding contamination.

2. Problems Resolved

Approval of the QAPP Addendum delayed the scheduled collection of surface soil samples. The QAPP Addendum was approved and surface soils collected December 2. The delay is not expected to affect the overall project schedule.

3. Problem Areas and Recommended Solutions

A task overrun of about $6,000 is expected in preparing the drilling documents. The overrun may affect the overall project budget if the amount cannot be made up from other tasks. The projected overrun is less than 1 percent of the overall budget. The tasks under budget that may offset the overrun will not register on the project summary until the tasks are closed.

The QAPP Addendum for surface soil sampling requires CH2M HILL to sieve the samples before shipping them to the laboratory. This work not included in the original scope of work. CH2M HILL proposed transferring money available in the Work Plan task for preparing the QAPP Addendum to the surface soil sampling task to cover the added scope. Terry Koehn agreed to the proposed solution orally and will follow with approval in writing.

Problems have been encountered in obtaining laboratory space for the surface soil samples collected on December 2. The Central Regional Laboratory has questions regarding the drying of surface soil samples for sieving and then analyzing for cyanide. The CRL will not assign laboratory space until these questions are answered.

4. Activities Planned Next Reporting Period

The notice to proceed with the drilling contract will be awarded after receipt of insurance bonds and site safety plan from ETI. Surface soil samples that have been collected will be shipped to a laboratory when the laboratory is assigned.

5. Key Personnel Changes

Bernice Aument will be the hydrogeologist onsite for soil boring and well installation starting in January.

6. Subcontractor Services

None.

7. Travel

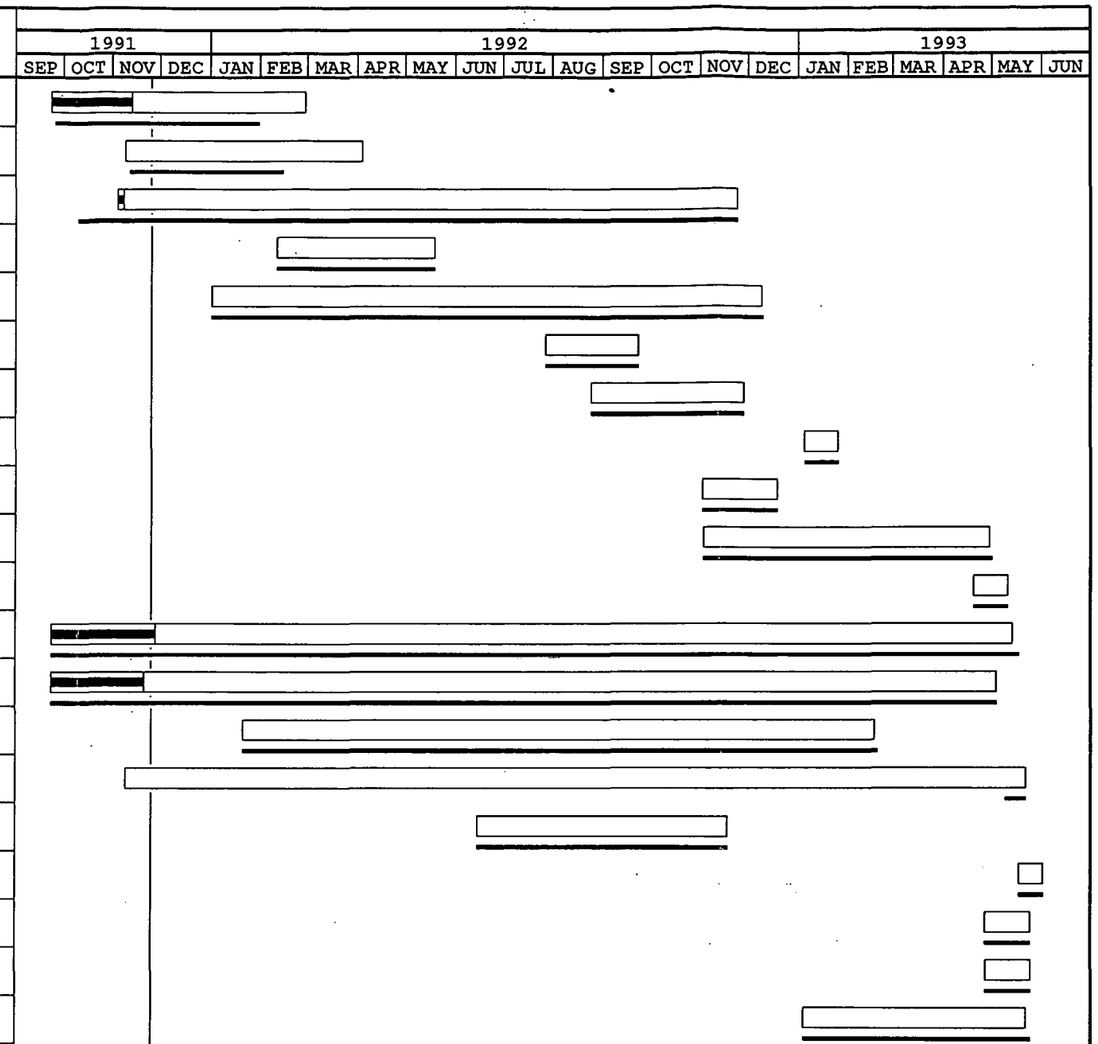
Jeff Keiser and Jim Russell of CH2M HILL met Terry Koehn at the site on November 15 for the drilling prebid meeting. Jeff Keiser and Gina Bayer/CH2M HILL performed surface soil sampling at the site on December 2.

8. Laboratories

None.

GLT260/029.51

TASK		ACT%	EARLY START	EARLY FINISH
TASK 1	PREMOBILIZATION	32	23SEP91A	28FEB92
TASK 2	SITE PREPARATION	0	9NOV91A	3APR92
TASK 3	FIELD ACTIVITIES	1	4NOV91A	23NOV92
TASK 4	INVESTIGATIVE WASTE MANAGEMENT	0	11FEB92	18MAY92
TASK 5	TECHNICAL MEMORANDA	0	2JAN92	8DEC92
TASK 6	RISK ASSESSMENT	0	28JUL92	22SEP92
TASK 7	DRAFT RI REPORT	0	25AUG92	27NOV92
TASK 8	FINAL RI REPORT	0	5JAN93	25JAN93
TASK 9	ALTERNATIVES ARRAY DOCUMENT	0	2NOV92	18DEC92
TASK 10	DRAFT FS REPORT	0	3NOV92	29APR93
TASK 11	(AGENCY REVIEW DRAFT) FS REPORT	0	20APR93	10MAY93
TASK 12	MEETINGS	11	23SEP91A	13MAY93
TASK 13	PROJECT MANAGEMENT	10	23SEP91A	3MAY93
TASK 14	PROJECT QA/QC PEER REVIEW	0	21JAN92	16FEB93
TASK 15	WORK PLAN MODIFICATION	0	9NOV91A	21MAY93
TASK 16	DATA VALIDATION	0	15JUN92	17NOV92
TASK 17	PROJECT CLOSEOUT	0	18MAY93	1JUN93
TASK 18	RISK ASSESSMENT TECH MEMO (OPTIONAL)	0	27APR93	24MAY93
TASK 19	WASTE DISPOSAL (OPTIONAL)	0	27APR93	24MAY93
TASK 20	COMMUNITY RELATIONS SUPPORT (OPTIONAL)	0	4JAN93	21MAY93



Summary Bar/ Early Dates
Critical Designator
Progress Bar
Target Dates as of 23SEP91

Primavera Systems, Inc. 1984-1991

Sheet 1 of 1

N.W. MAUTHE RI/FS

PROJECT SUMMARY SCHEDULE

Project Start : 23SEP91
Project Finish: 1JUN93

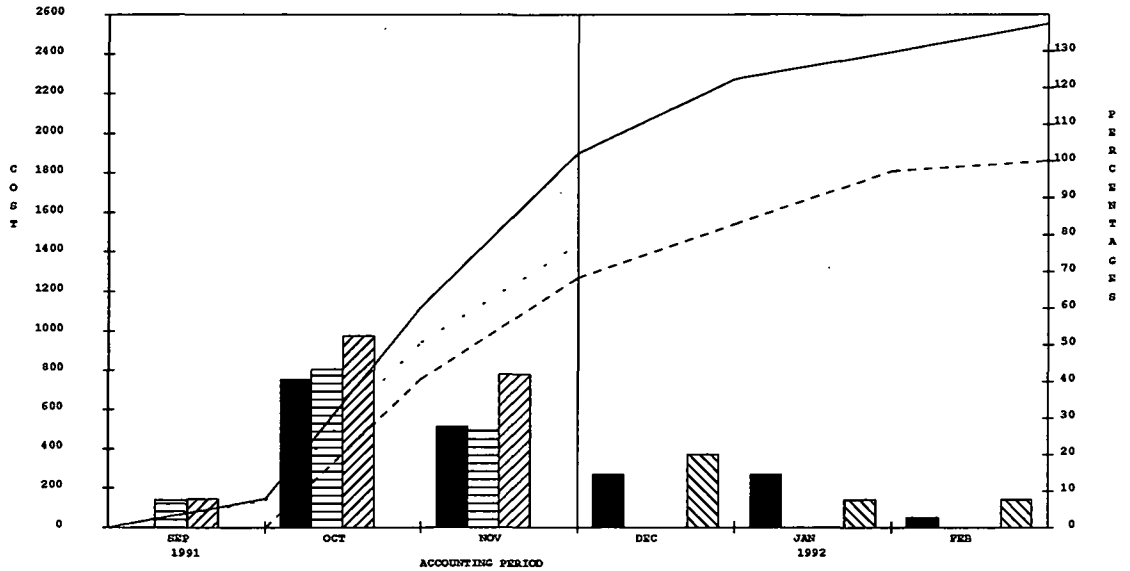
Data Date: 25NOV91
Plot Date: 6DEC91

Date	Revision	Checked	Approved

PERFORMANCE CURVE

TASK 1 PREMOBILISATION

Status Date: 25NOV91



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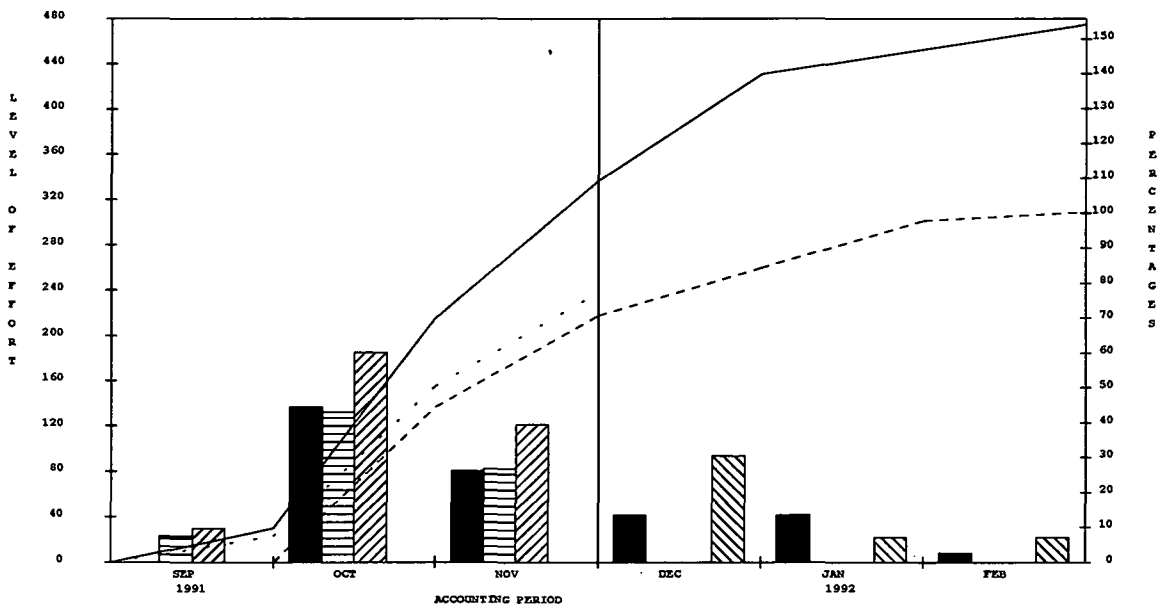
Page 1A of 1A

PERFORMANCE CURVE

TASK 1 PREMOBILISATION

Status Date: 25NOV91



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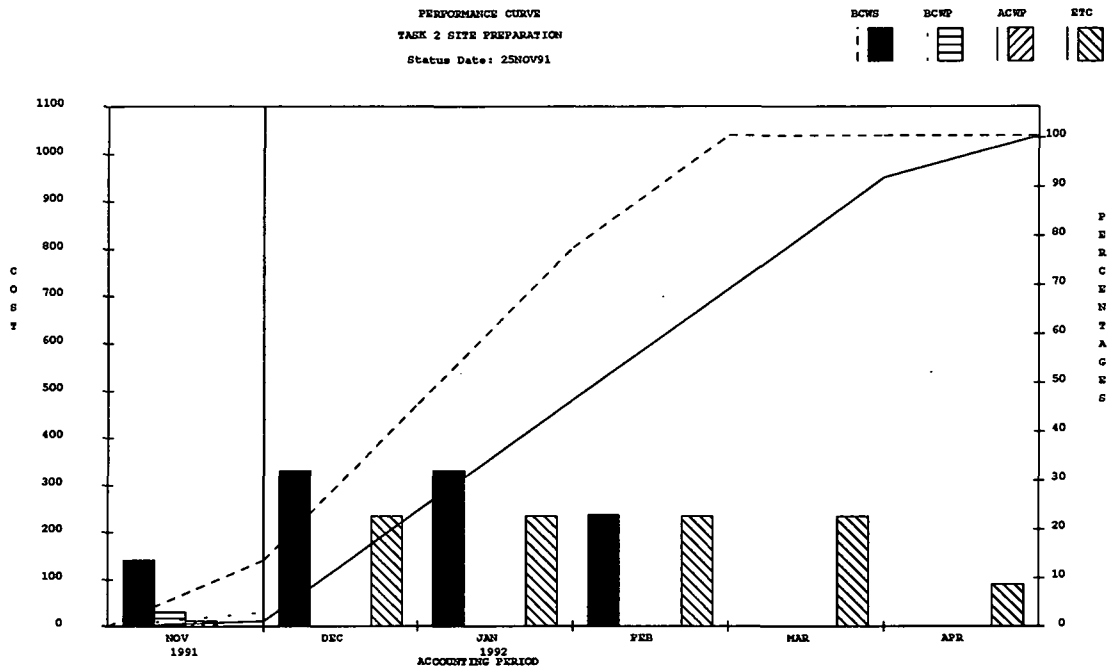
Page 1A of 1A

PERFORMANCE CURVE

TASK 2 SITE PREPARATION

Status Date: 25NOV91



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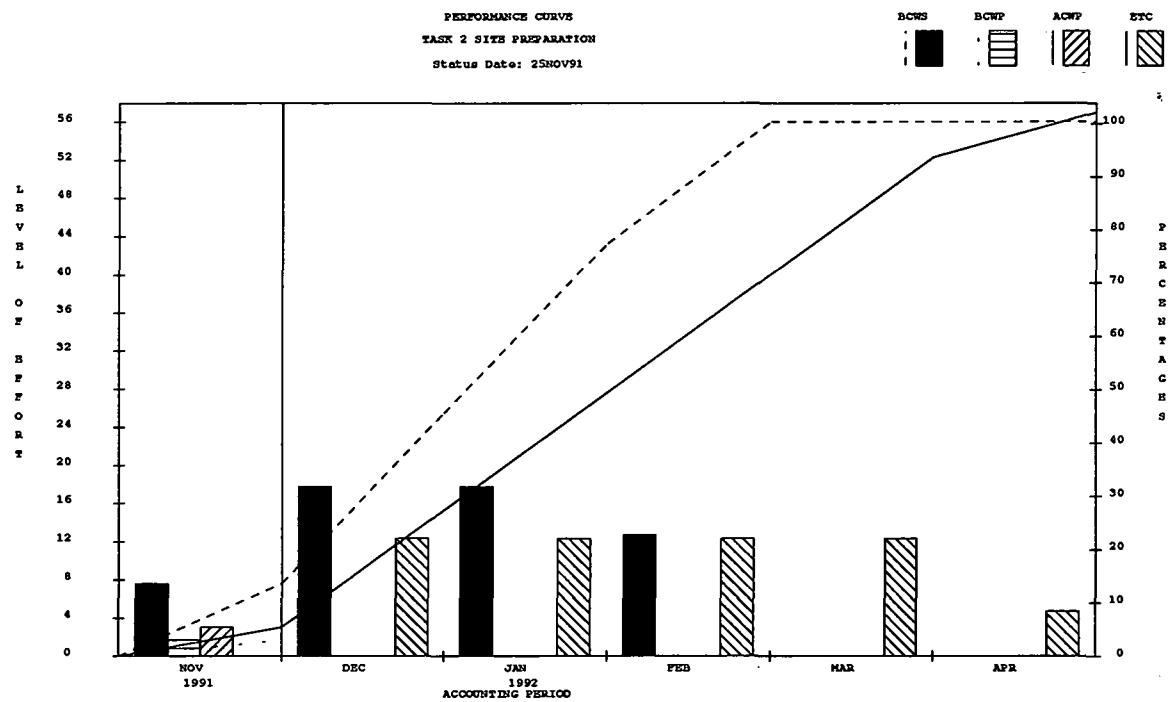
Page 1A of 1A

PERFORMANCE CURVE

TASK 2 SITE PREPARATION

Status Date: 25NOV91



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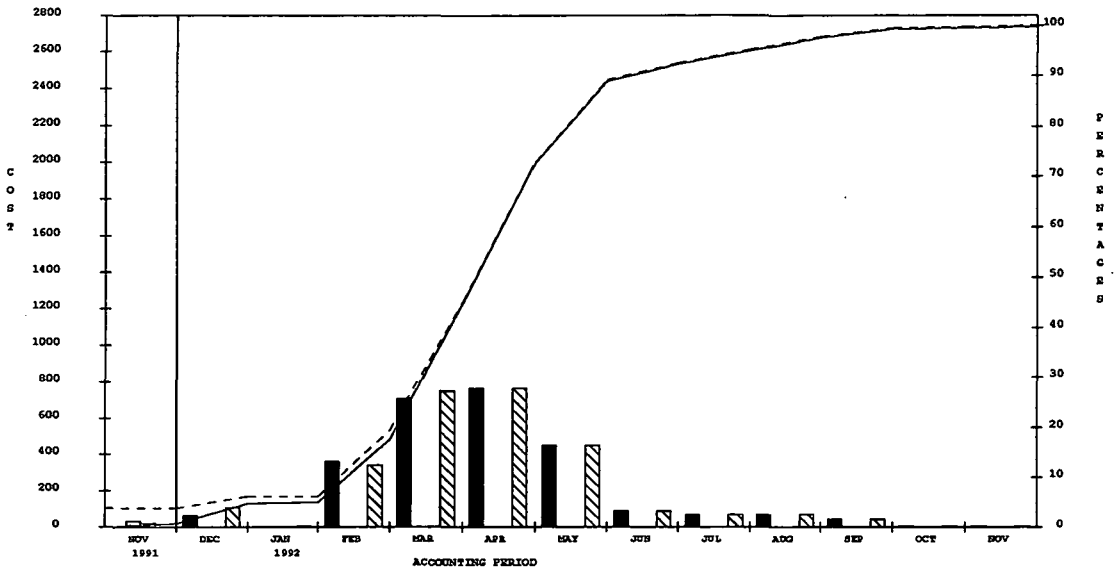
Page 1A of 1A

PERFORMANCE CURVE

TASK 3 FIELD ACTIVITIES

Status Date: 25NOV91



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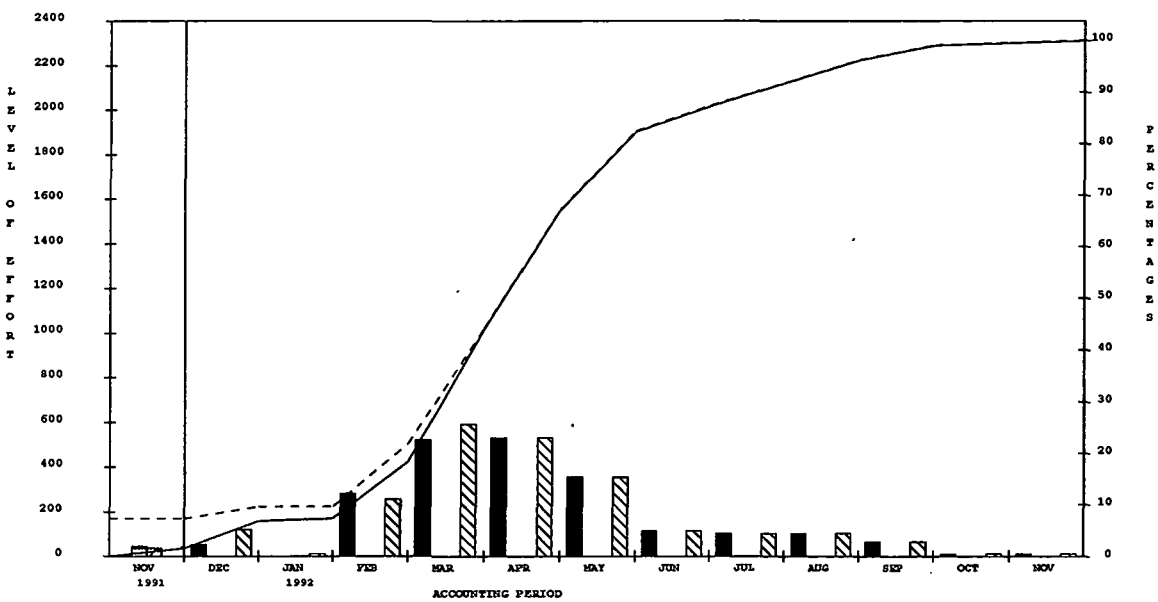
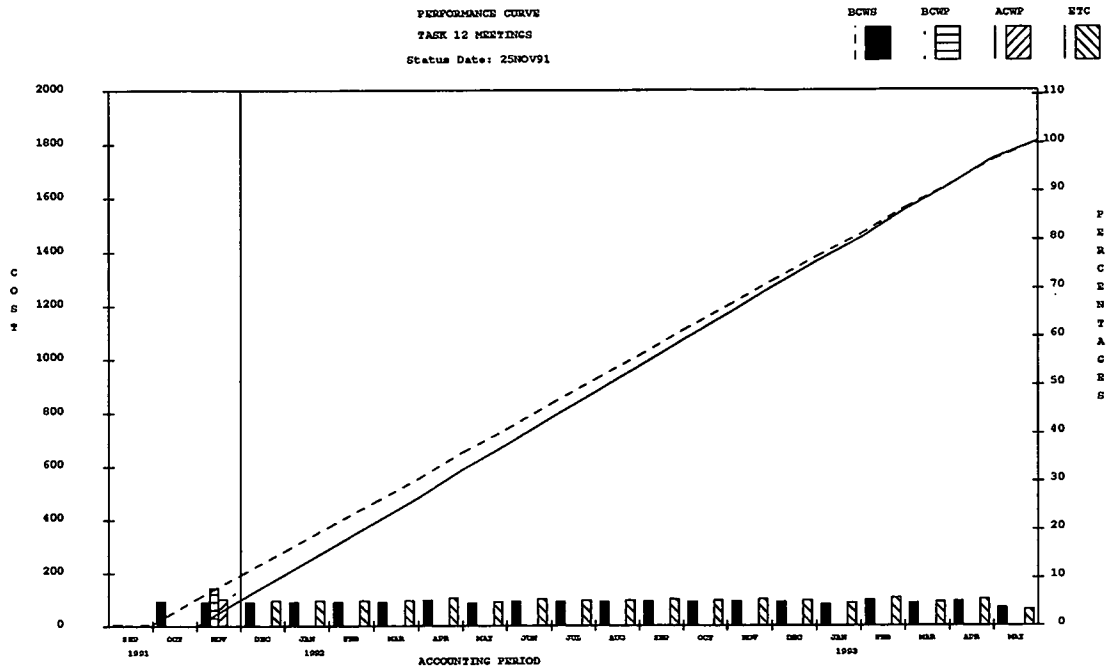
PERFORMANCE CURVE

TASK 3 FIELD ACTIVITIES

Status Date: 25NOV91



Scale 1: 1



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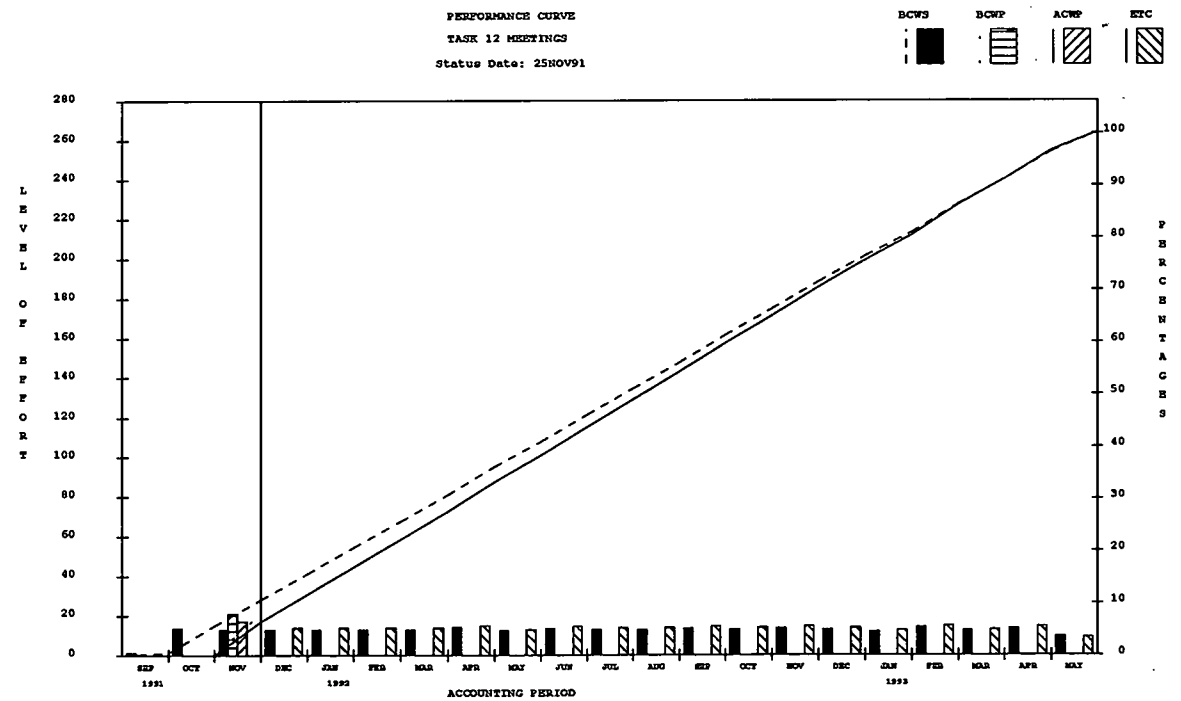
Page 1A of 1A



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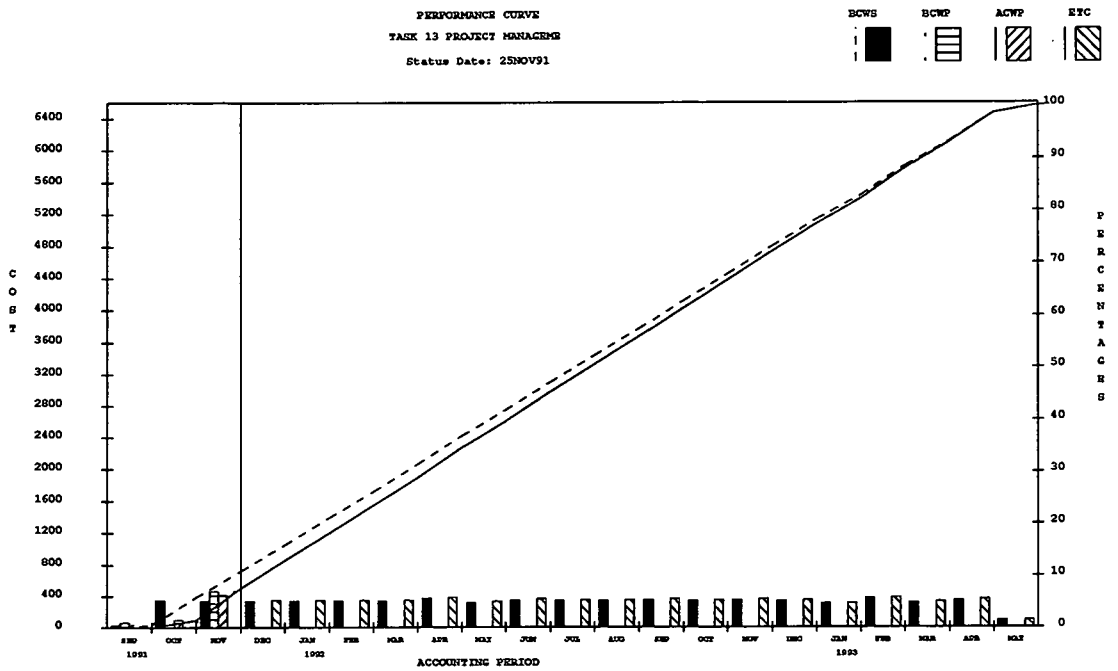
Page 1A of 1A

PERFORMANCE CURVE

TASK 13 PROJECT MANAGEME

Status Date: 25NOV91



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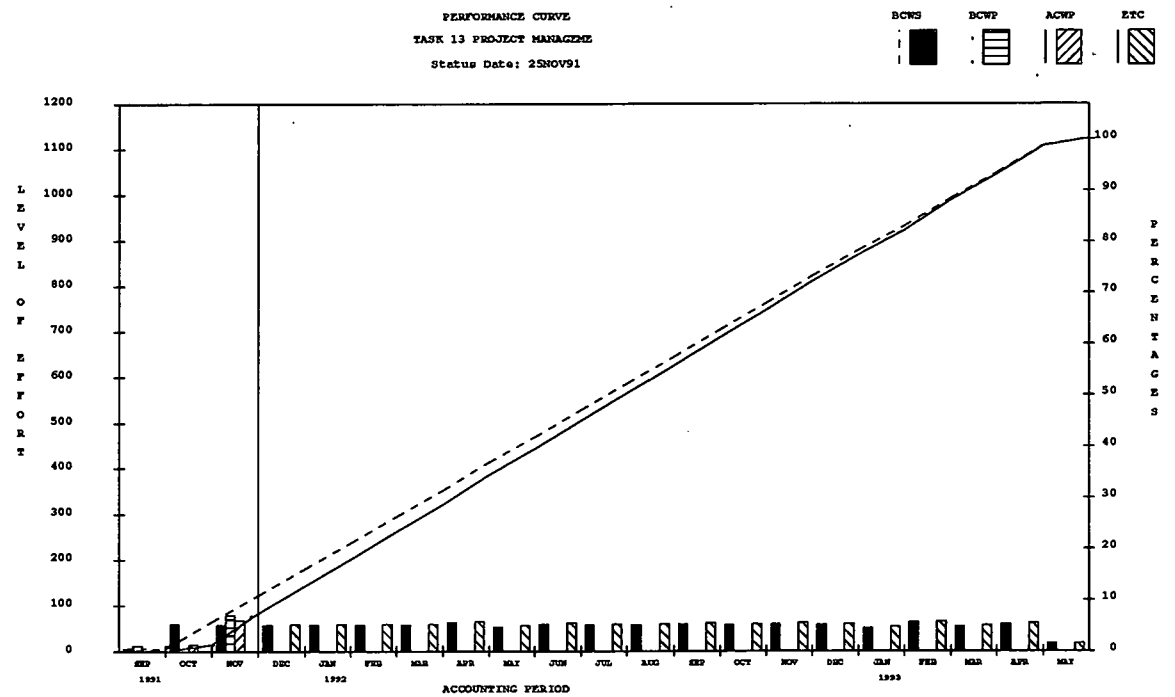
PERFORMANCE CURVE

TASK 13 PROJECT MANAGEME

Status Date: 25NOV91



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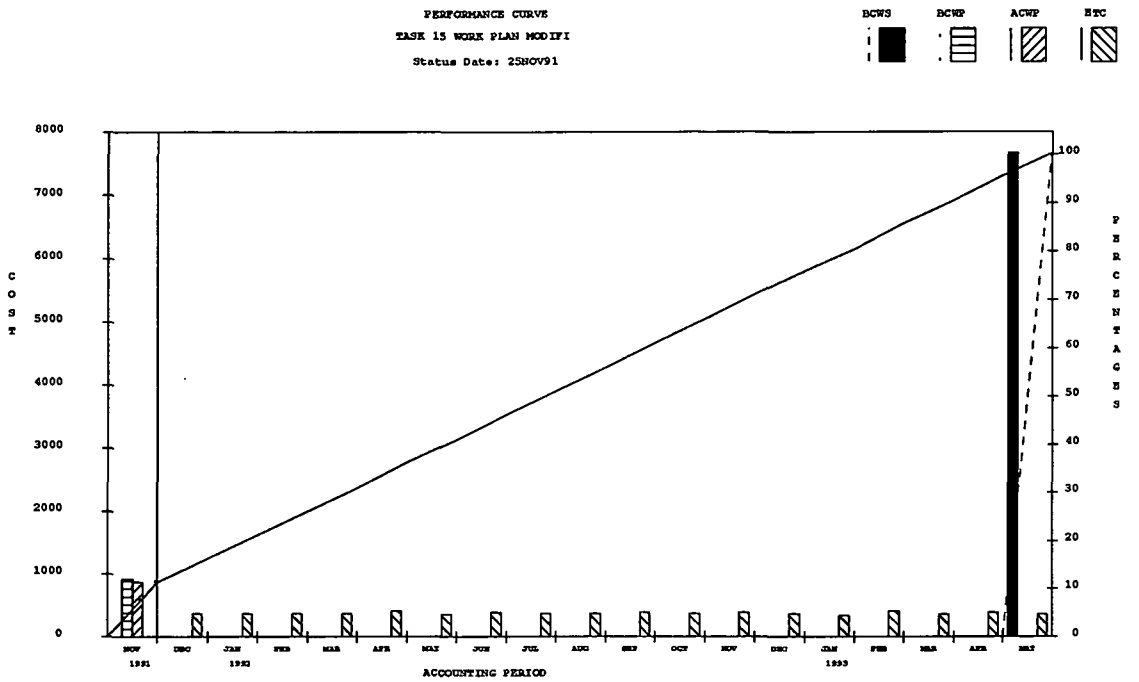
PERFORMANCE CURVE

TASK 15 WORK PLAN MODIFI

Status Date: 25NOV91



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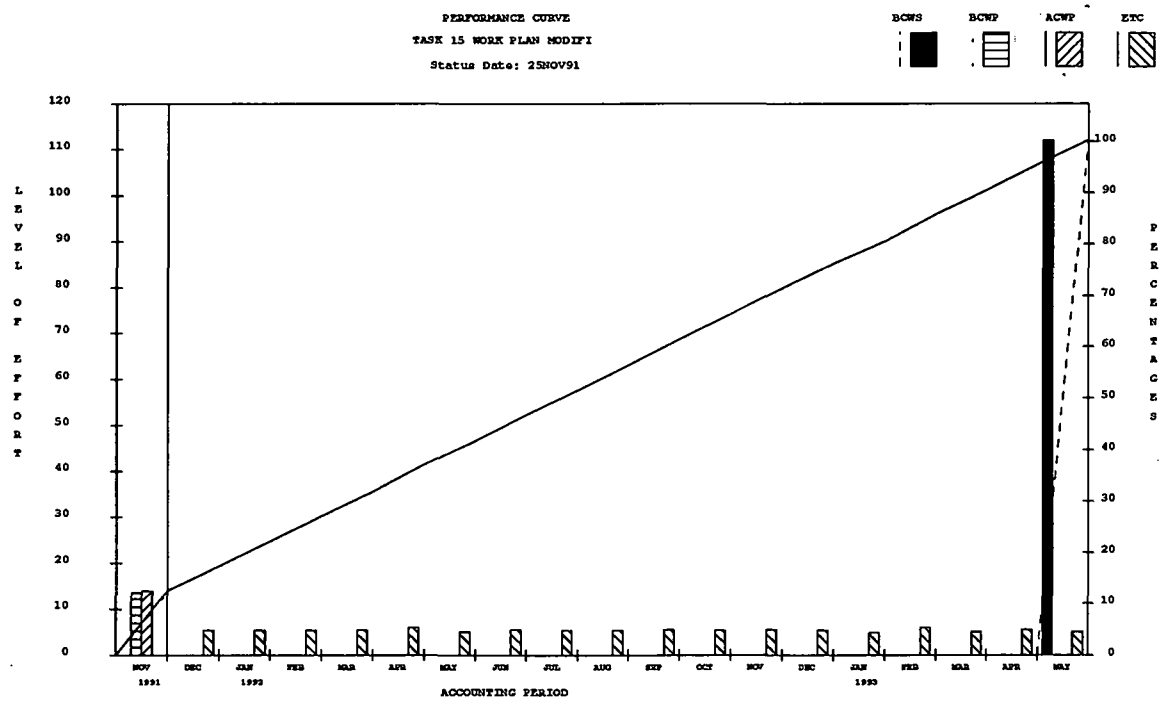
PERFORMANCE CURVE

TASK 15 WORK PLAN MODIFI

Status Date: 25NOV91



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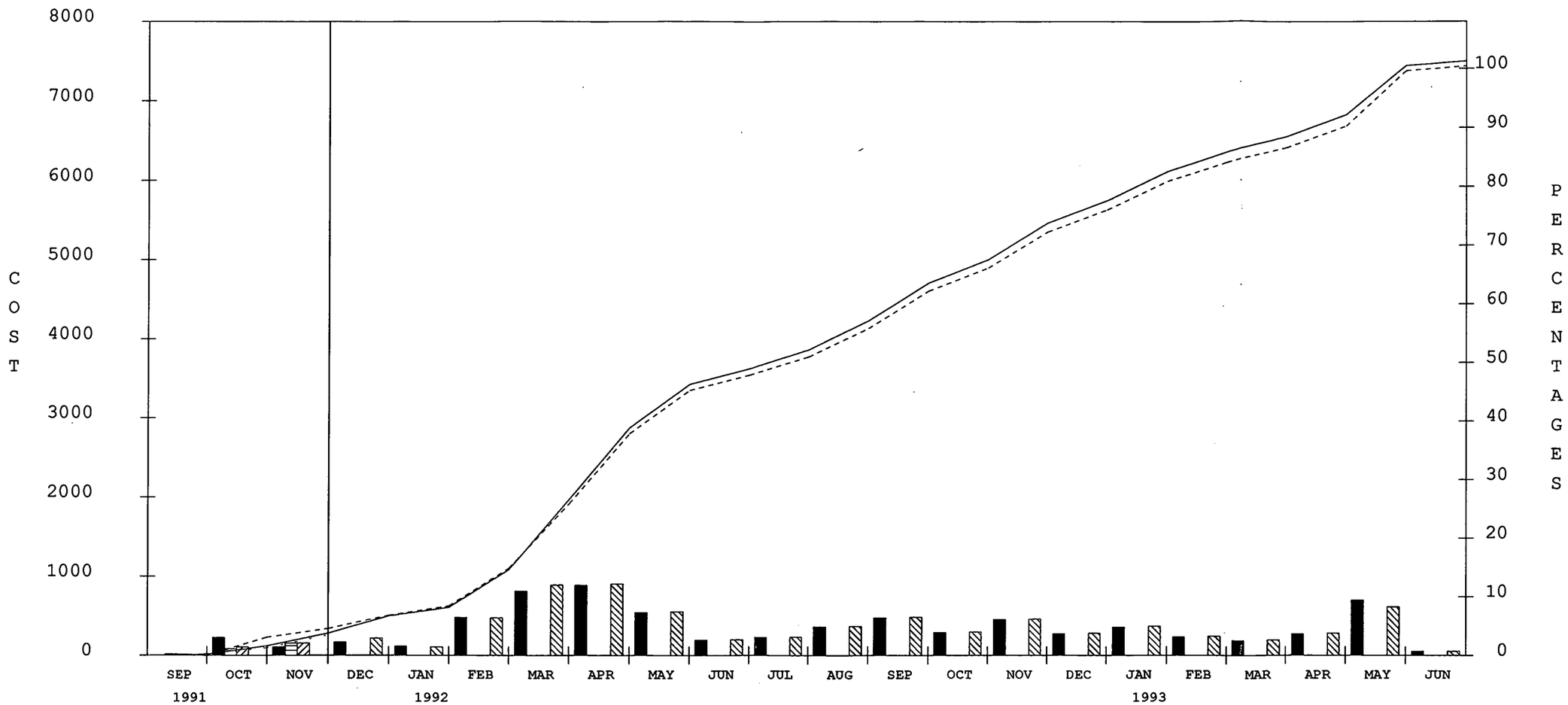
PERFORMANCE CURVE

N.W.MAUTHE RI/FS-SUMMARY

Status Date: 25NOV91



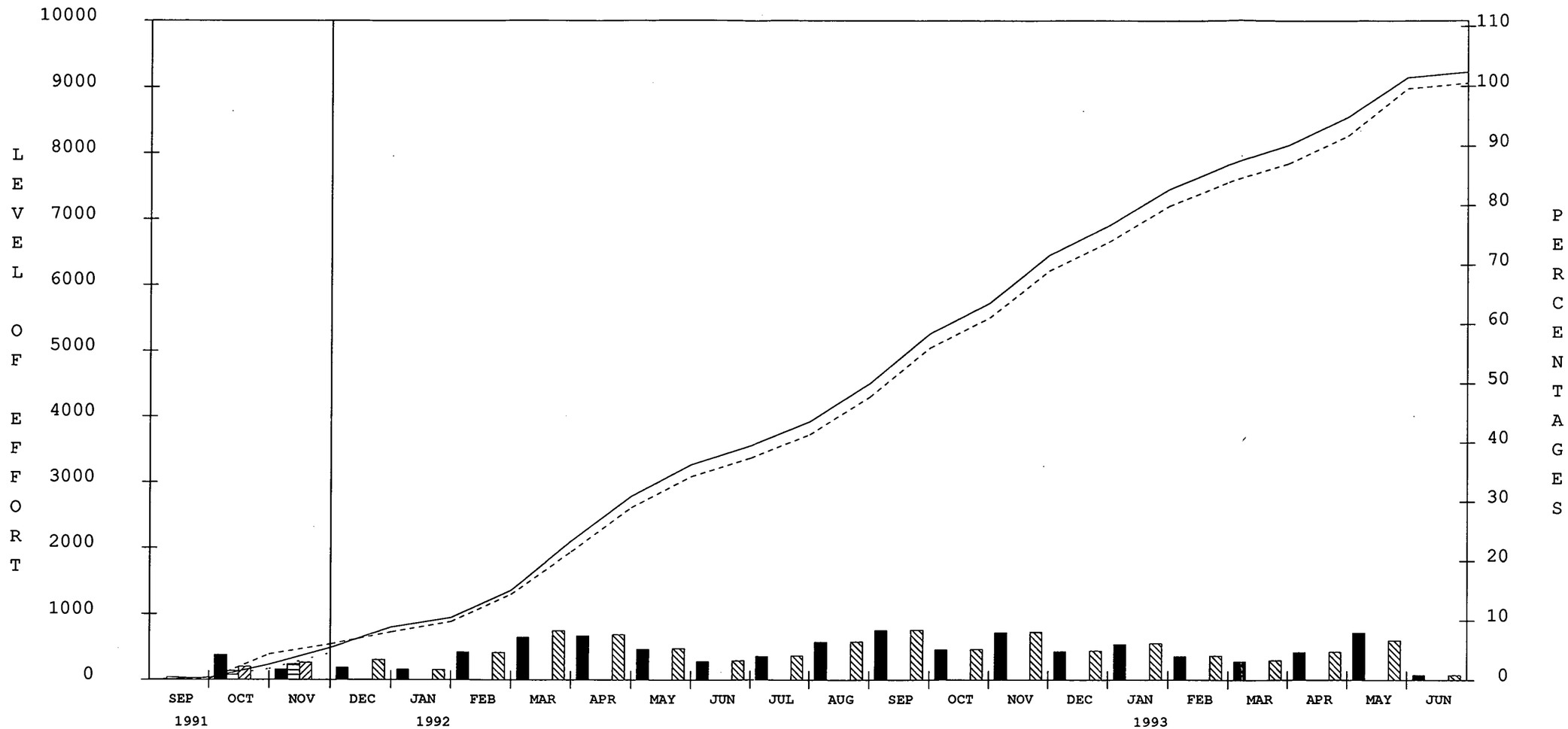
	SEP 1991	OCT	NOV	DEC	JAN 1992	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN 1993	FEB	MAR	APR	MAY	JUN
BCWS	4	226	108	168	117	477	816	886	546	193	229	363	475	289	455	276	362	235	187	272	694	55
BCWP	20	80	156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACWP	15	107	160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ETC	0	0	0	218	109	473	891	901	552	199	234	369	481	295	461	281	368	242	194	279	614	55
CUM BCWS	4	230	338	506	624	1101	1917	2803	3349	3542	3771	4134	4609	4899	5353	5629	5990	6226	6413	6684	7378	7433
CUM BCWP	20	101	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257
CUM ACWP	15	122	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281
LRE	15	122	281	499	608	1082	1972	2874	3426	3624	3859	4228	4709	5004	5465	5746	6114	6356	6550	6828	7442	7497

Scale 1: 100

PERFORMANCE CURVE

N.W.MAUTHE RI/FS-SUMMARY

Status Date: 25NOV91



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BCWP	35	132	242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACWP	30	200	259	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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CUM BCWS	7	385	544	728	881	1299	1943	2615	3085	3366	3723	4295	5045	5504	6220	6655	7201	7559	7845	8262	8977	9057
CUM BCWP	35	167	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409
CUM ACWP	30	230	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489
LRE	30	230	489	796	944	1358	2104	2789	3267	3558	3923	4504	5262	5730	6456	6900	7456	7824	8120	8547	9145	9225

Scale 1: 1

11-13-91

Technical Status Report
Period Ending October 24, 1991

SITE NAME:	N. W. Mauthe Company RI/FS
CH2M HILL JOB NUMBER:	GLO32860.PM.PM
PREPARED BY:	Jeff Keiser
DATE PREPARED:	November 9, 1991
COPIES:	John Fleissner/RTL Jon Peterson/RPM

1. Progress Made This Reporting Period

Written authorization to proceed was received from the DNR September 23. The project schedule was adjusted to reflect the actual start date.

Work has begun on the contract documents for drilling. The documents are expected to be completed in early November. A prebid meeting is scheduled for November 15. A survey of the existing wells was performed on November 5.

Firms capable of videotaping the storm and sanitary sewers have been identified. The City of Appleton has completed videotaping most of the sanitary sewers in the city and has started videotaping the storm sewers. Bids will not be solicited until after the November 15 prebid meeting when the project team will determine if the required information is available from the City of Appleton.

Filing and billing systems have been developed.

The start of site preparation activities has been delayed until the drilling contract is awarded. The drilling contractor will be responsible for site preparation.

2. Problems Resolved

None.

3. Problem Areas and Recommended Solutions

A task overrun of about $2,000 is expected in preparing the drilling documents. The overrun is not expected to affect the overall budget because project startup and site preparation tasks are currently under budget. The tasks under budget will not register on the project summary until the tasks are closed.

The surface soil sampling activities have been delayed until the Quality Assurance Project Plan addendum being prepared by Jon Peterson/ U.S. EPA is approved. This delay is not expected to affect the overall schedule.

4. Activities Planned Next Reporting Period

The drilling prebid meeting is scheduled for November 15. Bids for the drilling at the site are due November 29. Bids for videotaping the storm and sanitary sewers will be solicited. Results of the existing well survey will be submitted to the DNR.

5. Key Personnel Changes

None

6. Subcontractor Services

None

7. Travel

Jeff Keiser/CH2M HILL and David Shekoski/CH2M HILL met Project Manager Terry Koehn/DNR at the site on November 5 for an initial site visit and to perform the survey of the existing wells.

8. Laboratories

None.

GLT245/043.51

TASK		ACT%	EARLY START	EARLY FINISH
TASK 1	PREMOBILIZATION	37	23SEP91A	20DEC91
TASK 2	SITE PREPARATION	0	6JAN92	3APR92
TASK 3	FIELD ACTIVITIES	0	4NOV91	23NOV92
TASK 4	INVESTIGATIVE WASTE MANAGEMENT	0	11FEB92	18MAY92
TASK 5	TECHNICAL MEMORANDA	0	2JAN92	8DEC92
TASK 6	RISK ASSESSMENT	0	28JUL92	22SEP92
TASK 7	DRAFT RI REPORT	0	25AUG92	27NOV92
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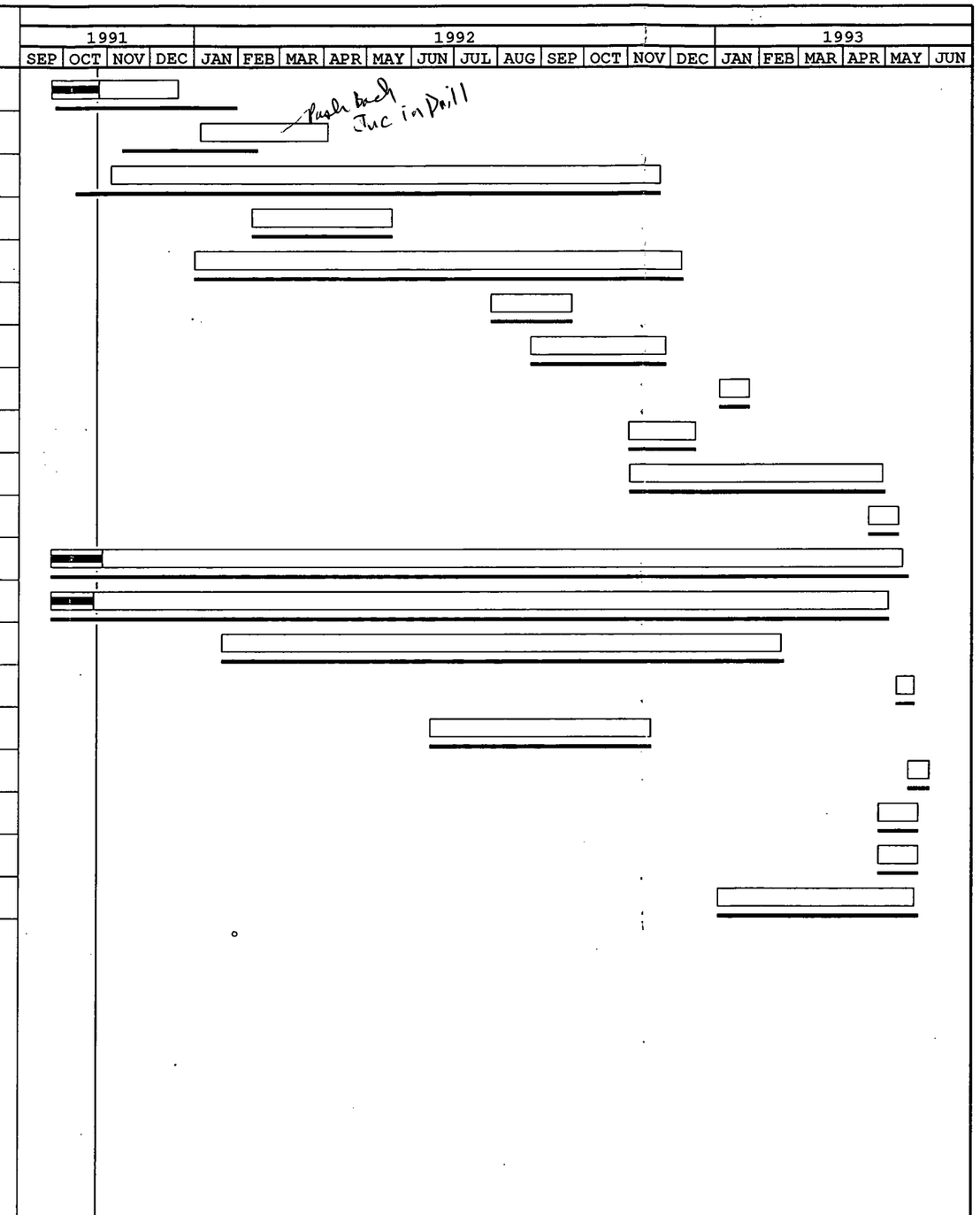
TASK 9	ALTERNATIVES ARRAY DOCUMENT	0	2NOV92	18DEC92
TASK 10	DRAFT FS REPORT	0	3NOV92	29APR93
TASK 11	(AGENCY REVIEW DRAFT) FS REPORT	0	20APR93	10MAY93
TASK 12	MEETINGS	6	23SEP91A	13MAY93
TASK 13	PROJECT MANAGEMENT	5	23SEP91A	3MAY93
TASK 14	PROJECT QA/QC PEER REVIEW	0	21JAN92	16FEB93
TASK 15	WORK PLAN MODIFICATION	0	10MAY93	21MAY93
TASK 16	DATA VALIDATION	0	15JUN92	17NOV92
TASK 17	PROJECT CLOSEOUT	0	18MAY93	1JUN93
TASK 18	RISK ASSESSMENT TECH MEMO (OPTIONAL)	0	27APR93	24MAY93
TASK 19	WASTE DISPOSAL (OPTIONAL)	0	27APR93	24MAY93
TASK 20	COMMUNITY RELATIONS SUPPORT (OPTIONAL)	0	4JAN93	21MAY93



Summary Bar/ Early Dates
Critical Designator
Progress Bar
Target Dates as of 23SEP91

Primavera Systems, Inc. 1984-1991

Project Start : 23SEP91
Project Finish: 1JUN93

N.W. MAUTHE RI/FS
PROJECT SUMMARY SCHEDULE

Sheet 1 of 1

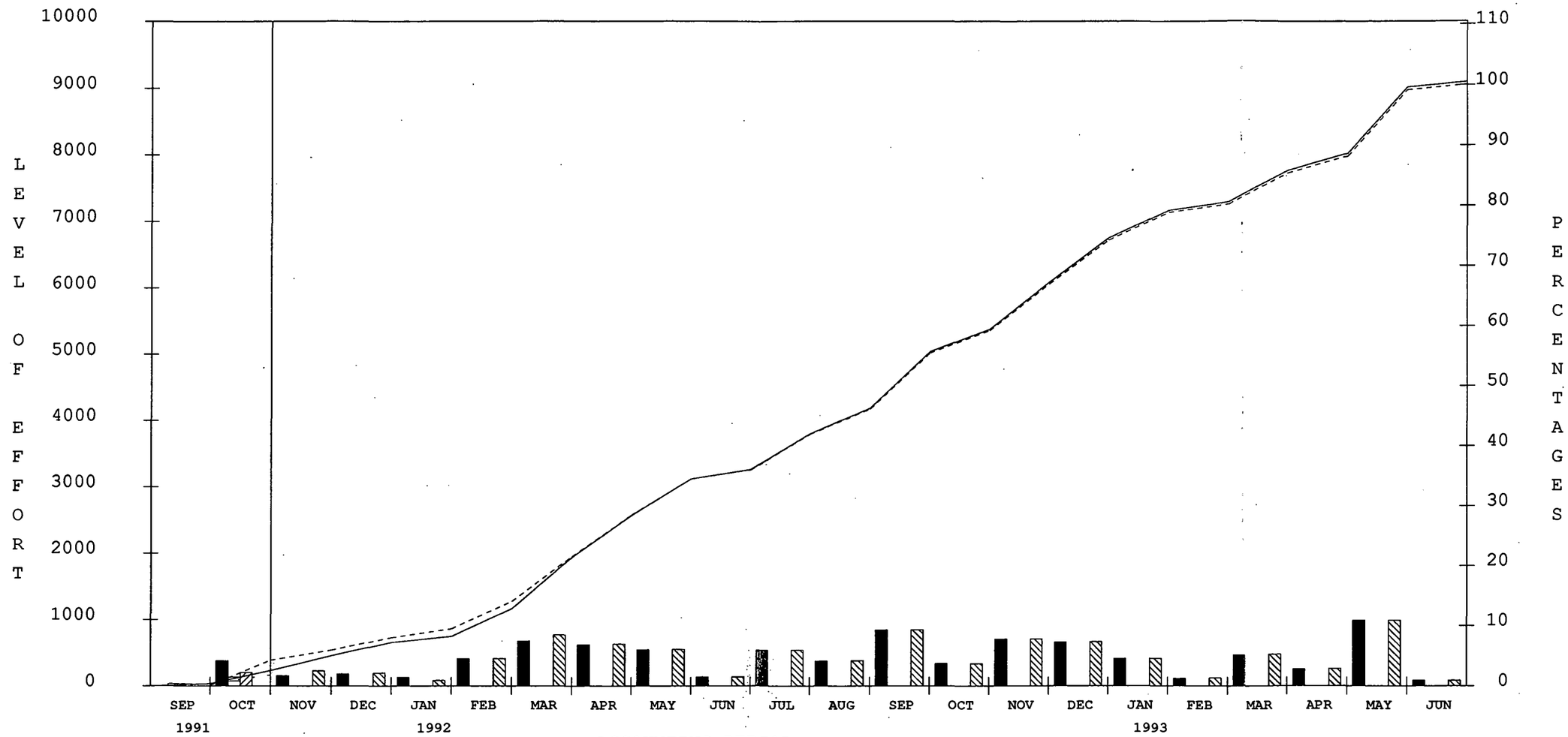
Data Date: 25OCT91
Plot Date: 6NOV91

Date	Revision	Checked	Approved

PERFORMANCE CURVE

N.W.MAUTHE RI/FS-SUMMARY

Status Date: 25OCT91



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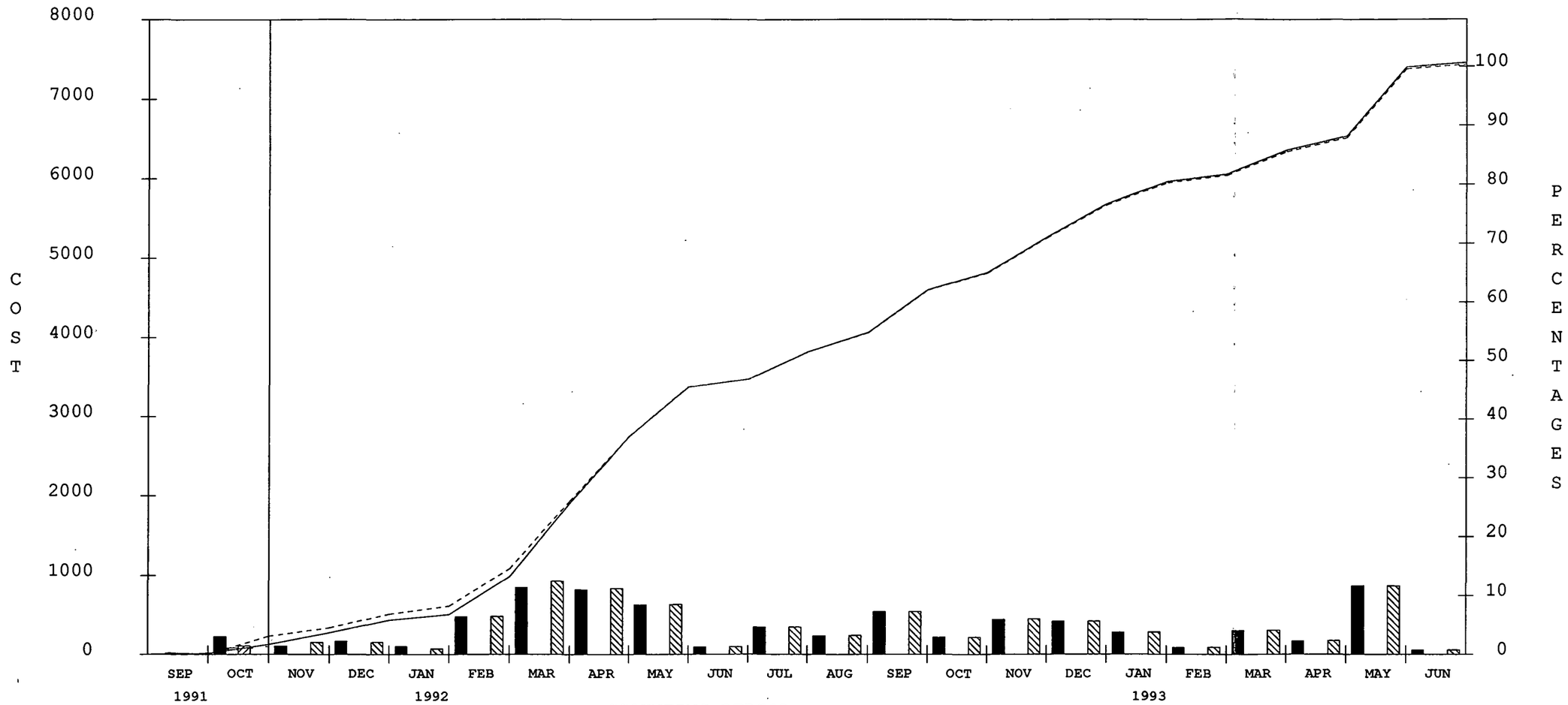
BCWP	35	132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACWP	30	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ETC	0	0	230	198	89	420	774	632	550	140	545	384	849	340	710	667	417	121	476	256	991	80
CUM BCWS	7	385	544	728	860	1279	1955	2576	3123	3259	3800	4179	5024	5360	6066	6729	7142	7260	7733	7985	8977	9057
CUM BCWP	35	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167
CUM ACWP	30	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
LRE	30	230	460	658	747	1167	1941	2573	3124	3263	3808	4192	5041	5380	6090	6757	7174	7295	7771	8028	9019	9099

Scale 1: 1

PERFORMANCE CURVE

N.W.MAUTHE RI/FS-SUMMARY

Status Date: 25OCT91



	SEP 1991	OCT	NOV	DEC	JAN 1992	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN 1993	FEB	MAR	APR	MAY	JUN
BCWS	4	226	108	168	104	473	846	819	626	96	348	238	539	214	447	416	280	87	302	171	865	55
BCWP	20	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACWP	15	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ETC	0	0	153	158	70	480	925	834	628	99	350	241	541	216	450	419	282	89	304	173	864	55
CUM BCWS	4	230	338	506	611	1084	1930	2749	3375	3472	3819	4058	4597	4811	5258	5674	5954	6042	6343	6514	7378	7433
CUM BCWP	20	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101
CUM ACWP	15	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122
LRE	15	122	274	432	502	983	1908	2742	3371	3469	3820	4060	4602	4818	5268	5686	5968	6058	6361	6535	7398	7453

Scale 1: 100

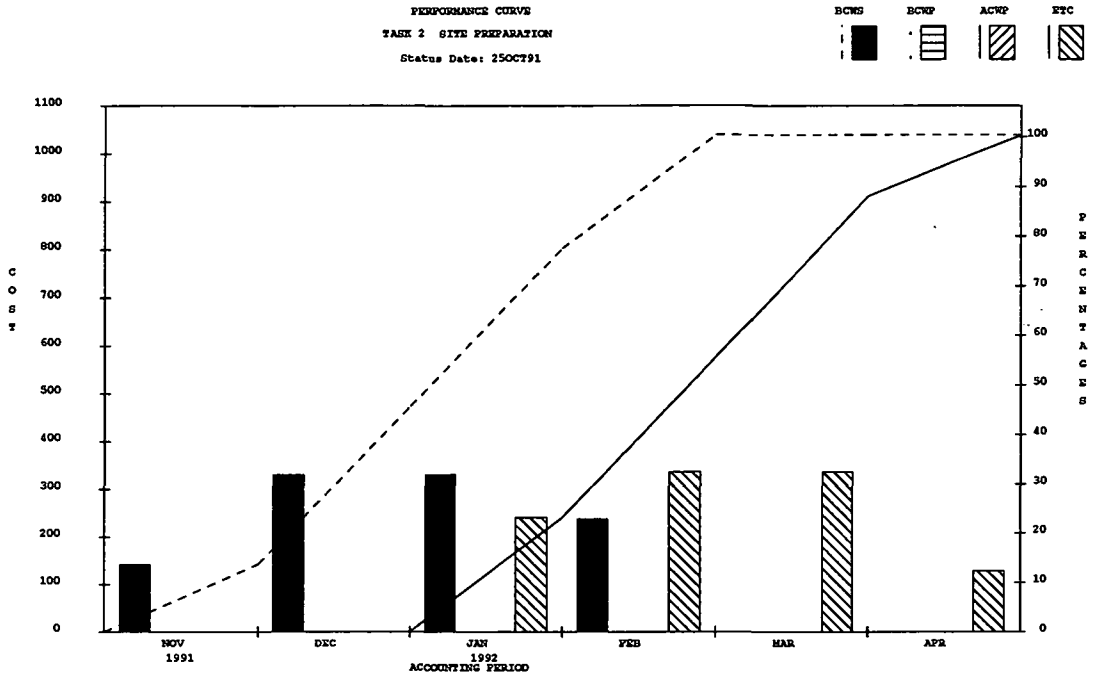
Definitions of Acronyms used on the Project and Task Summary Charts.

ETC	-Estimate to Complete
BCWS	-Budgeted Cost of Work Scheduled
BCWP	-Budgeted Cost of Work Performed
ACWP	-Actual Cost of Work Performed
LRE	-Latest Revised Estimate

PERFORMANCE CURVE

TASK 2 SITE PREPARATION

Status Date: 25OCT91



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PERFORMANCE CURVE

TASK 2 SITE PREPARATION

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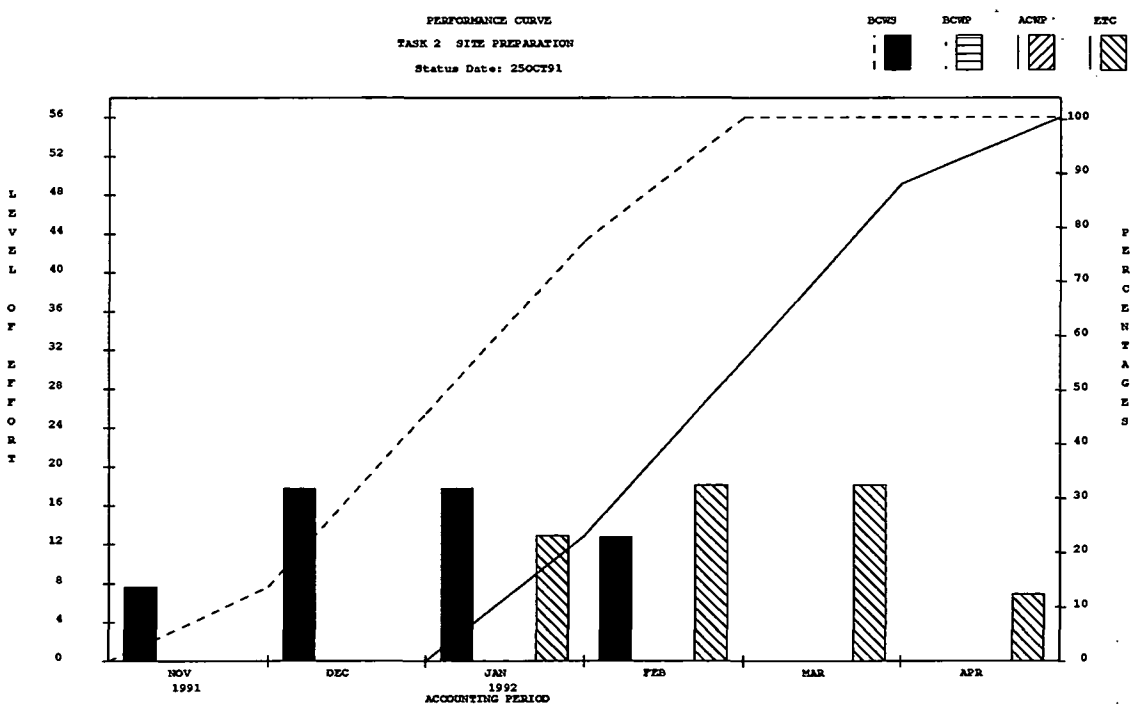

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PERFORMANCE CURVE

TASK 1 PREMOBILIZATION

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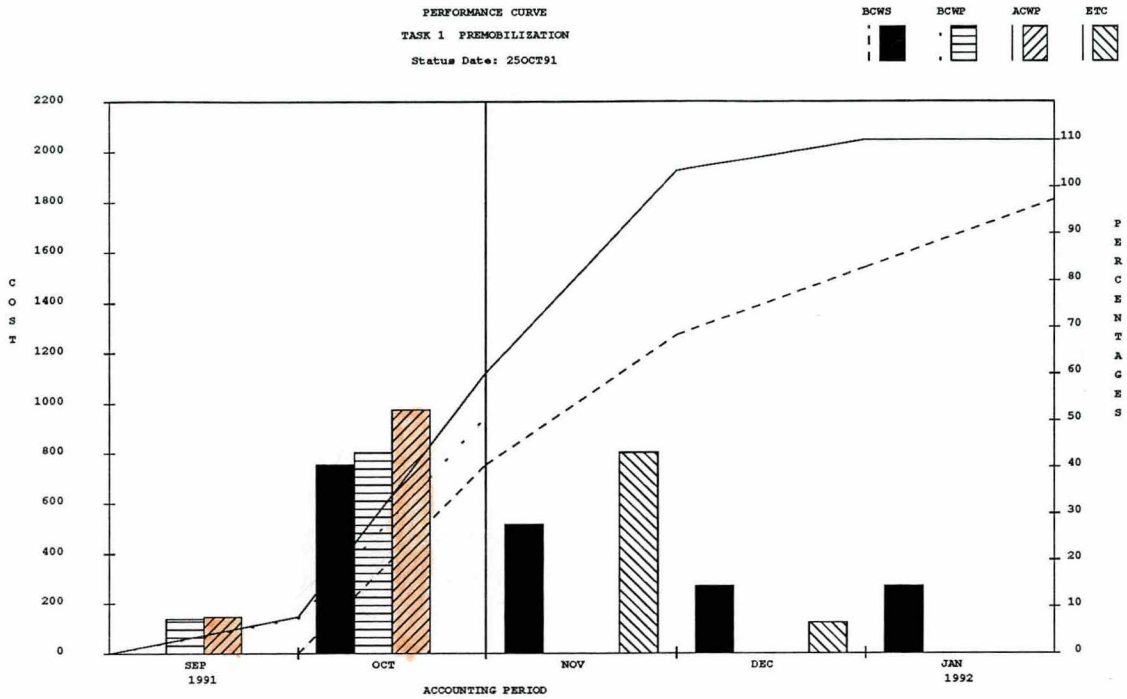

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PERFORMANCE CURVE

TASK 1 PREMOBILIZATION

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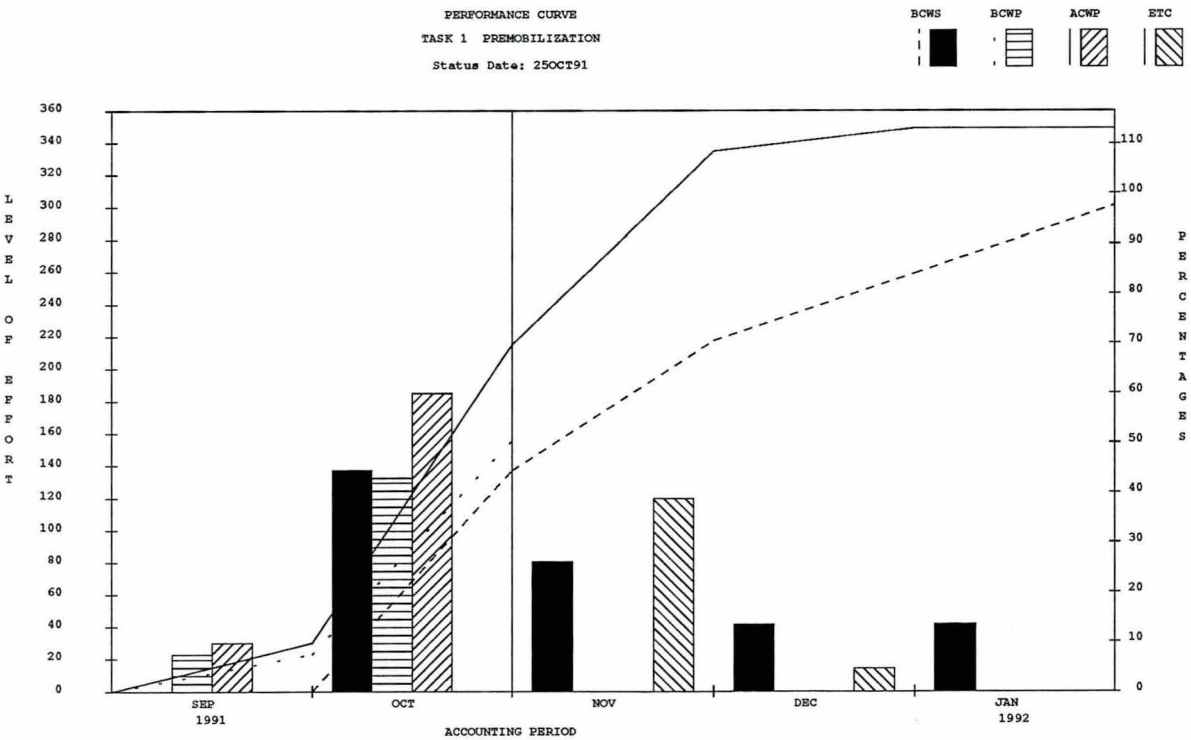

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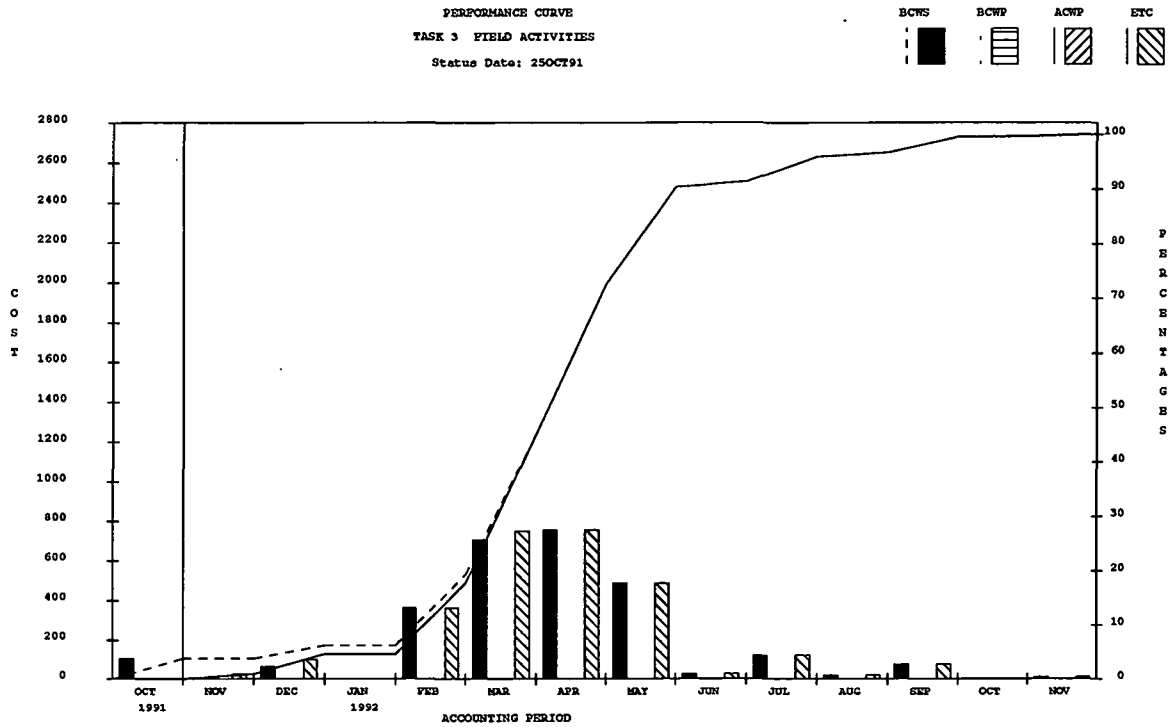
PERFORMANCE CURVE

TASK 3 FIELD ACTIVITIES

Status Date: 25OCT91



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PERFORMANCE CURVE

TASK 3 FIELD ACTIVITIES

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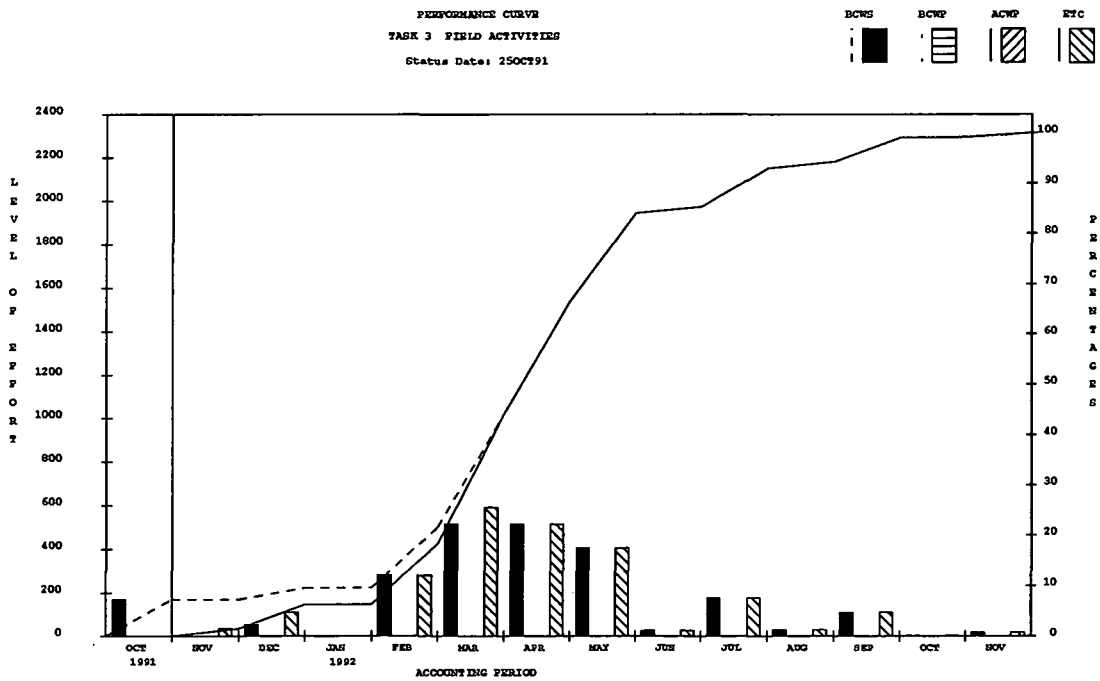

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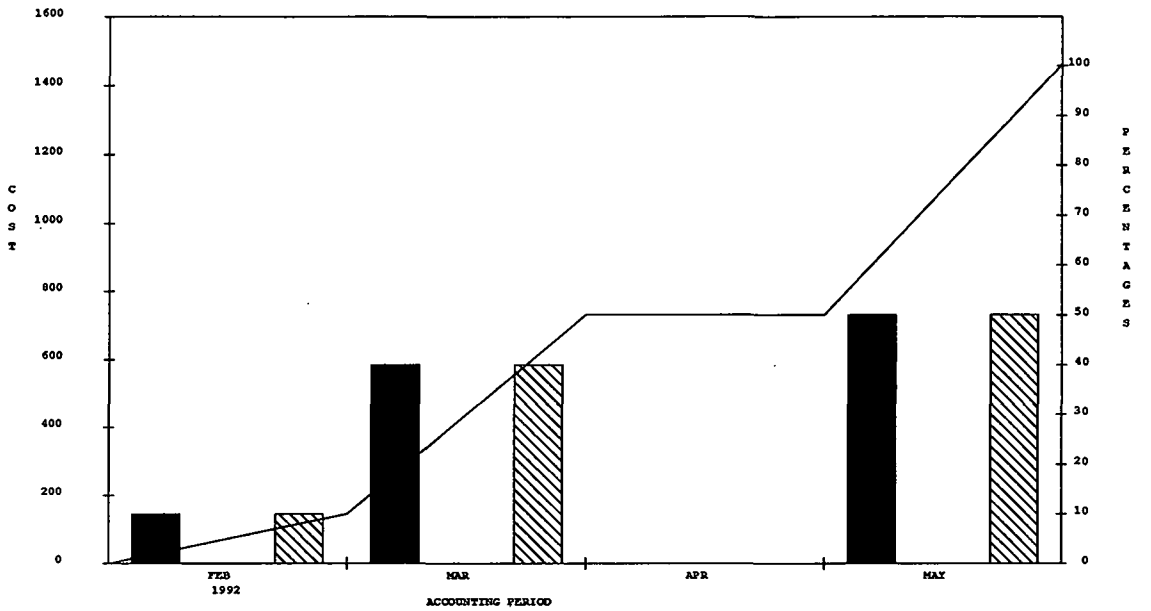
PERFORMANCE CURVE

TASK 4 INVESTIGATIVE WA

Status Date: 25OCT91



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PERFORMANCE CURVE

TASK 4 INVESTIGATIVE WA

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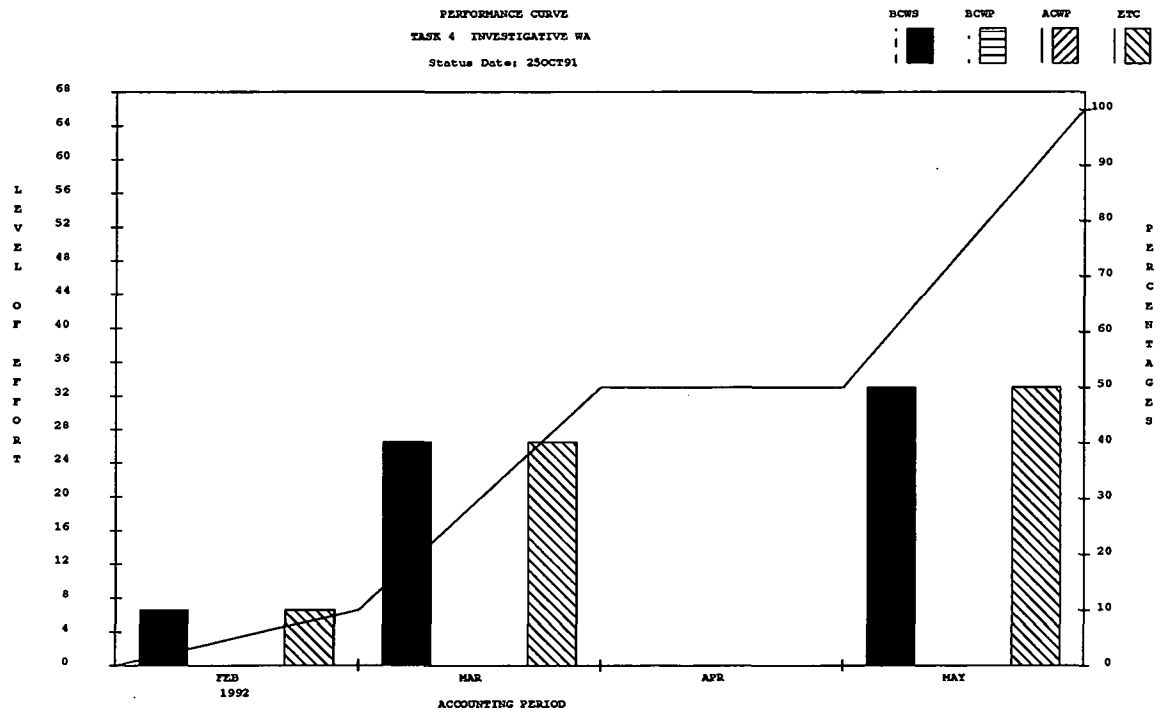

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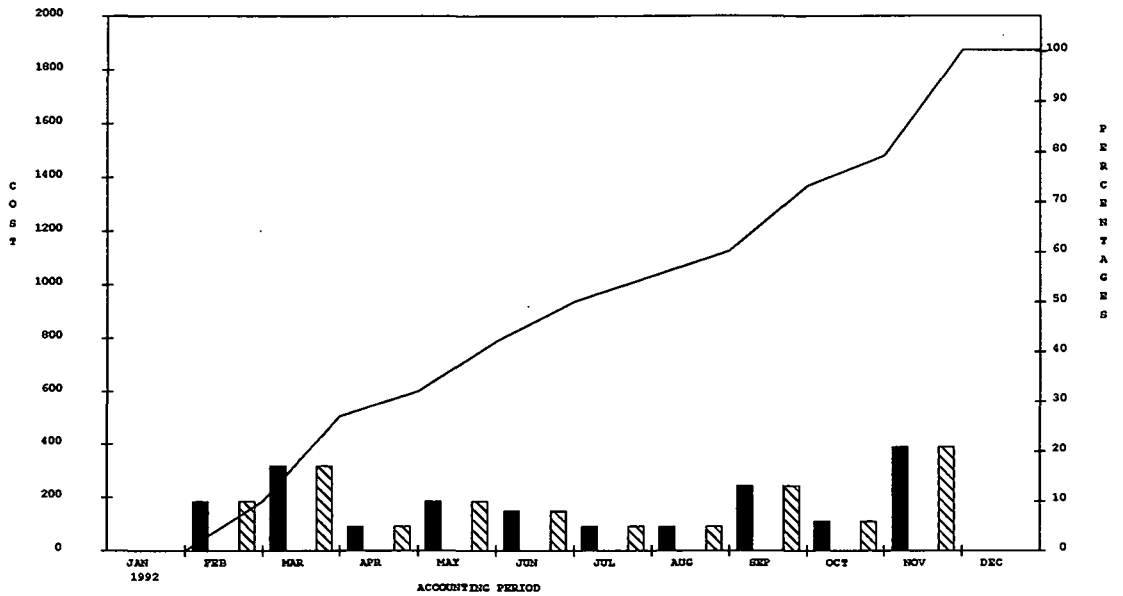
PERFORMANCE CURVE

TASK 5 TECHNICAL MEMORA

Status Date: 25OCT91



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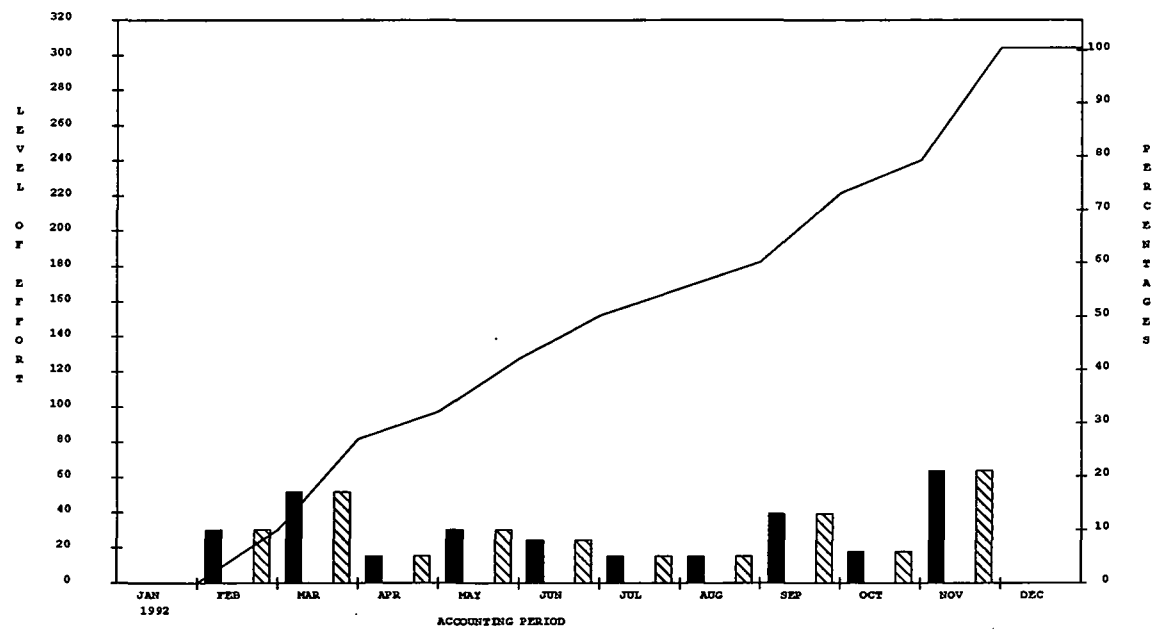
PERFORMANCE CURVE

TASK 5 TECHNICAL MEMORA

Status Date: 25OCT91



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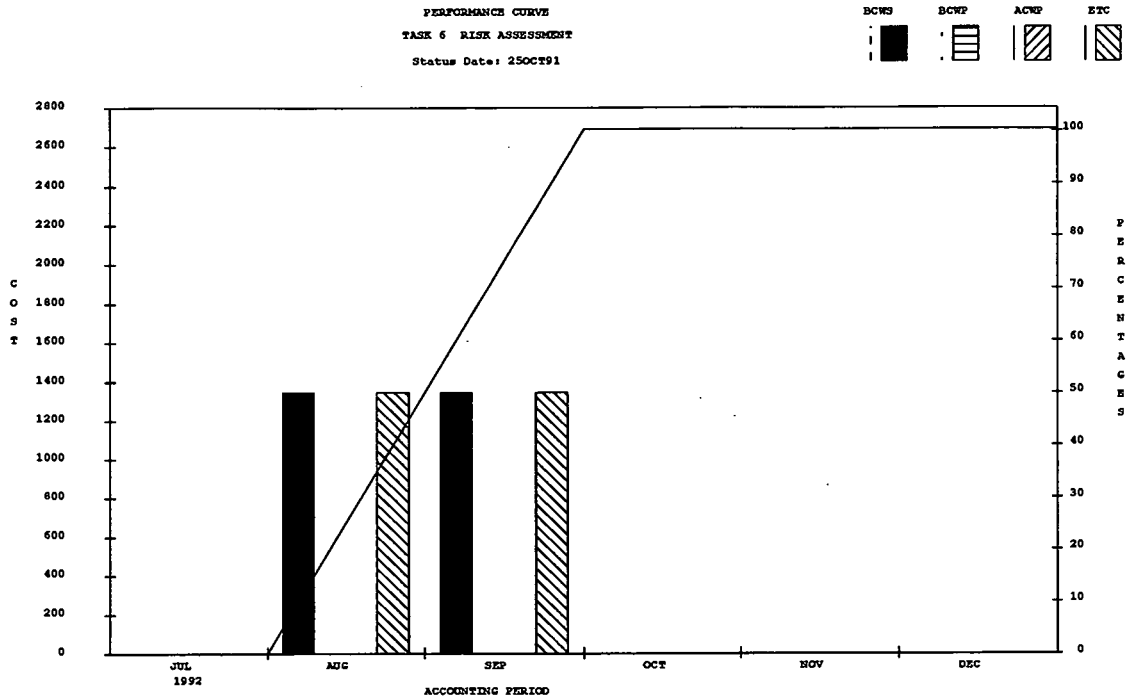
PERFORMANCE CURVE

TASK 6 RISK ASSESSMENT

Status Date: 25OCT91



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PERFORMANCE CURVE

TASK 6 RISK ASSESSMENT

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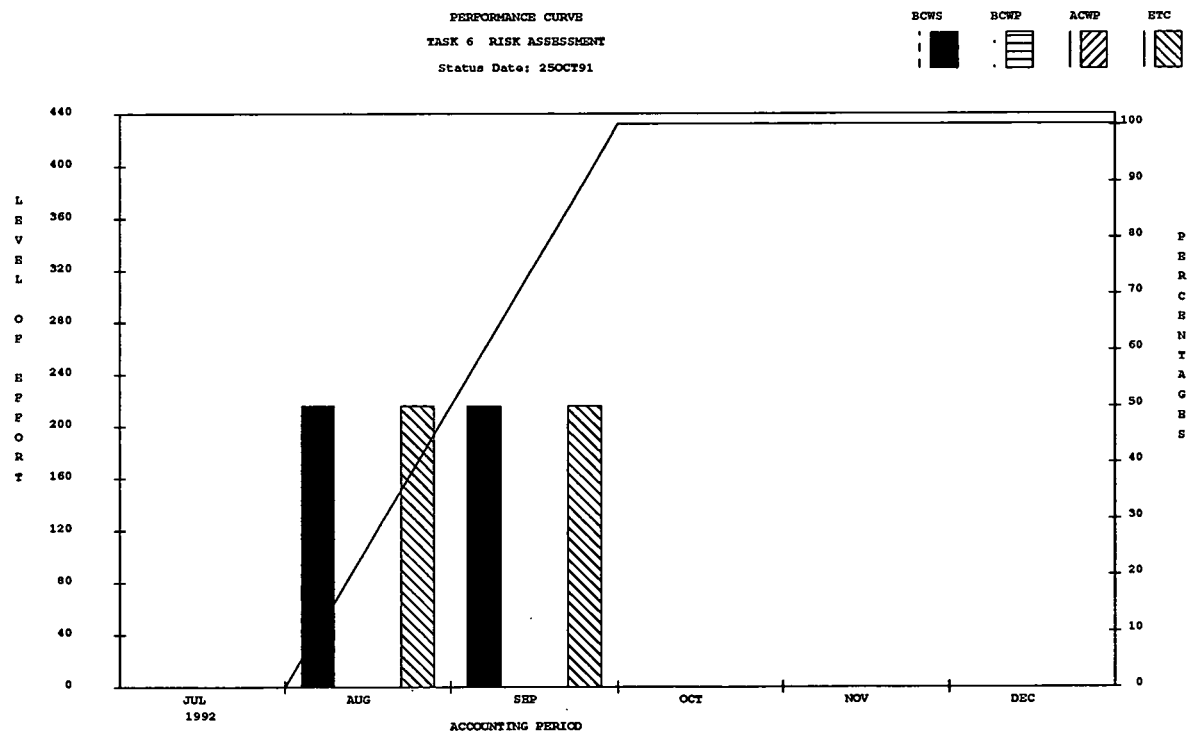

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PERFORMANCE CURVE

TASK 7 DRAFT RI REPORT

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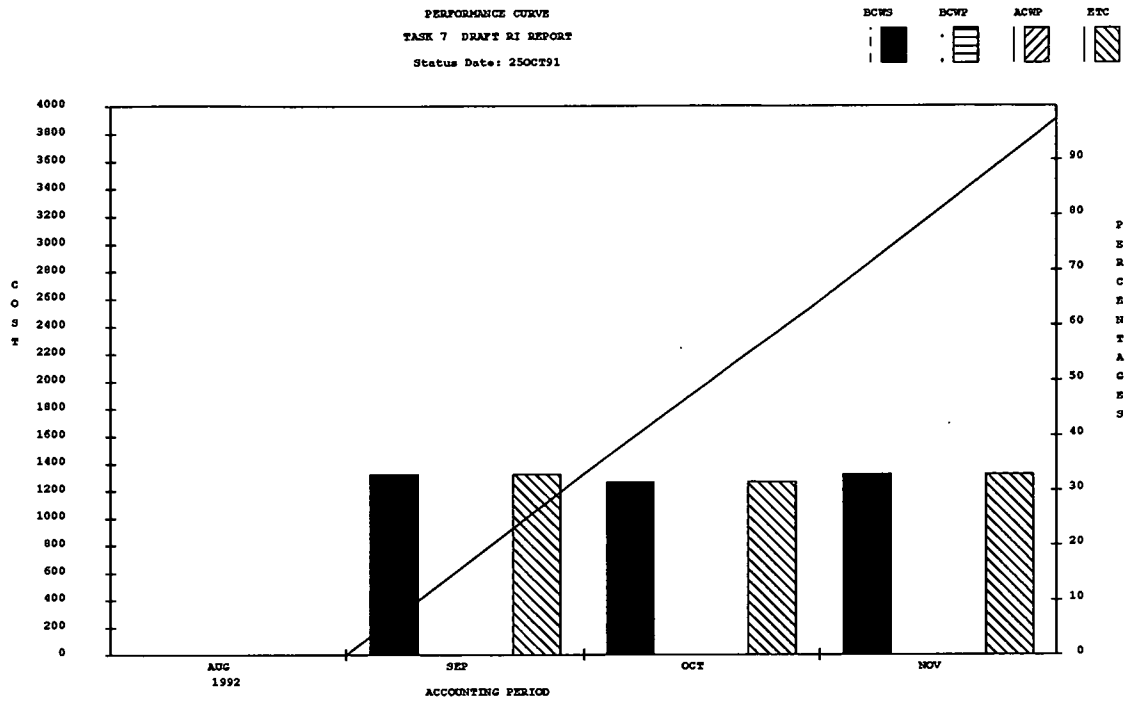

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PERFORMANCE CURVE

TASK 7 DRAFT RI REPORT

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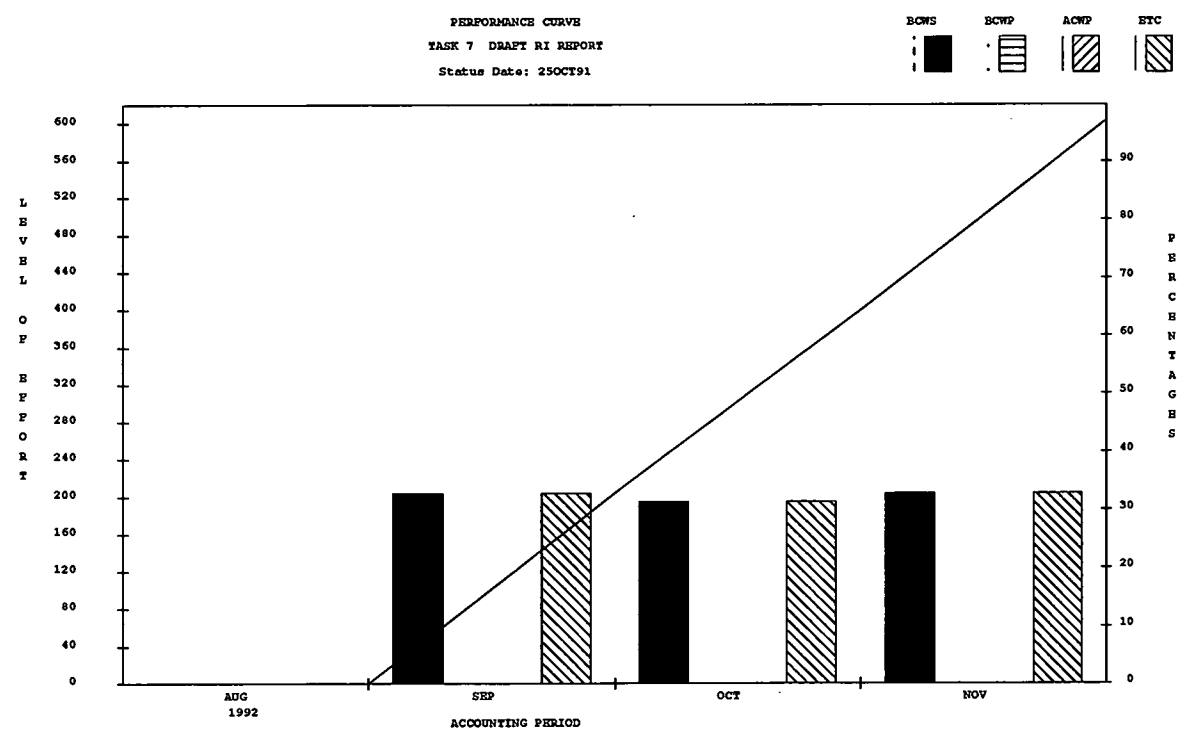

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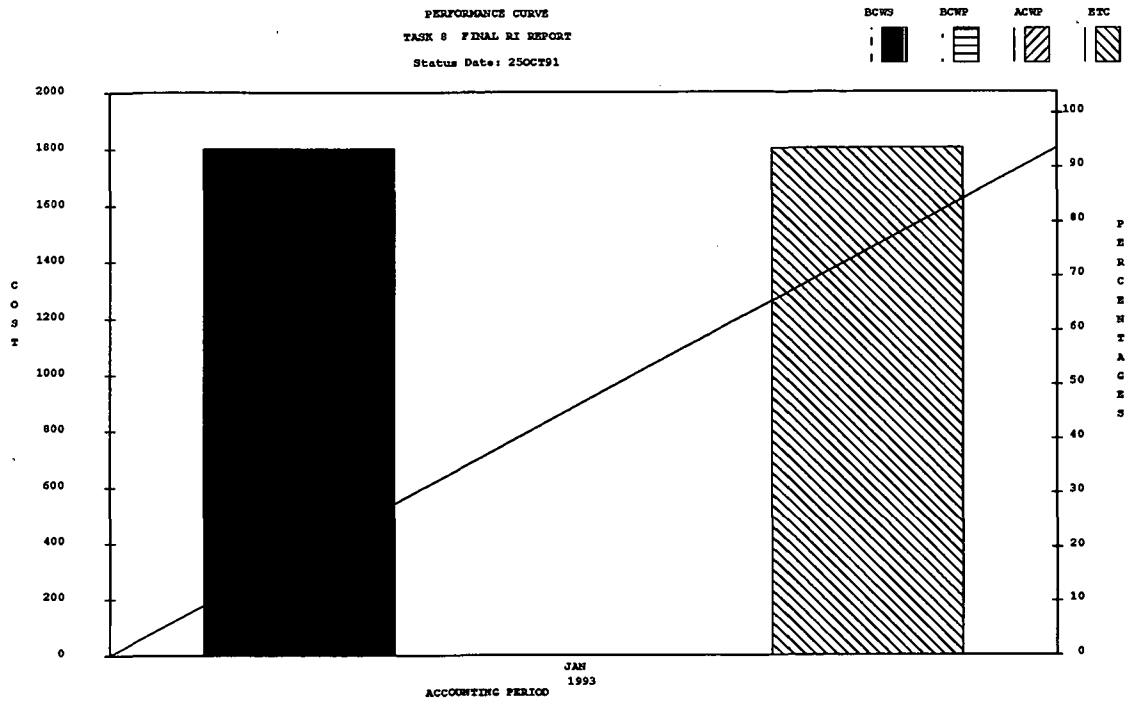
PERFORMANCE CURVE

TASK 8 FINAL RI REPORT

Status Date: 25OCT91



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PERFORMANCE CURVE

TASK 8 FINAL RI REPORT

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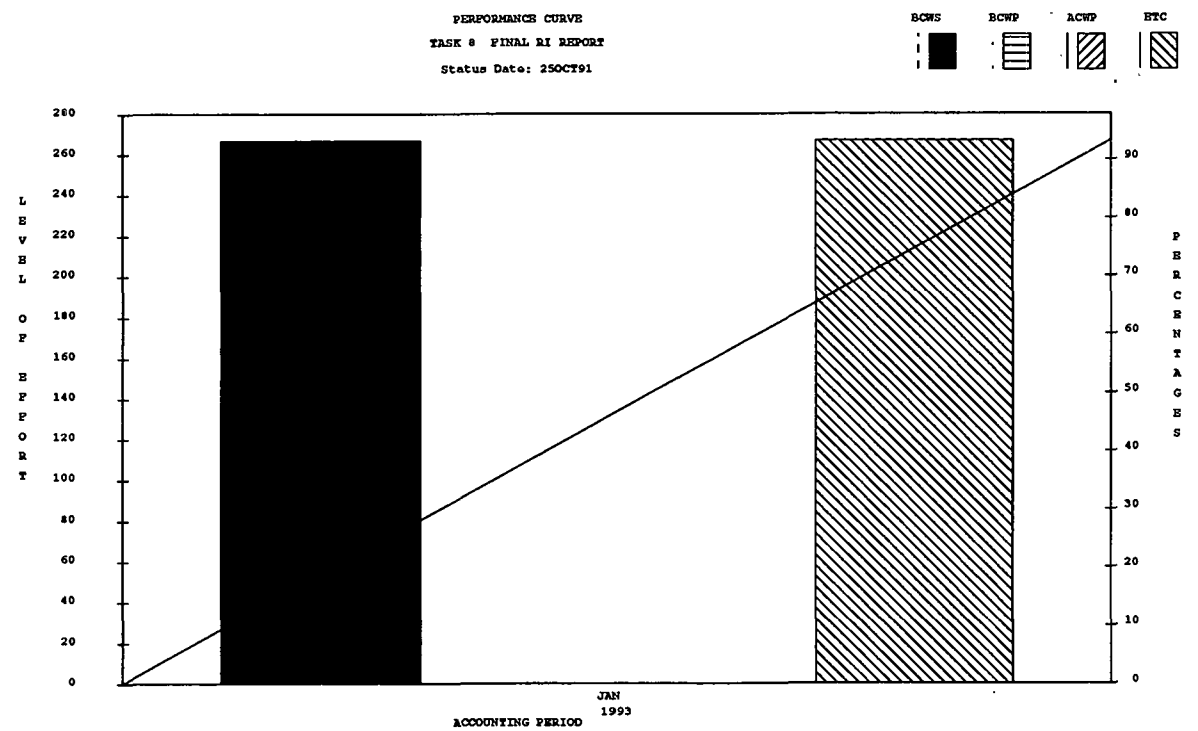

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PERFORMANCE CURVE

TASK 9 ALTERNATIVES ARR

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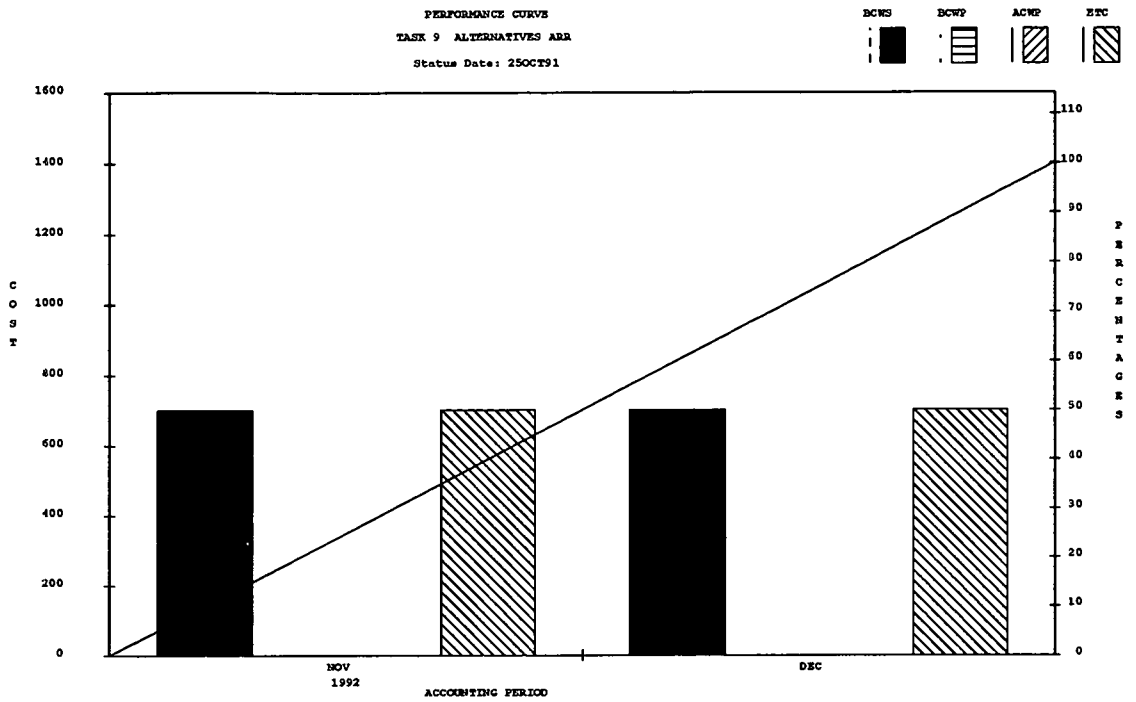

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PERFORMANCE CURVE

TASK 9 ALTERNATIVES ARR

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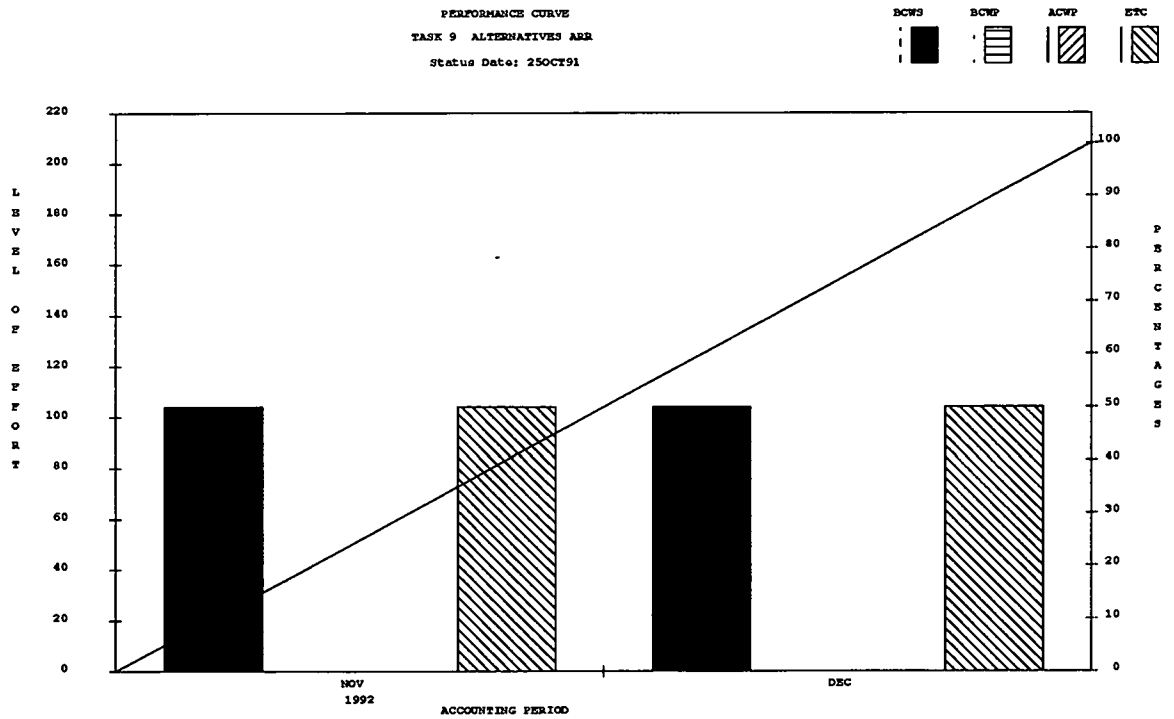

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PERFORMANCE CURVE

TASK 10 DRAFT FS REPORT

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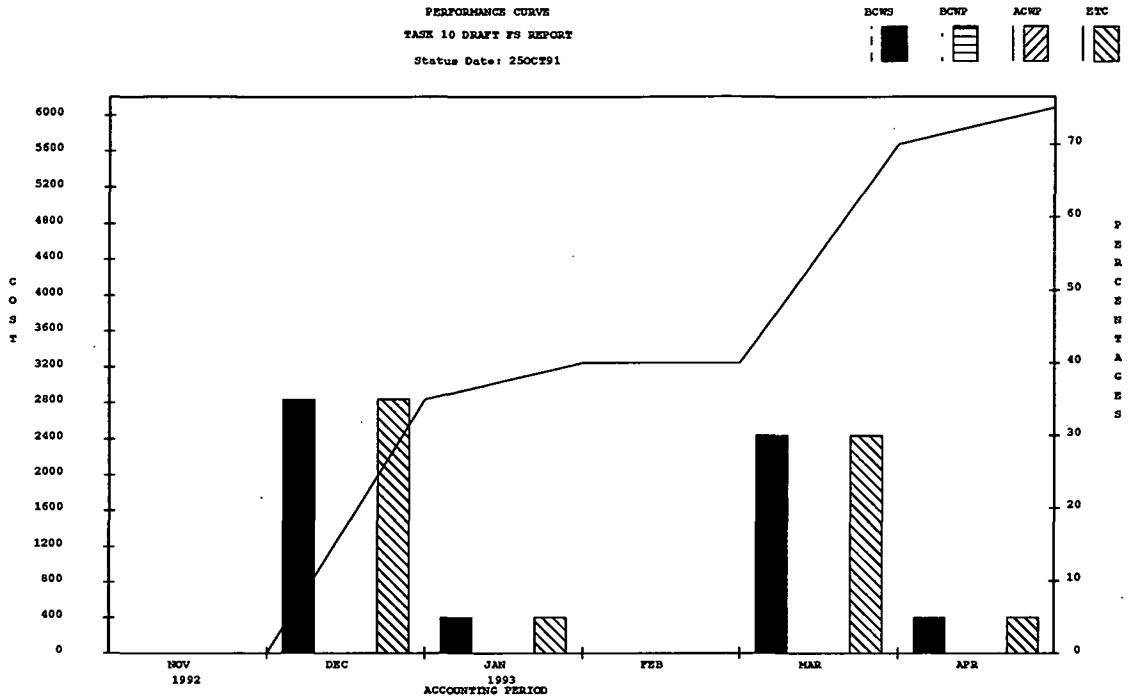

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PERFORMANCE CURVE

TASK 10 DRAFT FS REPORT

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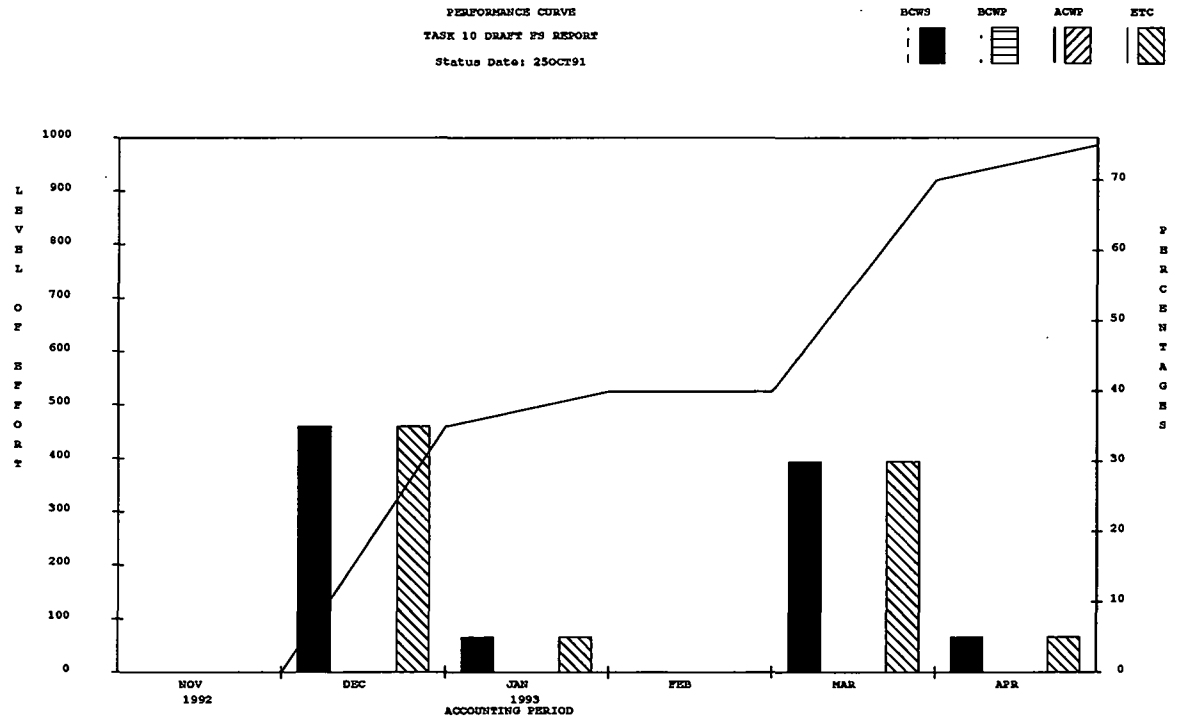

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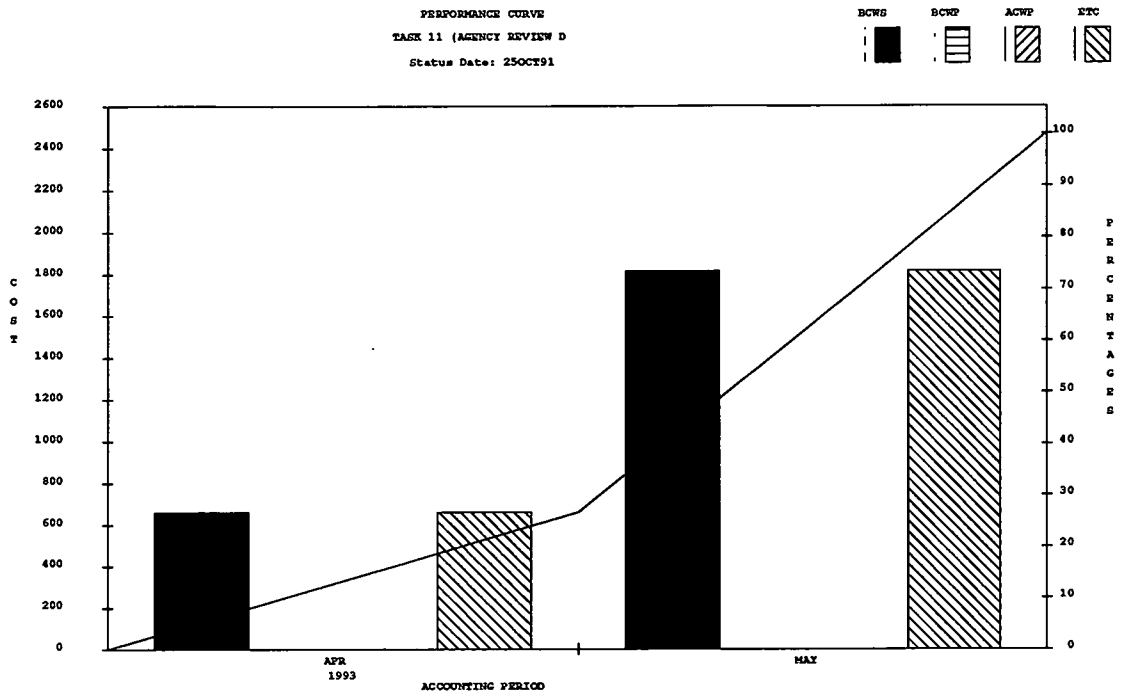
PERFORMANCE CURVE

TASK 11 (AGENCY REVIEW D

Status Date: 25OCT91



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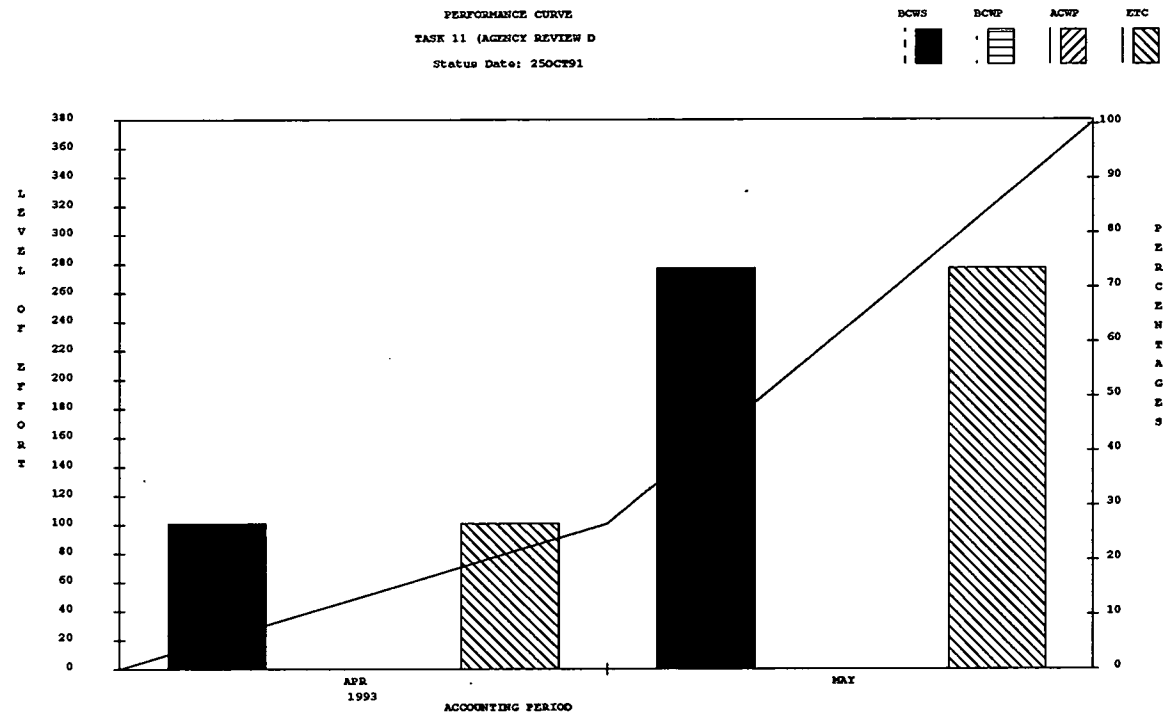
Page 1A of 1A

PERFORMANCE CURVE

TASK 11 (AGENCY REVIEW D

Status Date: 25OCT91



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PERFORMANCE CURVE

TASK 12 MEETINGS

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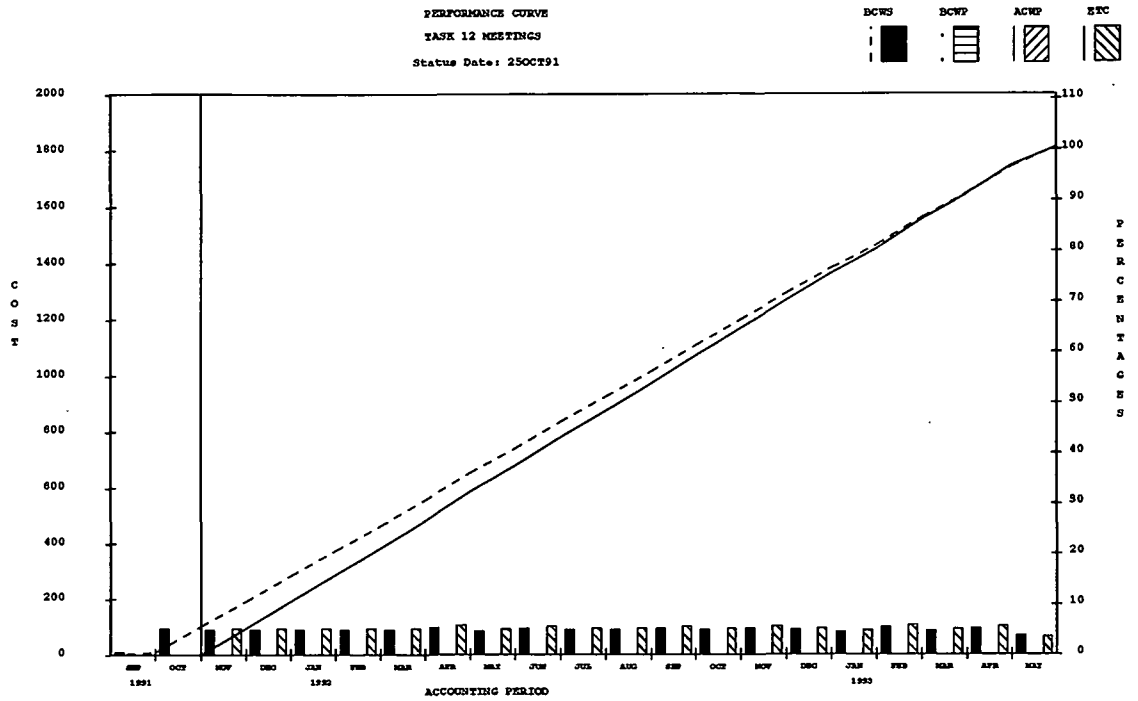

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PERFORMANCE CURVE

TASK 12 MEETINGS

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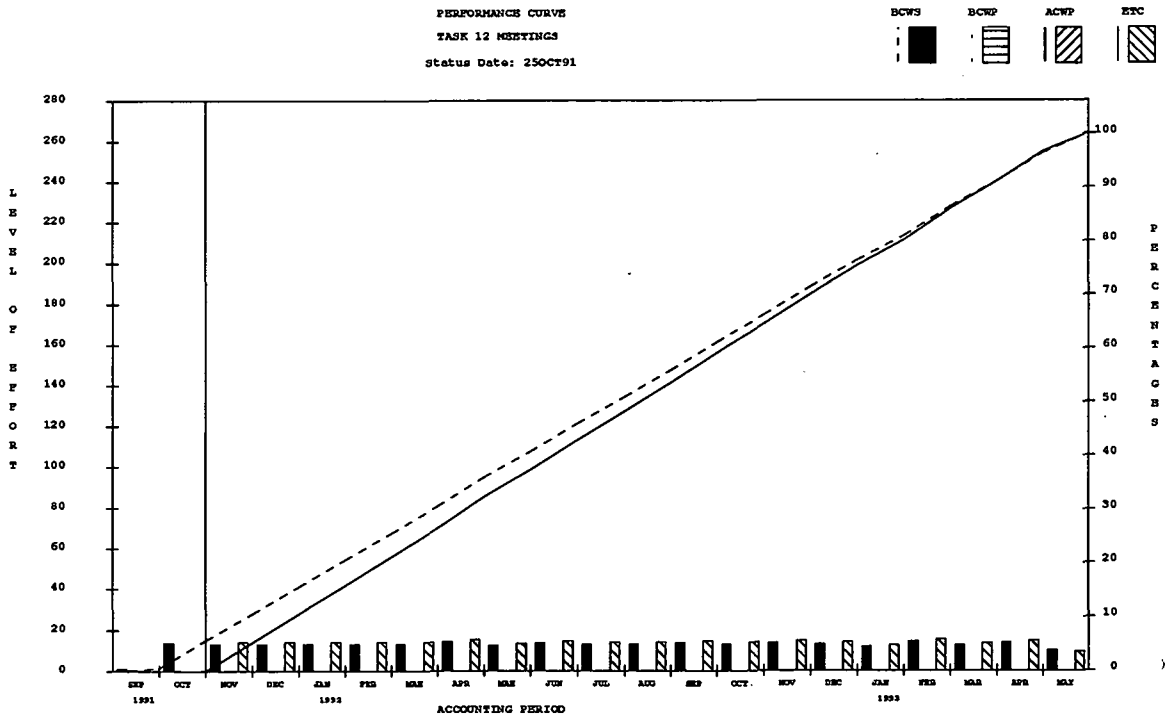

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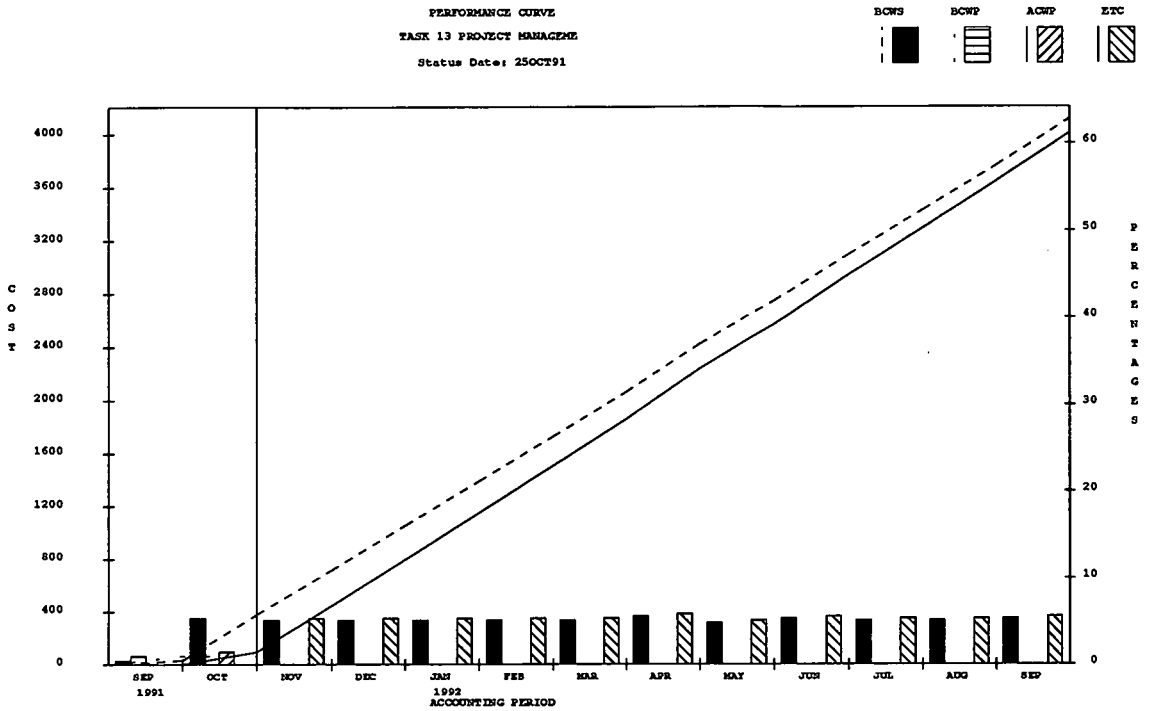
PERFORMANCE CURVE

TASK 13 PROJECT MANAGEME

Status Date: 25OCT91



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PERFORMANCE CURVE

TASK 13 PROJECT MANAGEME

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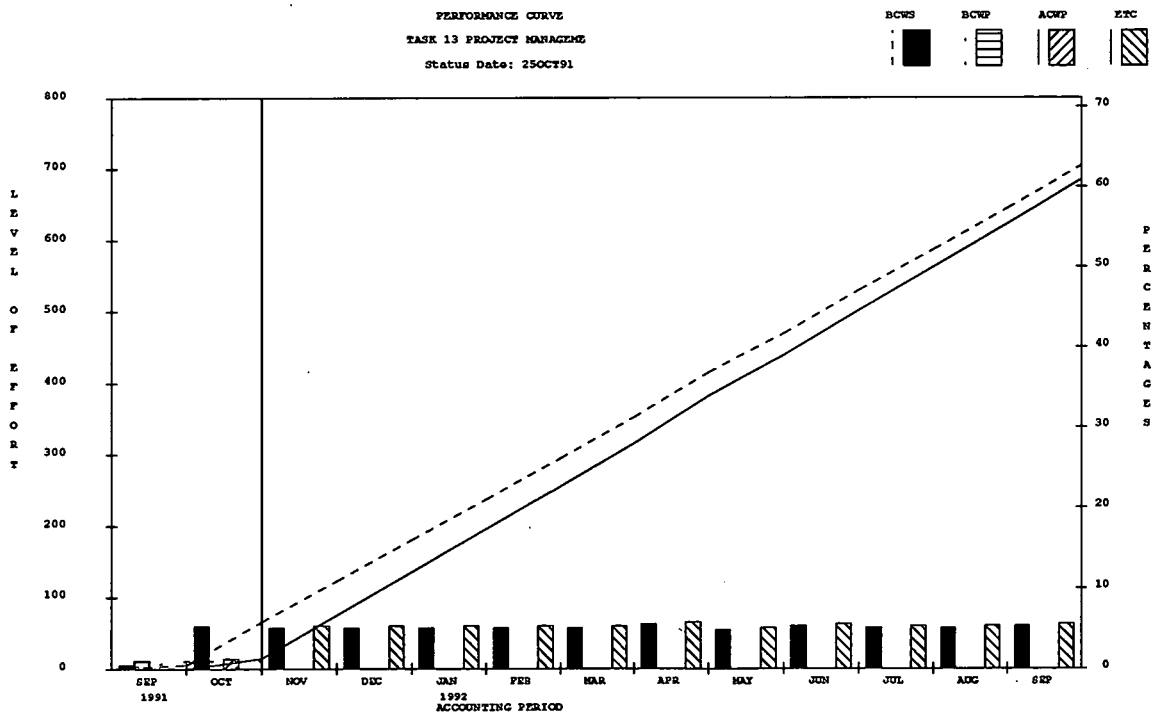

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PERFORMANCE CURVE

TASK 14 PROJECT QA/QC PE

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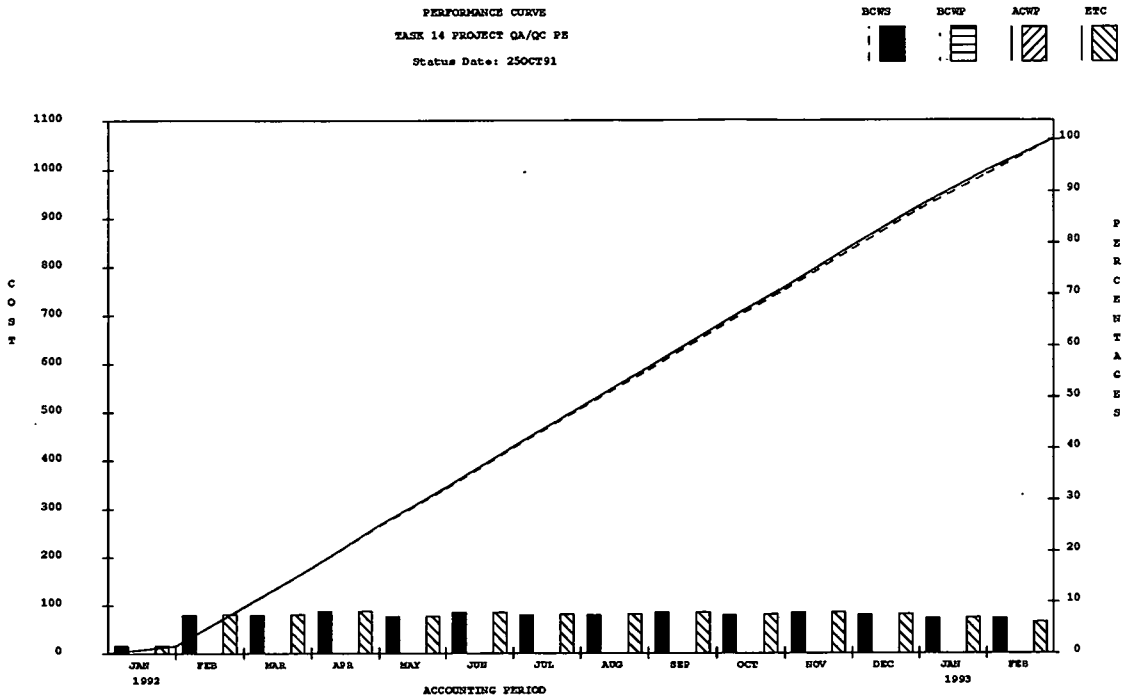

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PERFORMANCE CURVE

TASK 14 PROJECT QA/QC PE

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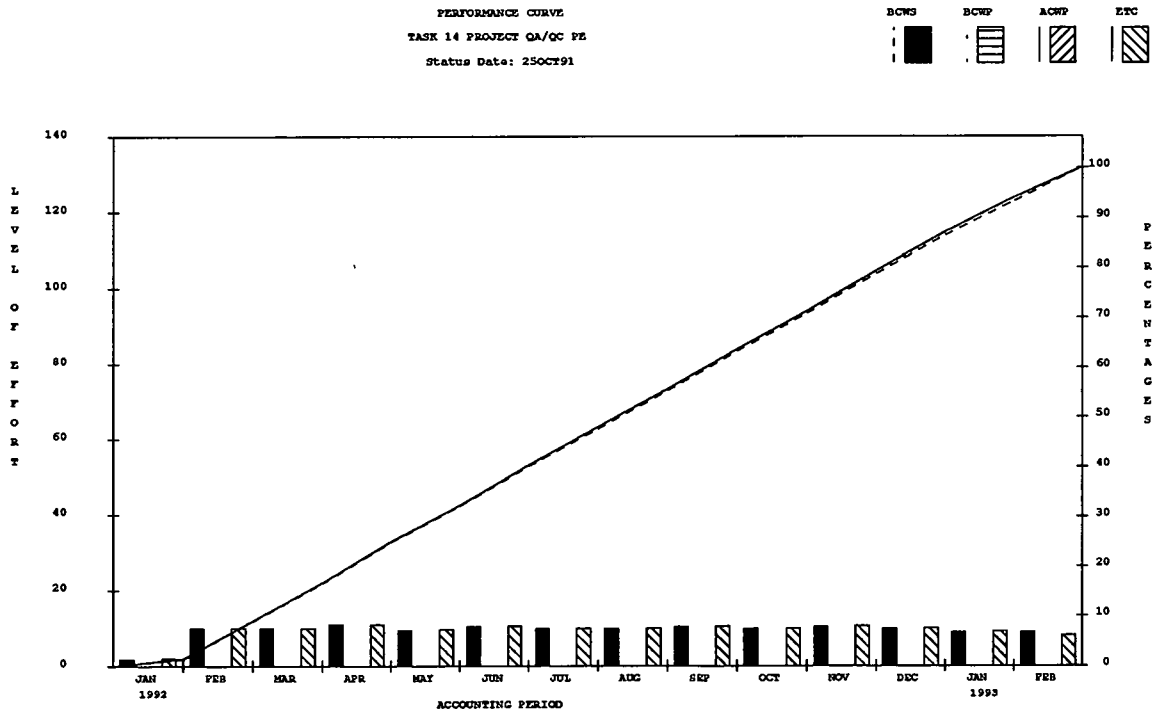

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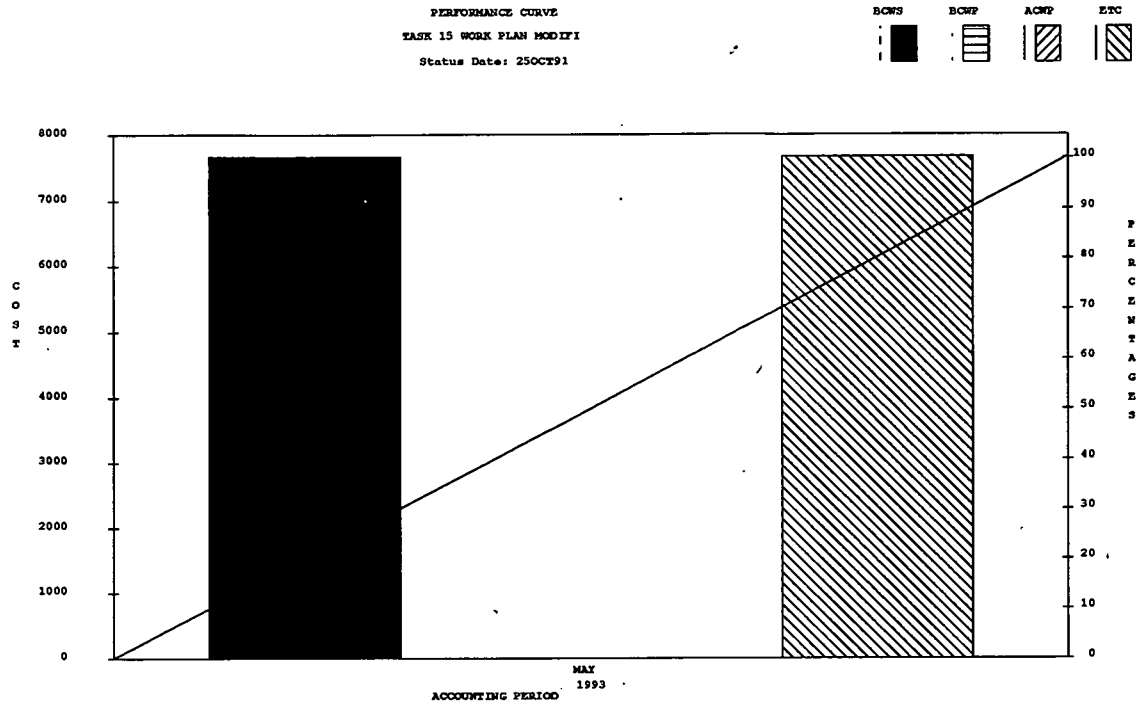
PERFORMANCE CURVE

TASK 15 WORK PLAN MODIFI

Status Date: 25OCT91



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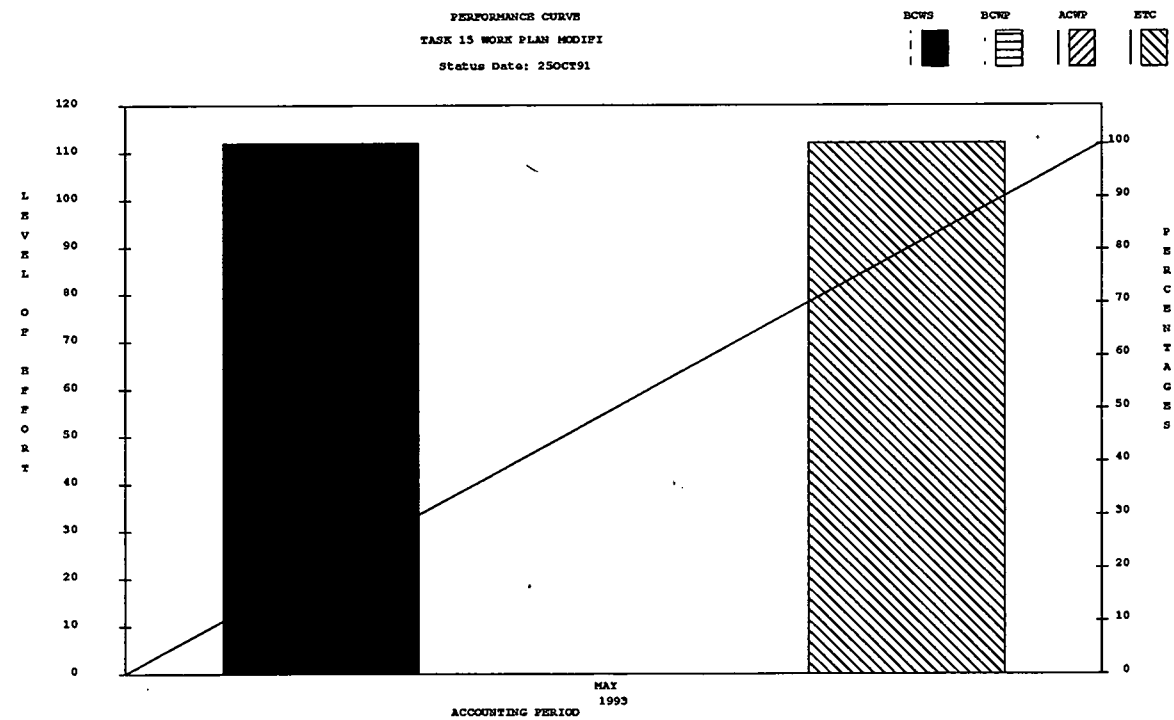
PERFORMANCE CURVE

TASK 15 WORK PLAN MODIFI

Status Date: 25OCT91



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PERFORMANCE CURVE

TASK 16 DATA VALIDATION

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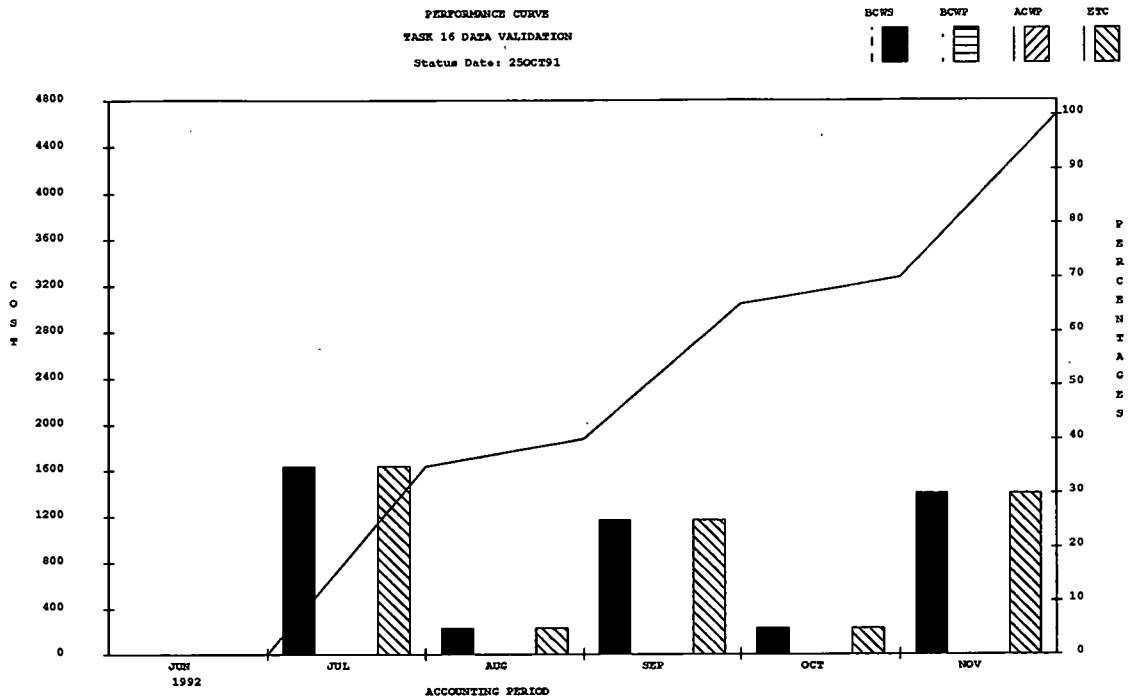

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PERFORMANCE CURVE

TASK 16 DATA VALIDATION

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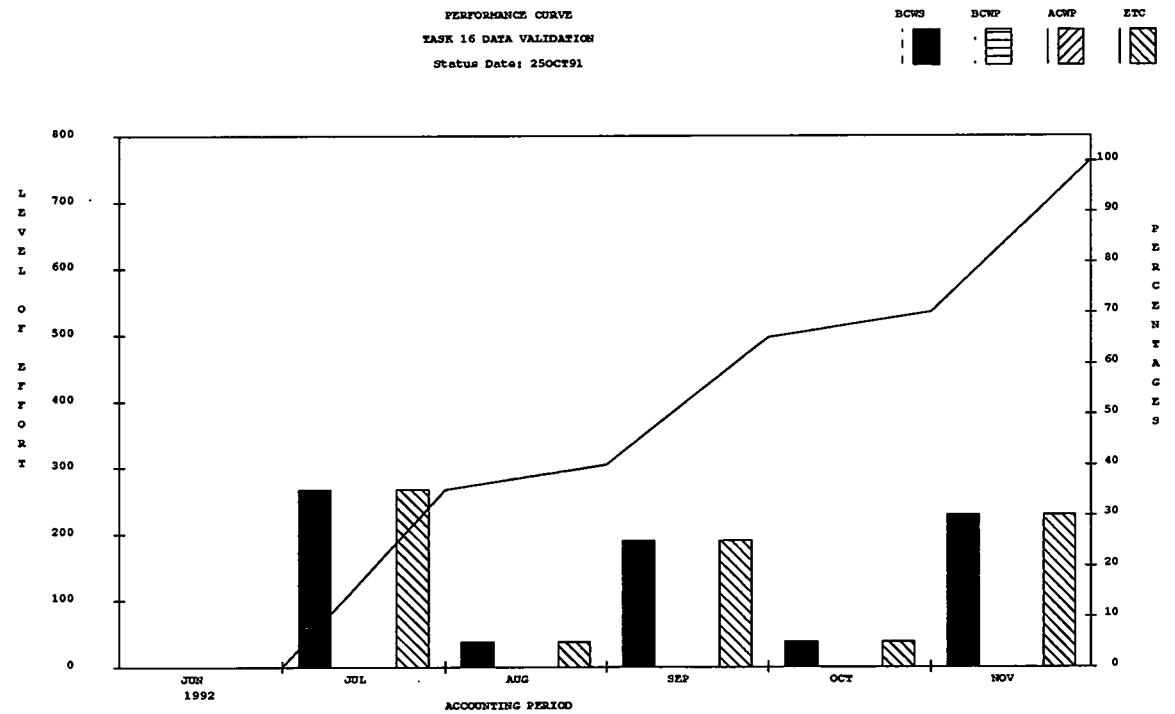

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PERFORMANCE CURVE

TASK 17 PROJECT CLOSEOUT

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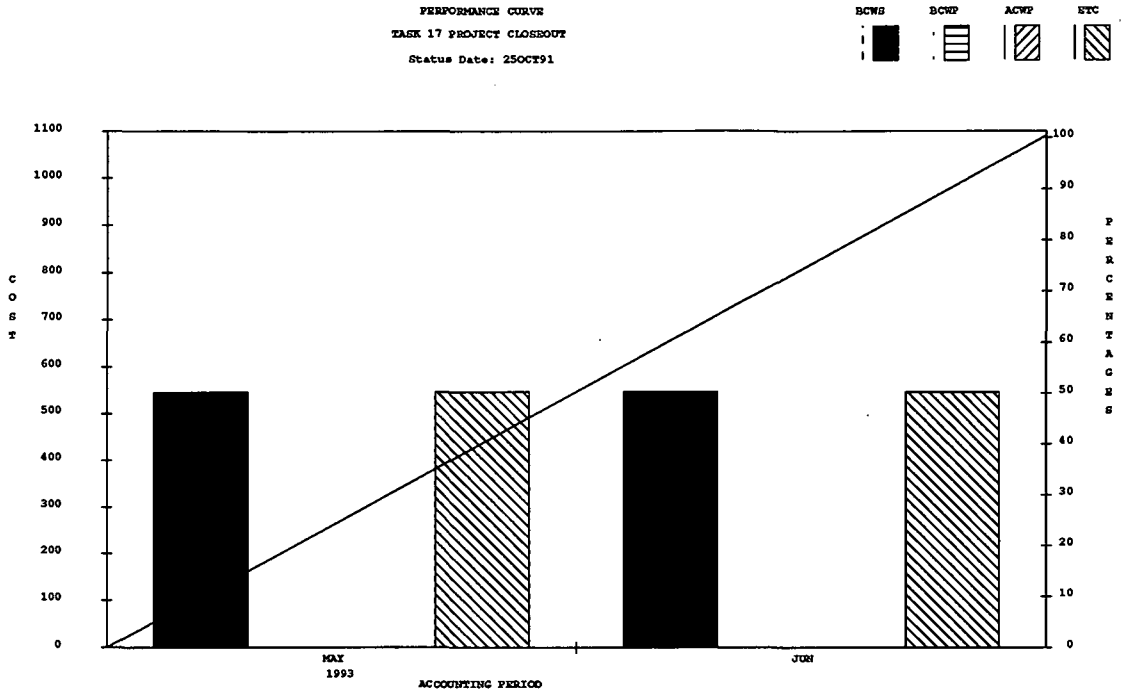

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PERFORMANCE CURVE

TASK 17 PROJECT CLOSEOUT

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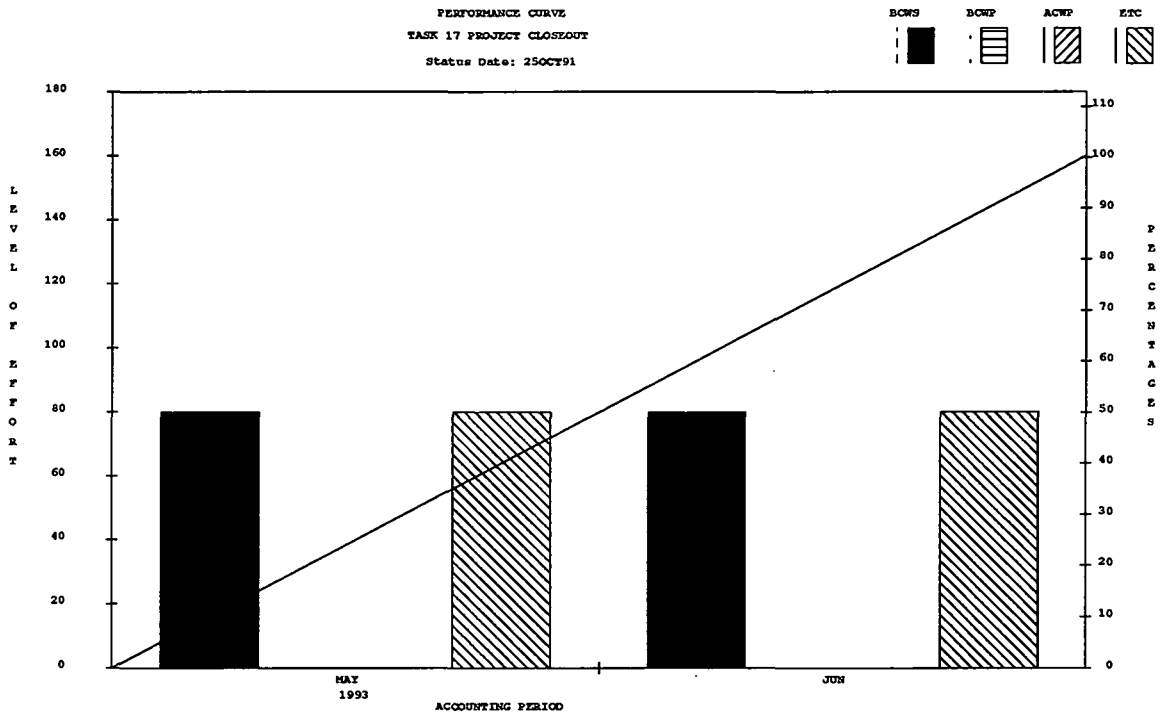

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PERFORMANCE CURVE

TASK 18 RISK ASSESSMENT

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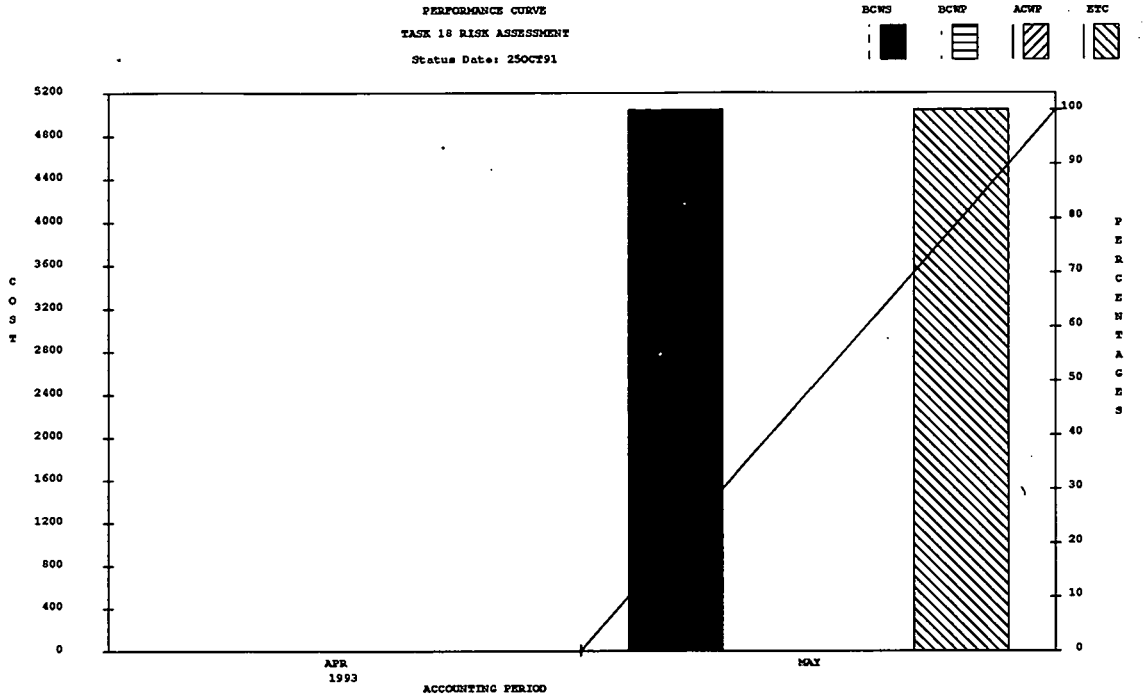

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PERFORMANCE CURVE

TASK 18 RISK ASSESSMENT

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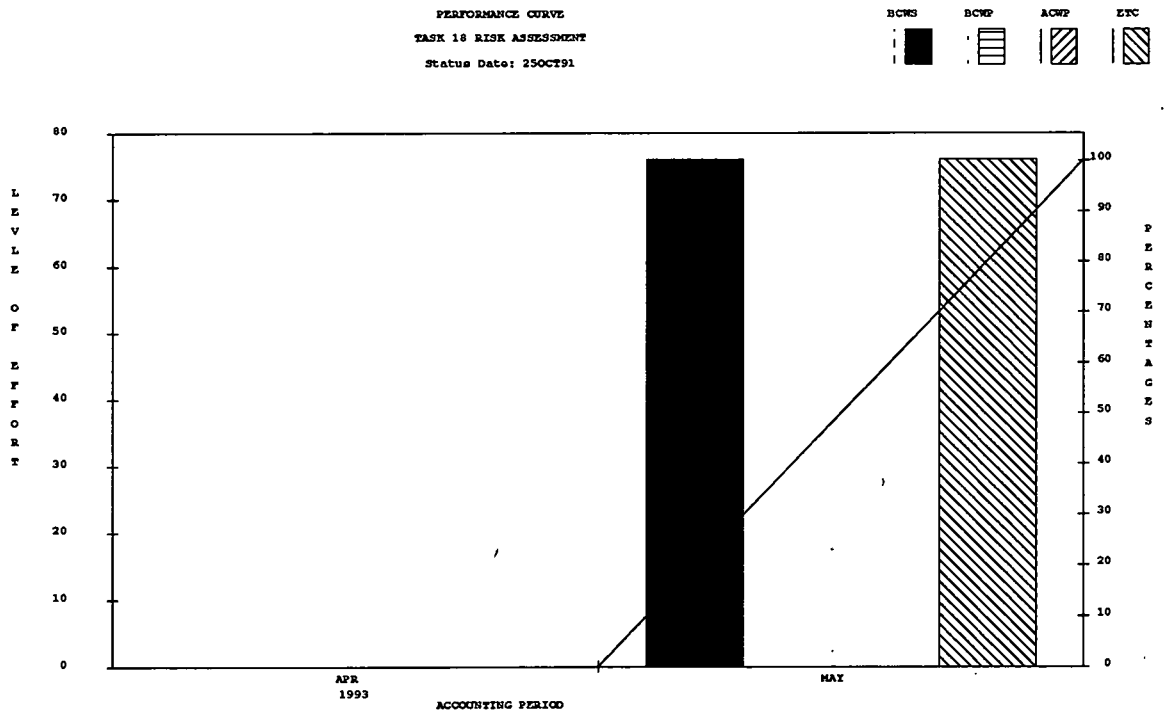

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PERFORMANCE CURVE

TASK 19 WASTE DISPOSAL

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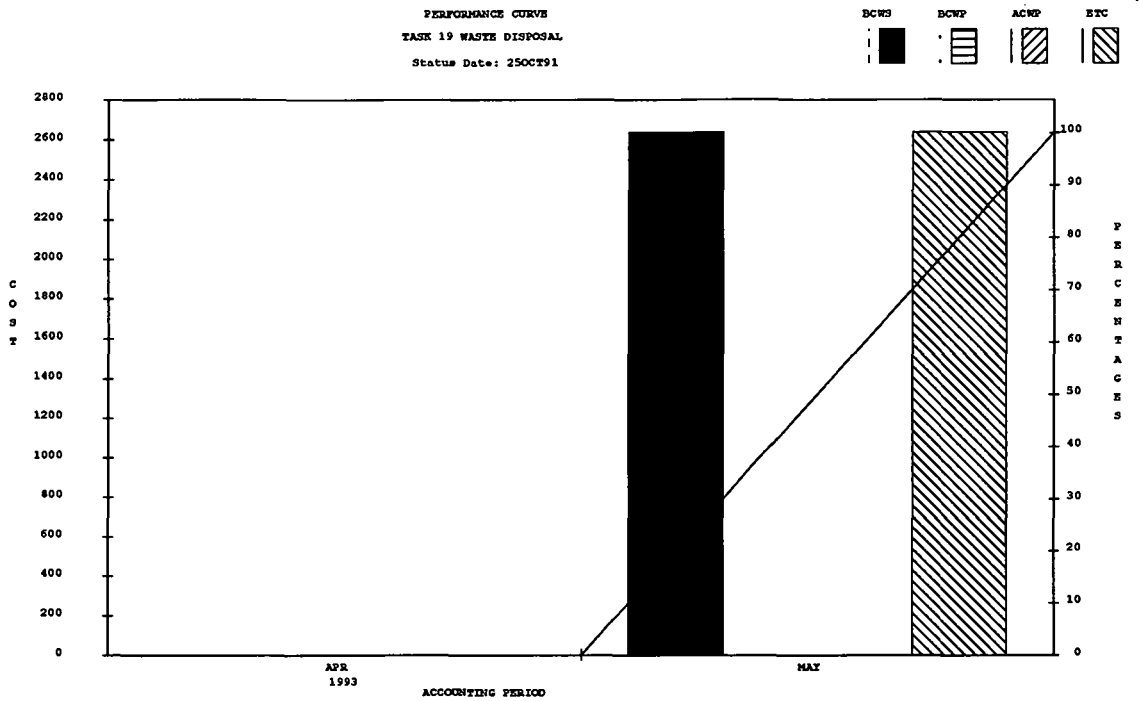

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PERFORMANCE CURVE

TASK 19 WASTE DISPOSAL

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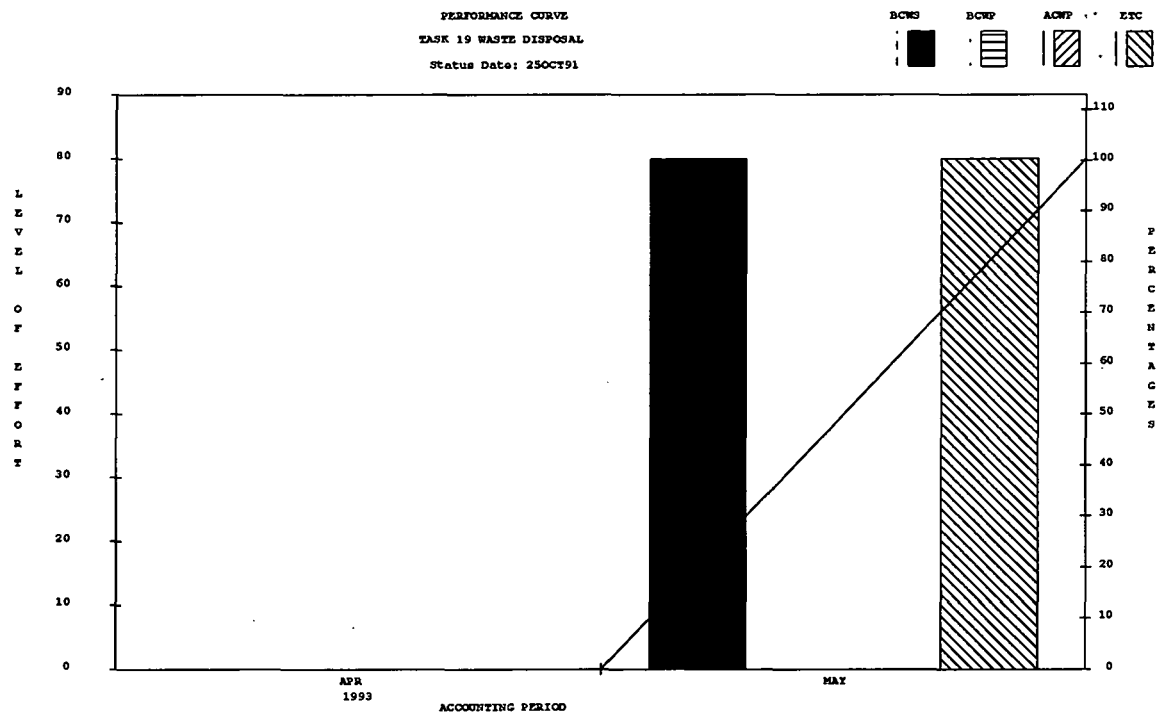

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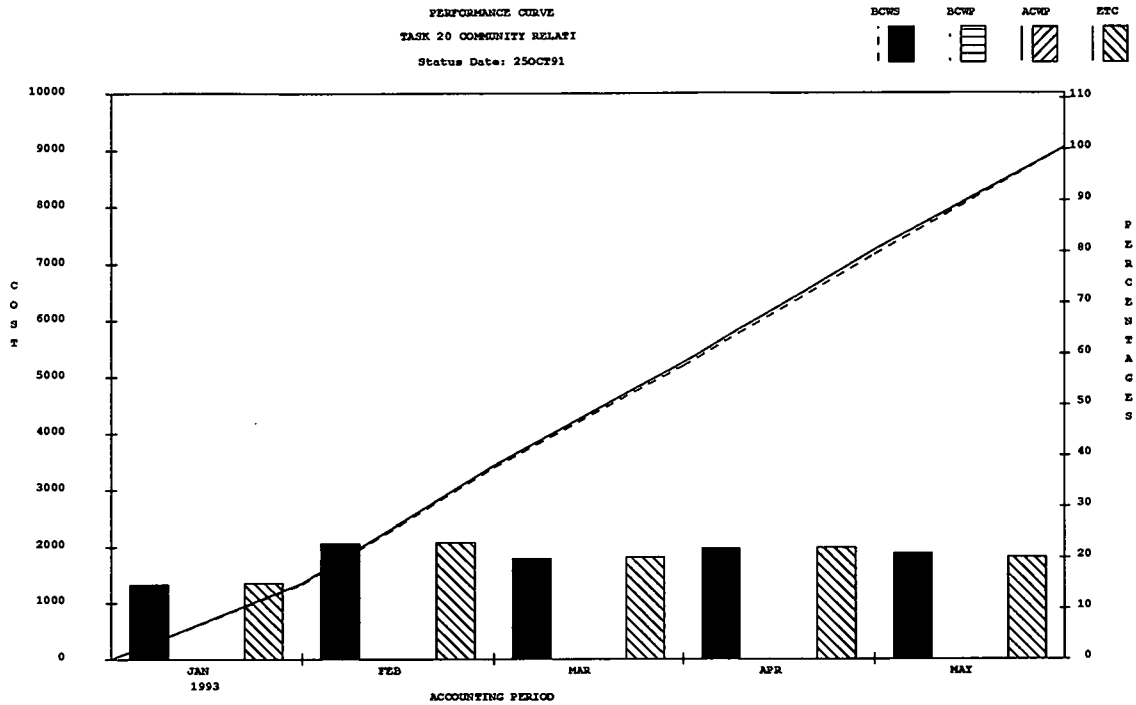
PERFORMANCE CURVE

TASK 20 COMMUNITY RELATI

Status Date: 25OCT91



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PERFORMANCE CURVE

TASK 20 COMMUNITY RELATI

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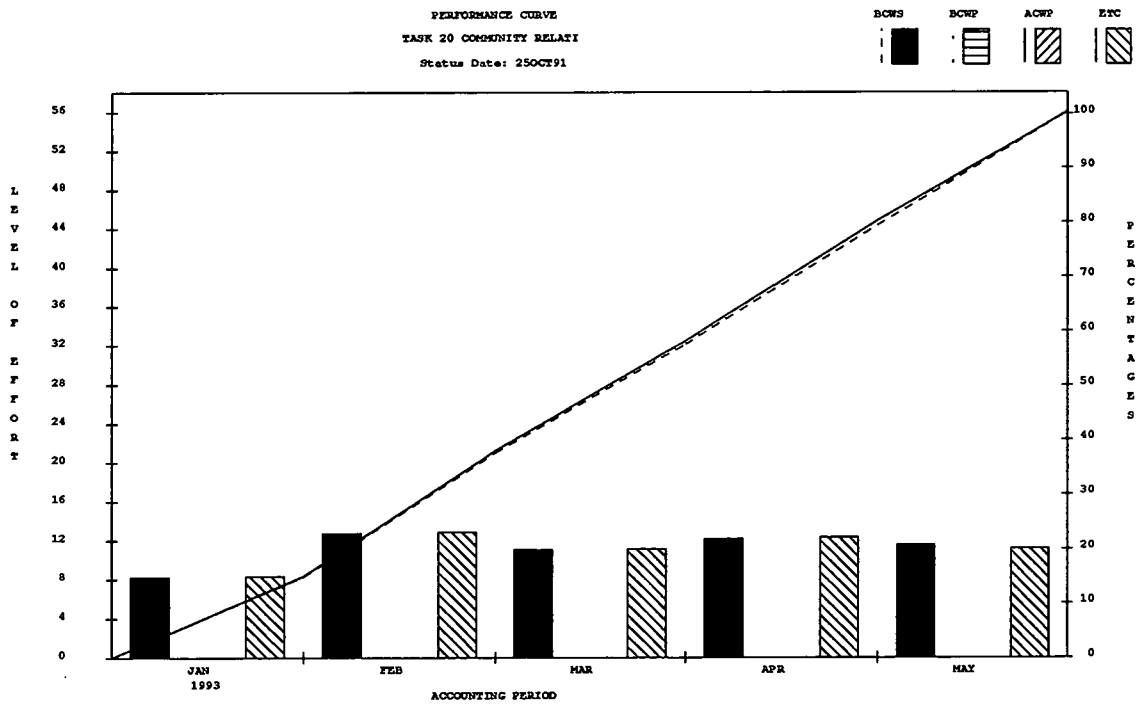

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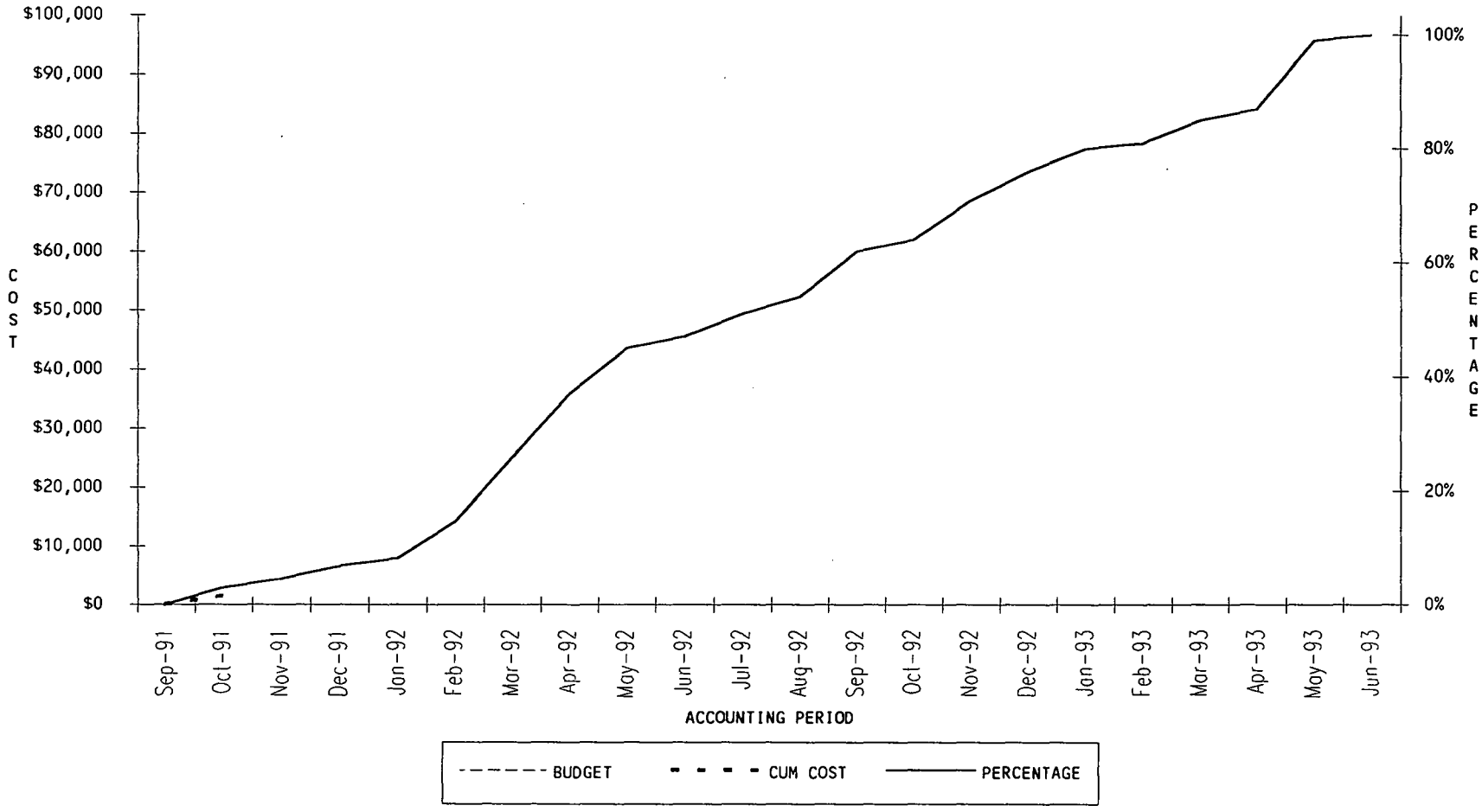
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Apr-93
May-93
Jun-93
ACCOUNTING PERIOD
BUDGET
CUM COST
PERCENTAGE

CH2M HILL TRANSMITTAL

TO Wisconsin Department of Natural Resources

FROM Jeff Keiser

ATTN Mr Terry Koeber

DATE 11/8/91

RE NW Mauthe Invoice

PROJECT NUMBER GL0 32860 PM PM

WE ARE SENDING YOU

- [x] ATTACHED
- [ ] UNDER SEPARATE COVER VIA
- [ ] SHOP DRAWINGS
- [ ] DOCUMENTS
- [ ] TRACINGS
- [ ] PRINTS
- [ ] SPECIFICATIONS
- [ ] CATALOGS
- [ ] COPY OF LETTER
- [ ]

QUANTITY	DESCRIPTION
1	Invoice

IF MATERIAL RECEIVED IS NOT AS LISTED, PLEASE NOTIFY US AT ONCE

REMARKS Terry
If you have any questions please call

COPY TO With Attachment Mr. Jon Petersen RPM USEPA

REV 1/87 FORM 6