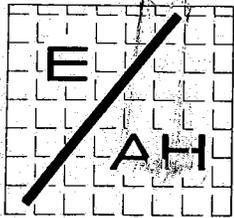


N00216.AR.000189
NAS CORPUS CHRISTI
5090.3a

LETTER REGARDING THE SUBMITTAL OF CORRECTIVE MEASURES STUDY AND DRAFT
PLAN OF ACTION AND CONTRACT PRICE PROPOSAL NAS CORPUS CHRISTI TX

3/28/1995

ENSAFE



189
EnSafe / Allen & Hoshall
a joint venture for professional services

5720 Summer Trees Dr. Suite 8 Memphis, TN 38134
(901) 383-9115 Fax (901) 383-1743

March 28, 1995
DAB-95-069

Commanding Officer
ATTN: Ms. Kimberly Reavis/0233KR
SOUTHNAVFACENCOM
P.O. Box 190010
North Charleston, SC 29419-9010

Subject: CTO 0069, CLN 02; Corrective Measures Study for NAS Corpus Christi, TX
Draft Plan of Action and Contract Price Proposal

Reference: Contract N62467-89-D-0318 (CLEAN II)

Dear Ms. Reavis:

EnSafe/Allen & Hoshall is pleased to submit one original and three copies of the Draft Plan of Action (POA) and Contract Price Proposal for subject CTO modification. The estimated cost, proposed award fee and total cost for this effort is summarized below. The proposed price is based on an estimated period of performance of 1 Jun 95 through 15 Mar 96.

Estimated Cost	\$272,486
Award Fee	<u>\$ 24,334</u>
Total	\$296,820

Should you require further information, please contact Mr. Jeff Bennett for technical assistance, or the undersigned for contractual matters at (901) 372-7962.

Sincerely,

Debra A. Blagg
Manager, Contracts & Procurement

cc:

w/atch - TOM: JJ Bennett; PA: RL Presley; DA Blagg; FF Alexander; File: CTO 0069
w/o atch - JJ Bennett, PL King, L McMahon

EnSafe / Allen & Hoshall

Draft POA / Contract Pricing Proposal
CTO 0069CLN002 NAS Corpus Christi, TX
Date March 28, 1995

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SECTION 1

CONTRACT PRICING PROPOSAL

CTO-0069CLN002 - NAS CORPUS CHRISTI CORRECTIVE MEASURES STUDY

485-2783

INTRODUCTION

The following is the Draft Plan of Action prepared in response to Contract Task Order 0069CLN002. The purpose of CLN002 is to conduct a Corrective Measures Study (CMS) for the DRMO landfill, the CCAD landfill and the former fire fighting training area and conduct an aquifer pump test at Building 8 (CCAD). No CMS will be conducted at Building 8 at this time.

PROJECT MANAGEMENT (04000)

This task contains the costs associated with the general project management associated with the activities to be performed under this task order. Project management tasks will include project oversight, project coordination, meetings and subcontractor management.

Project Coordination (04200)

This task includes all efforts necessary to organize, manage and schedule the various activities associated with this task order. Work to be performed under this task include coordination with the activity, SOUTHDIV and TNRCC, Task Order Manager (TOM) oversight of project activities, and general coordination activities required to maintain the negotiated schedule and effectively manage the task order. This task also includes costs for the TOM, an Environmental Protection Specialist, a Senior Engineer and an Engineer to attend a start-up meeting and two subsequent meetings at the activity.

Labor:

TOM	150
Environmental Protection Specialist	72
Sr. Engineer	72
Engineer	72

Travel:

3 Trips * 4 People * 2 days

Subcontractor Management (04500)

This task includes costs for procuring and managing subcontractors required to complete project activities. At least three subcontractors are expected to be used during this project: an analytical laboratory, a data validation firm, and a Texas licensed well driller.

Labor:

TOM	40 ✓
Scientist	40

1:00 - 4:40 ALAMO

CTO / SITE: Corpus Christi

CONTRACTOR: ENSAFE / ALLEN & HOSHALL, INC.

Contract No. N62467-89-D-0318 CTO 069 CLN 002

EIC: Ed Lohr

Task Order Manager: Jeff James

CODE	LABOR CLASS	CY95	CY95	CY95	CY96	CY96	CY96	TOTAL	TOTAL
		HRS	RATE	\$	HRS	RATE	\$	HRS	\$
01	Program Manager		40.71	\$0.00		42.13	\$0.00	0	0
02	Project Assistant		11.82	0.00		12.21	0.00	0	0
04	Contract Manager		19.82	0.00		20.49	0.00	0	0
05	QA Manager		24.40	0.00		25.23	0.00	0	0
06	QA Assis.		20.88	0.00		21.59	0.00	0	0
07	Task Order Manager	311.09	27.62	8,592.31	86.91	28.56	2,482.15	398	11,074
08	Health & Safety Officer		24.43	0.00		25.26	0.00	0	0
09	Health & Safety Asst.		12.37	0.00		12.79	0.00	0	0
10	Sr. Scientist	160.00	23.69	3,790.40		24.49	0.00	160	3,790
11	Scientist/Chemist/Geologist	1,070.20	16.71	17,883.04	45.8	17.28	791.42	1,116	18,674
12	Technical Expert		23.69	0.00		24.49	0.00	0	0
13	Air Quality Specialist		16.71	0.00		17.29	0.00	0	0
14	Senior Eng./ Architect	126.47	25.45	3,218.66	65.53	26.31	1,724.09	192	4,943
15	Engineer / Architect	885.31	16.53	14,634.17	450.69	17.10	7,706.80	1,336	22,341
16	CAD/Senior		14.09	0.00		14.57	0.00	0	0
17	Draftsperson	24.00	11.06	265.44	92.00	11.44	1,052.48	116	1,318
18	Tech Editor	8.00	15.75	126.00	28	16.29	456.12	36	582
20	Computer Programmer							0	0
22	Community Rel.Spec.		15.59	0.00		16.12	0.00	0	0
23	Environmental Support Spec.		10.28	0.00		10.63	0.00	0	0
24	Envir. Prot.Spec.	88.79	38.38	3,407.76	53.21	39.69	2,111.90	142	5,520
25	Public Health Specialist		24.43	0.00		25.26	0.00	0	0
26	Clerical/Word Processing		9.14	0.00		9.45	0.00	0	0
27	Department Manager		22.11	0.00		22.88	0.00	0	0
30	Senior Project Assistant		14.91	0.00		15.42	0.00	0	0
31	Associate Comp.Programmer							0	0
32	MIS Manager							0	0
39	Buyer		14.23	0.00		14.71	0.00	0	0
40	Programmer/Administrator		14.60	0.00		15.10	0.00	0	0
41	Database Analyst		10.93	0.00		11.30	0.00	0	0
	DIR. LABOR SUBTOTAL	2,673.86		51,917.78	822.14		16,324.97	3496.00	68,243
	TOTAL OVERHEAD		128.4%	66,662.43		130.60%	21,320.41		87,983
	TOTAL LABOR			118,580.22			37,645.38		156,226

TRAVEL	33,561.00	3,677.00	37,238
Telephone/Communication			0
Postage/Freight	5,775.00		5,775
Reproduction/Binding			0
Equipment Rental/Supplies	19,165.00		19,165
Personal Protective Equipment			0
Expendables	1,088.00		1,088
Adjustment for Primavera Smoothing to Overhead	(3.00)		(3)
TOTAL OTHER DIRECT COSTS	26,025.00	0.00	26,025
SUBCONTRACTS:			
Wells/Borings	\$2,941.00		2,941
Laboratory Analysis	\$46,781.00		46,781
Surveying			0
Soil Gas			0
Equipment Maintenance			0
Other	3,275.00		3,275
TOTAL SUBCONTRACTS	52,997.00	0.00	52,997
TOTAL COST (TRAVEL, SUBS & ODCs)	231,163.22	41,322.38	272,486
AWARD FEE	17,816.62	4,132.24	21,949
AWARD FEE (SUB)	2,384.87	0.00	2,385
TOTAL AWARD FEE	20,201.49	4,132.24	24,334
GRAND TOTAL	251,364.71	45,454.62	\$296,819

FIELD INVESTIGATION (08000)

Site Investigation (08400)

In order to effectively identify and evaluate corrective measures for these sites some preliminary field activities will have to be conducted at the IR Sites and Building 8. The following subtasks will be performed as part of the additional site investigation activities.

Monitoring Well Installation

Two additional groundwater monitoring wells will need to be installed to facilitate a groundwater pump test at Building 8. One 4-inch diameter well will be installed to use as a pumping well and one 2-inch diameter well will be installed as an observation well. No soil or groundwater samples from these wells will be submitted for laboratory analysis. → SEE TNRC LTR FEB 7

Labor:

- TOM
- Scientist
- Sr. Scientist

WORKPLAN FOR BLDG 8
SOIL ANALYZED (EPA SW846)
4 VOC'S SEMI-VOLATILE, TOTAL
PCOA METALS
24 - 40
24 - 40

Travel:

1 Trips * 2 People * 3 days

Groundwater Sampling

An additional groundwater sampling event will be conducted at the wells installed at the IR sites and Building 8 in order to evaluate current groundwater conditions at the sites. A total of 55 wells will be sampled and analyzed for VOC, SVOC and RCRA Metals contamination. SW 846

Labor:

- TOM 40
- Scientist 600

Travel:

1 Trip * 4 People * 10 days ✓ (320 HRS)
~~1 Trip * 4 People * 7 days ?~~ 32 HRS
~~12 DAYS 2 PEOPLE~~ 352

Spoils/Fluids Disposal

EnSafe/Allen & Hoshall (EAH) will characterize all investigation derived wastes (IDW) generated at the site for disposal. All IDW will be containerized in 55-gallon drums and temporarily stored at a location designated by the activity.

Labor:

10
10

TOM
Scientist

8 ✓
40

Aquifer Pump Test

Following installation and development of the two additional monitoring wells, EAH will conduct an aquifer pump test in accordance with the workplan dated ??????????. These costs assume that all water purged from the pumping well will be discharged directly into the the activity's industrial wastewater treatment system. No cost have been included for containerization and disposal of this water or for piping to the treatment system. EAH assumes that water from the pumping well can be pumped to a nearby discharge point through a flexible hose.

Labor:

TOM
Scientist
Sr. Scientist

8 ✓
~~60~~ 120
~~60~~ 120

Travel:

1 Trip * 2 People * 10 days 12⁸ HR/DAY

LAB ANALYSIS (09000)

This task includes cost for analyzing 55 groundwater samples and associated QA samples for VOC's, SVOC's and RCRA Metals. USING EPA SW846

DATA VALIDATION (10000)

This task includes cost for validation of all data received from the analytical laboratory by a validation subcontractor. All validation will be performed in accordance with EPA and Navy guidelines.

Labor:

TOM
Scientist

4
40

DATA EVALUATION AND REPORT (12000)

Prepare Groundwater Sampling/Pump Test Report (12200)

EAH will prepare a draft report detailing the results of the groundwater sampling event and the aquifer pump test at Building 8. Following comments by SOUTHDIV and the activity, a draft-final report will be prepared for submittal to the TNRCC. A final document will be prepared following inclusion of comments by the regulatory agency.

Labor:

TOM	24
Sr. Scientist	60
Scientist	200
CADD	24
Technical Editor	8

316

CORRECTIVE MEASURES STUDY (14000)

EAH will conduct a Corrective Measures Study (CMS) to develop and evaluate corrective action alternatives for the IR Sites at NAS Corpus Christi. The CMS will be performed in accordance with TNRCC and EPA regulations and guidance.

Develop Corrective Measure Alternatives (14100)

Based on the results of the Facility Investigation (FI), the additional groundwater sampling event, and other available information, EAH will identify, screen and develop remedial alternatives for the IR sites. This task will include the following subtasks:

Evaluation of Current Conditions

This task is primarily an update of the FI Report. Current conditions will be evaluated to determine if any significant changes have occurred at the site since the FI was performed. The groundwater sampling event will provide valuable information for making this comparison.

Establishment of Corrective Action Objectives

EAH will establish the site specific corrective action objectives for soil and groundwater at the IR sites. The objectives will be based upon all relevant regulations, but primary consideration will be given to the Risk Reduction regulations promulgated by the TNRCC.

Screening of Corrective Measures Technologies

This task will include a review of potentially applicable corrective action technologies and screening each technology to eliminate those that may prove infeasible to implement, that rely on technologies unlikely to perform satisfactorily or reliably, or that do not achieve the corrective action objectives within a reasonable time period.

Identification of Corrective Measure Alternatives

Based upon the results of the screening of corrective measures technologies, EAH will identify the corrective measure alternatives that are most suitable for the site. The reasons for choosing and eliminating the various technologies screened will be documented.

Labor:

TOM	40
Environmental Protection Specialist	16
Sr. Engineer	40
Engineer	320
Scientist	16

Travel: Memphis/Corpus - 1 five day trip for 1 person

Evaluation of Corrective Measure Alternatives (14200)

EAH will describe and evaluate each corrective measure alternative and its components. The evaluation of alternatives will be based on technical, environmental, human health and institutional concerns. The evaluation will also include a cost estimate for each corrective measure alternative.

Labor:

TOM	40
Environmental Protection Specialist	24
Sr. Engineer	40
Engineer	600
Scientist	40

Corrective Measures Study Report (14300)

Based on the evaluation of corrective measure alternatives, EAH will prepare a CMS Report for the IR sites. Justification of the selected corrective measure will be provided as well as a comparison of the selected alternative to the others evaluated. The criteria for selecting the alternative will be discussed as well as how the various alternatives were evaluated for each criterion. A draft CMS report will be submitted to SOUTHDIV and following inclusion of SOUTHDIV comments, a draft-final CMS report will be submitted to the TNRCC. A response to comments document and the Final CMS report will be prepared following comments by the regulatory agency.

Labor:

	<u>Draft</u>	<u>Dft-Fnl</u>	<u>RTC</u>	<u>Final</u>
TOM	20	8	4	8
EPS	20	4	2	4
Sr. Engineer	20	8	4	8
Engineer	200	60	24	60
Scientist	20	8	4	8
CADD	60	16	0	16
Tech. Editor	12	8	0	8

EnSafe / Allen & Hoshall
Travel Cost Summary by C.W.B.S. / CTO-069 MOD CL002
(Per Diem Rates as of 3/1/95)

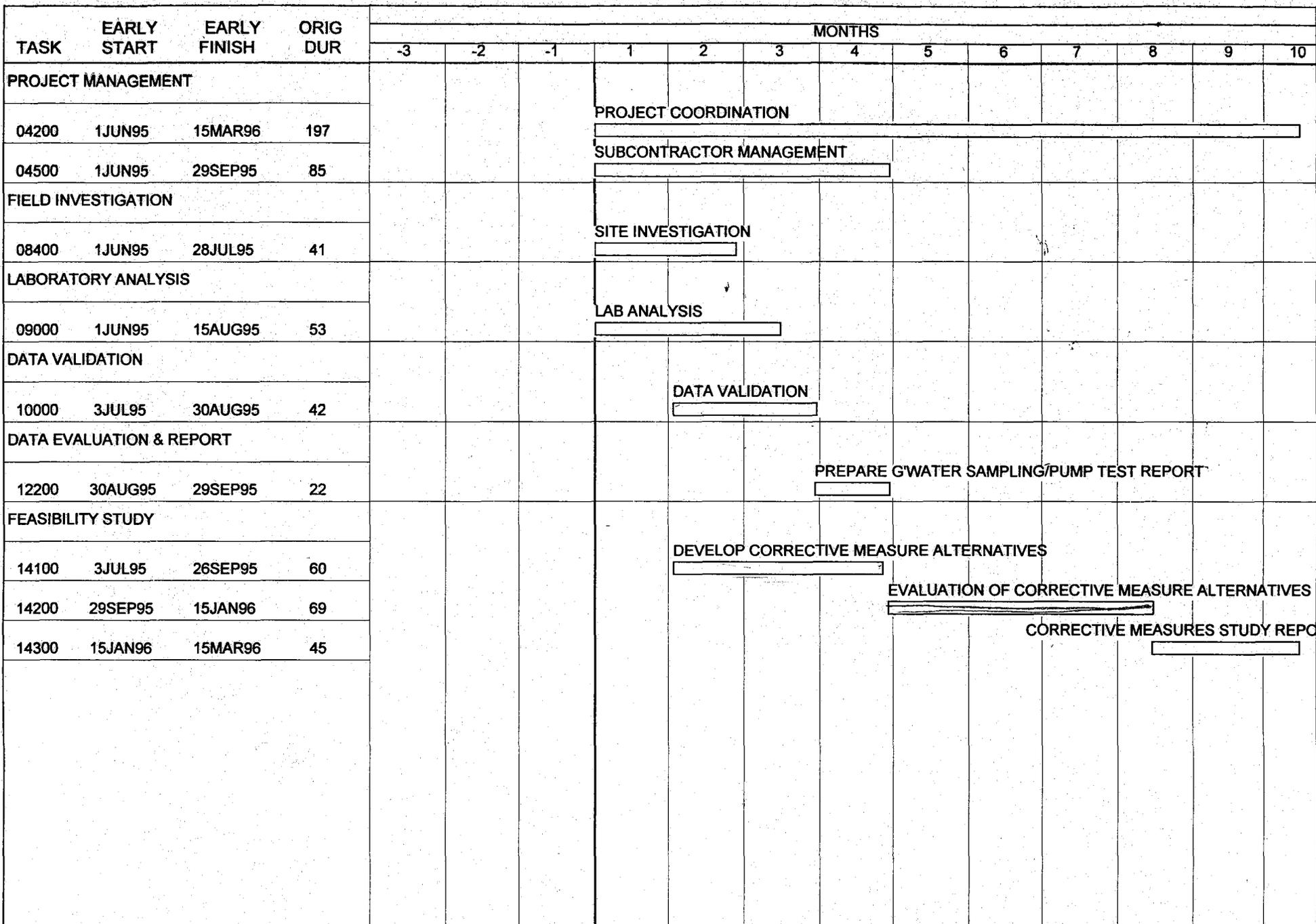
CWBS	DEST/DAYS	#Ppl	duration	Air Fares			Ground			Lodging			M&IE			Total
				Qty	Unit Cost	Ext.	Qty	Unit Cost	Ext.	Qty	Unit Cost	Ext.	Qty	Unit Cost	Ext.	
4200	Mem/Corpus	4	3 trips/2 day	12	\$880.00	\$10,560.00	12	\$50.00	\$600.00	24	\$64.00	\$1,536.00	24	\$30.00	\$720.00	\$13,416.00
8400	Mem/Corpus	2	1 trip/5 days	2	\$880.00	\$1,760.00	3 5	\$50.00	150 \$250.00	6 10	\$64.00	\$640.00	4 10	\$30.00	180 \$300.00	\$2,950.00
8400	Mem/Corpus	4	1 trip/10 day	4	\$880.00	\$3,520.00	20	\$50.00	\$1,000.00	40	\$64.00	\$2,560.00	40	\$30.00	\$1,200.00	\$8,280.00
8400	Mem/Corpus	2 4	1 trip/7 days	2 4	\$880.00	\$3,520.00	2 14	\$50.00	100 \$700.00	4 28	\$64.00	\$1,792.00	4 28	\$30.00	120 \$840.00	\$6,852.00
8400	Mem/Corpus	2	1 trip/10 day	2	\$880.00	\$1,760.00	10	\$50.00	\$500.00	20	\$64.00	\$1,280.00	20	\$30.00	\$600.00	\$4,140.00
14100	Mem/Corpus	1	1 trip/5 days	1	\$880.00	\$880.00	5	\$50.00	\$250.00	5	\$64.00	\$320.00	5	\$30.00	\$150.00	\$1,600.00
TOTALS						\$22,000.00		\$3,300.00		\$8,128.00		\$3,810.00		\$37,238.00		

~~1760.00~~
 -1760.00
 20240

$521 \times 50 = 26050$
 $133 \times 10 = 1330$
 $26050 - 1330 = 24720$

$99 \times 10 = 990$

$99 \times 30 = 2970$
 26,800



Plot Date 28MAR95
 Data Date 1JUN95
 Project Start 1MAR95
 Project Finish 15MAR96

Activity Bar/Early Dates
 Critical Activity
 Progress Bar
 Milestone/Flag Activity

MD69

EnSafe/Allen & Hoshall
 NAS Corpus Christi TX
 PROPOSED SCHEDULE (Draft)

Sheet 1 of 1

NAVY CLEAN N6246789-D-0318/CTO 069CLN002

Date	Revision	Checked	Approved

TASK	DESCRIPTION	TOTAL LABOR HOURS	TOTAL LABOR COST	TOTAL OVERHEAD COST	OTHER DIRECT COST	TOTAL PROJECT COST	SUBCONTRACTOR FEE AWARD 4.5%	AWARD FEE POOL 10%	TOTAL PRICE
04200	PROJECT COORDINATION	366	10022	12928	13416	36366	0	3637	40002
04500	SUBCONTRACTOR MANAGEMENT	80	1773	2277	0	4050	0	405	4455
08400	SITE INVESTIGATION	900	16392	21047	47916	85354	132	8241	93728
09000	LAB ANALYSIS	0	0	0	50056	50056	2105	328	52489
10000	DATA VALIDATION	44	779	1000	3275	5054	147	178	5379
12200	PREPARE G'WATER SAMPLING/PUMP TEST REPORT	316	5818	7470	0	13288	0	1329	14616
14100	DEVELOP CORRECTIVE MEASURE ALTERNATIVES	432	8294	10649	1600	20543	0	2054	22597
14200	EVALUATION OF CORRECTIVE MEASURE ALTERNATIVES	744	13698	17632	0	31330	0	3133	34463
14300	CORRECTIVE MEASURES STUDY REPORT	614	11468	14977	0	26445	0	2644	29089
		3496	68243	87980	116263	272486	2385	21949	296819

WBS NUMBER	DESCRIPTION	TOTAL LABOR HOURS	TOTAL LABOR COST	TOTAL OVERHEAD COST	OTHER DIRECT COST	TOTAL PROJECT COST	SUBCONTRACTOR FEE AWARD 4.5%	AWARD FEE POOL 10%	TOTAL PRICE
04	PROJECT MANAGEMENT	446	11795	15205	13416	40416	0	4042	44457
08	FIELD INVESTIGATION	900	16392	21047	47916	85354	132	8241	93728
09	LABORATORY ANALYSIS	0	0	0	50056	50056	2105	328	52489
10	DATA VALIDATION	44	779	1000	3275	5054	147	178	5379
12	DATA EVALUATION & REPORT	316	5818	7470	0	13288	0	1329	14616
14	FEASIBILITY STUDY	1790	33460	43258	1600	78318	0	7832	86150
		3496	68243	87980	116263	272486	2385	21949	296819

SECTION 2

DIRECT LABOR COSTS

DIRECT LABOR HOURS BY LABOR CATEGORY/WBS (RW-P1)

WBS/ TASK	DESCRIPTION	Task Order Manager 07	Senior Scientist 10	Scientist/ Chemist 11	SR Engineer/ Architect 14	Engineer/ Architect 15	TOTAL LABOR HOURS
04	PROJECT MANAGEMENT	190	0	40	72	72	446
08	FIELD INVESTIGATION	60	100	740	0	0	900
10	DATA VALIDATION	4	0	40	0	0	44
12	DATA EVALUATION & REPORT	24	60	200	0	0	316
14	FEASIBILITY STUDY	120	0	96	120	1264	1790
		398	160	1116	192	1336	3496

EnSafe/Allen & Hoshall

PRIMAVERA PROJECT PLANNER

NAS CORPUS CHRISTI CMS

REPORT DATE 28MAR95 RUN NO. 93
15:47

RESOURCE LOADING REPORT

START DATE 01MAR95 FIN DATE 15MAR96

RL-01 TOTAL YEARLY MANHOOR LOADING

TOTAL USAGE FOR YEAR

DATA DATE 01JUN95 PAGE NO. 1

RESOURCE	RESOURCE DESCRIPTION	1995	1996	TOTAL
07	Task Order Manager	311.09	86.91	398.00
10	Senior Scientist	160.00		160.00
11	Scientist, Chemist	1070.20	45.80	1116.00
14	Engineer/Architect, Senior	126.47	65.53	192.00
15	Engineer/Architect	885.31	450.69	1336.00
17	Draftsperson	24.00	92.00	116.00
18	Technical Editor	8.00	28.00	36.00
24	Environmental Protection Specialist	88.79	53.21	142.00
REPORT TOTAL		2673.85	822.15	3496.00

EnSafe/Allen & Hoshall

PRIMAVERA PROJECT PLANNER

NAS CORPUS CHRISTI CMS

REPORT DATE 28MAR95 RUN NO. 92
15:46

COST LOADING REPORT

START DATE 01MAR95 FIN DATE 15MAR96

CL-03 - TOTAL YEARLY LABOR COST LOADING SUMMARY

TOTAL USAGE FOR YEAR

DATA DATE 01JUN95 PAGE NO. 1

RESOURCE	RESOURCE DESCRIPTION	1995	1996	TOTAL
07	Task Order Manager	8625	2450	11074
10	Senior Scientist	3790		3790
11	Scientist, Chemist	17886	789	18674
14	Engineer/Architect, Senior	3235	1708	4943
15	Engineer/Architect	14685	7656	22341
17	Draftsperson	265	1052	1318
18	Technical Editor	126	456	582
24	Environmental Protection Specialist	3430	2089	5520
	REPORT TOTAL	52043	16200	68243

SECTION 3

Non-Labor Costs (ODC, Subcontracts & Travel)

TASK	DESCRIPTION	COURIER/ FREIGHT	PHONE	PRINTING	GROUND TRAVEL	AIRFARE	HOTEL	MEALS	OTHER / EQUIPMENT EXPEND	SUB- CONTRACTORS	TOTAL ODCs
04200	PROJECT COORDINATION	0	0	0	600	10560	1536	720	0	0	13416
04500	SUBCONTRACTOR MANAGEMENT	0	0	0	0	0	0	0	0	0	0
08400	SITE INVESTIGATION	2500	0	0	2450	10560	6272	2940	20253	2941	47916
09000	LAB ANALYSIS	3275	0	0	0	0	0	0	0	46781	50056
10000	DATA VALIDATION	0	0	0	0	0	0	0	0	3275	3275
12200	PREPARE G'WATER SAMPLING/PUMP TEST REPORT	0	0	0	0	0	0	0	0	0	0
14100	DEVELOP CORRECTIVE MEASURE ALTERNATIVES	0	0	0	250	880	320	150	0	0	1600
14200	EVALUATION OF CORRECTIVE MEASURE ALTERNATIVES	0	0	0	0	0	0	0	0	0	0
14300	CORRECTIVE MEASURES STUDY REPORT	0	0	0	0	0	0	0	0	0	0
		5775	0	0	3300	22000	8128	3810	20253	52997	116263

SECTION 4

Pricing Assumptions

EnSafe / Allen & Hoshall

PRICING ASSUMPTIONS

All data presented in this Cost Volume has been prepared in consideration of the Policies and Practices set forth in EnSafe / Allen & Hoshall's Cost Accounting Disclosure Statement dated 1 January, 1994, as well as the Disclosure Statements of the Parent Companies. All Disclosure Statements have been submitted to the Defense Contract Audit Agency, Nashville, TN for review. The following assumptions apply to all pricing contained herein:

Place and Period of Performance:

Period of Performance (PoP) is assumed to be 01 June, 1995 through 15 March, 1996. Activity is assumed to take place at NAS Corpus Christi, Texas.

Work Breakdown Structure:

Elements of activity and cost have been estimated, and are stated in terms of the CLEAN Work Breakdown Structure (CWBS) as promulgated by SOUTHDIV.

Direct Labor:

Direct Labor Categories and proposed rates used in estimating the ETC are defined by Contract N62467-89-D-0318, Modification POO014.

Actual costs presented reconcile to effective rates paid and posted to job order records through E/A&H's general ledger.

Indirect Rates:

In accordance with Contract N62467-89-D-0318, indirect costs are bid as a single overhead rate assuming allocation on the basis of Direct Labor.

CY95 Labor cost is burdened at 128.4%, and CY96 activity at 130.6%.

Travel Expense:

Travel costs included in the ETC are estimated based on Joint Travel Regulations Maximum Lodging and Per Diem Rates based on Joint Travel Regulations Change 341 dated 01 March 1995.

Air travel costs assume standard Coach Fares. Details regarding the buildup of costs for travel are contained in Attachment 2 to this document.

Subcontract and ODC Costs:

All Subcontract and ODC cost estimates contained in this volume are developed and disclosed on a "stand-alone" basis. Where costs are material in value, and estimated on any but the basis of a definitized contract, the procurement process will continue following proposal submittal, and the results of this process will be disclosed at the time of negotiations.

Award Fee Calculations:

Award fee calculations assume the negotiated pool available under the terms of Contract N62467-89-D-0318, and are based on the following allocations:

Direct Labor and Overhead	10.00%
Other Direct Costs	10.00%
Subcontract Costs	4.50%

Other:

Where practical, supporting data for estimates contained in this proposal is submitted herein. In those cases where the nature of the data makes it impractical for submittal, the detailed back-up is maintained in the Cost Estimating Branch of our offices at 5720 Summer Trees Drive, Suite 8, Memphis, Tennessee, 38134.

Such data is available for review by SOUTHDIV or DCAA at their convenience.

Questions regarding this Cost Volume should be directed to:

Becca Presley; Sr. Project Assistant (901)386-9344 x 21

or

Frank F. Alexander; Cost Analyst (901)386-9344 x 26

SECTION 5

Project Schedule by WBS

EnSafe / Allen & Hoshall
Summary of Subcontract and ODC Costs

TITLES	GL CODE	QTY	Days	Weeks	UNIT COST	TOTAL COS
W.B.S. 08400 EQUIPMENT AND SUPPLY LIST						
MONITORING WELL INSTALLATIO						
<i>Field Expense</i>						
Four-inch diameter PVC surge block	522-00	1			\$145.00	\$145.00
<i>Equipment-Rental</i>						
Water level indicator	510-04	1		1	\$80.00	\$80.00
HNU or Mini Rae	510-04	1		1	\$250.00	\$250.00
Van or pickup truck	510-04	1	4		\$50.00	\$200.00
GROUND WATER SAMPLING						
<i>Equipment-Rental</i>						
Water level indicators	510-04	2		3	\$80.00	\$480.00
HNU or Mini Rae	510-04	2		3	\$250.00	\$1,500.00
Van or pickup truck	510-04	2		3	\$50.00	\$300.00
Grundfos Pumps/Controllers	510-04	2		3	\$315.00	\$1,890.00
Temp/pH/Conductivity Meters	510-04	2		3	\$60.00	\$360.00
Generators	510-04			3	\$135.00	\$405.00
SPOILS/FLUIDS DISPOSAL						
<i>Field Expense</i>						
55-GALLON DRUMS	510-02	60			\$30.00	\$1,800.00
AQUIFER PUMP TEST						
<i>Equipment-Purchase</i>						
Rotometer flow meter/valve	510-02	1			\$80.00	\$80.00
Rain gauge	510-02	1			\$10.00	\$10.00
30 feet of discharge hose	510-02	1			\$50.00	\$50.00
200 feet of garden hose	510-02	1			\$100.00	\$100.00
<i>Equipment-Rental</i>						
Water level indicators	510-04	2		2	\$80.00	\$320.00
Van or Pickup Truck	510-04	1	10		\$50.00	\$500.00
Rental car	510-04	1	5		\$50.00	\$250.00
Grundfus Redi-flo2 pump/controller	510-04	1		2	\$315.00	\$630.00
Hermit 1000C data logger	510-04	2		2	\$400.00	\$1,600.00
Barometric Pressure Transducer	510-04	1		2	\$245.00	\$490.00
Transducers	510-04	3		2	\$245.00	\$1,470.00
Well Sentinel/Transducer Combos	510-04	8		2	\$400.00	\$6,400.00
GENERAL FIELD SUPPLIES						
<i>Field Expense</i>						
Latex Gloves - 1 case	522-00	1			\$6.75	\$6.75
Tyveks - 1 case	522-00	1			\$89.00	\$89.00
Teflon Tubing - 500 feet	522-00	500			\$1.50	\$750.00
Isopropanol - 2 gallons	522-00	2			\$16.00	\$32.00
Stainless Steel Buckets	522-00	2			\$10.00	\$20.00
Bubble Wrap - 1 roll	522-00	1			\$45.00	\$45.00
Freight	517-00				\$2,500.00	\$2,500.00
TOTAL COST						\$22,752.75

EnSafe/Allen & Hoshall

PRIMAVERA PROJECT PLANNER

NAS CORPUS CHRISTI CMS

REPORT DATE 28MAR95 RUN NO. 99
16:24

COST LOADING REPORT

START DATE 01MAR95 FIN DATE 15MAR96

CL-01 TOTAL COST LOADING SUMMARY

TOTAL USAGE FOR YEAR

DATA DATE 01JUN95 PAGE NO. 1

CATEGORY	CATEGORY DESCRIPTION	1995	1996	TOTAL
E	EQUIPMNT	19165		19165
F	FREIGHT	5775		5775
I	FRNG/OH	66904	21076	87980
L	LABOR	52043	16200	68243
M	SUPPLIES	1088		1088
S	SUBCONT	52997		52997
T	TRAVEL	33561	3677	37238
	REPORT TOTAL	231532	40953	272486

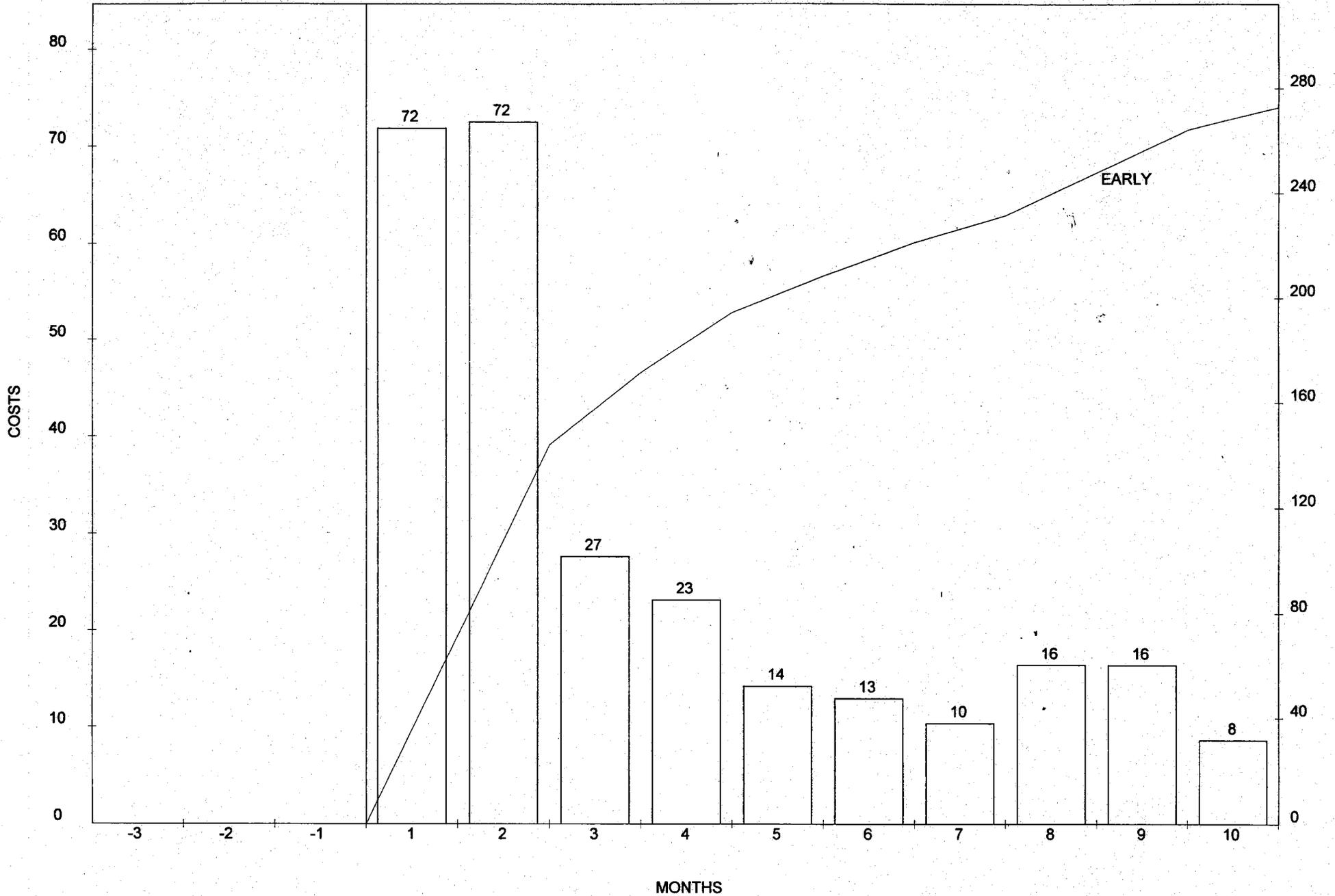
SECTION 6

**Project Spending Profile
(Monthly and Cumulative)**

x Thousand

PROJECTED COST

x Thousand



Project Start	1MAR95	<input type="checkbox"/> Schedule dates	MD69
Project Finish	15MAR96		
Data Date	1JUN95		
Plot Date	28MAR95		

EnSafe/Allen & Hoshall
 Corpus Christi CTO 69 CLN002
 CUMULATIVE AND MONTHLY COST

Sheet 1 of 1

U.S. Navy SOUTHDIRNAVAFACENCOM, N62467-89-D-0318			
Date	Revision	Checked	Approved

SECTION 7

Plan of Action