

JoAnn Stewart

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GOOD CHEVROLET

1630 Park Street • Phone 510/522-9221 ALAMEDA, CA 94501

August 8, 2000

Ms. Quyhn Hoa State Water Resources Control Board Division of Clean Water Programs P. O. Box 944212 Sacramento, CA 94244-2120

Re: Claim No. 12398

Dear Ms. Hoa:

Enclosed are the following documents, pertaining to implementation of a corrective action plan at 1630 Park Street, Alameda, CA 94501:

- 1. Revised Passive Remedial Action Work Plan prepared by Geo Plexus, Inc., dated December 21, 1999.
- 2. Workplan Approval by eve chu, Alameda County Health Care Services, dated January 19, 2000.
- 3. Request for Proposal to Implement Corrective Action Plan, dated March 13, 2000, which sent under our cover letter to nine prospective bidders in addition to Geo Plexus, Inc., the firm we have used previously.
- 4. Responses received from Environmental Strategies Corporation and Geo Plexus, Inc.

To date I have been unable to locate another firm willing to give us a third bid for the work required by Alameda County. I would appreciate your evaluation of the enclosed bids, and if possible approval to use Geo Plexus, Inc. to finish up this project.

Thank you for your consideration.

Sincerely yours,

JoAnn Stewart

JKS:is



CALIFORNIA UNDERGROUND STORAGE TANK CLEANUP FUND COST PRE-APPROVAL REQUEST

(Complete form, enclose required items, sign, date & return)

TO: _	Quynh Ho	a	Fax: (916) 227-4530							
I. CL.	AIM INFORM A. CLAIM		12398	B CLAIMANT	Good Chevr	rolet				
					Good onevi	,				
	C. CLAIM STATUS (complete appropriate section) i) LOC ISSUED FOR \$ 60,000.00									
	ii) ON PRIORITY LIST? XYES NO IF YES, PRIORITY CLASS A B C X D iii) NOT YET APPLIED TO THE FUND, EXPECTED APPLICATION DATE: D. CONTACT PERSON: JoAnn Stewart PHONE: 510-522-9221 ADDRESS: 1630 Park Street FAX: 510-523-4325 Alameda, CA 94501									
II. <u>TY</u>	<u>PE OF REQU</u>	IEST (chec	k appropriate b	oxes)						
☐ PF	RE-APPROVA	L \$_			AMOUNT RE	QUESTED				
X 3-	BID REVIEV	v \$_	72,804.00		PREFERRED	BID (if applicable)				
THE F	OLLOWING ESTED MUS	DOCUME T BE SUBI	NTS ARE REQ MITTED <u>OR T</u>	UIRED FOR THE SPEC HE REQUEST(S) WILL	CIFIED REQUES BE RETURNED	T. ALL DOCUMENTS UNPROCESSED.				
de 1. 2 3 3.X 4 X 5 6 B. <u>TH</u> ev:	A complete sand required Plans must in A signed copy A complete coincluded. Complete copy A time schedu A detailed property REE-BID RE	ill be made igned copy by Article nclude the resolution of the over opy of the Ries of all bitle, if not project budget	by Fund Staff. of the proposed 11. Chapter 16. equired feasibilities agency at the equest for Bids ds and other control bid document of bid do	I Investigation Workplan California Underground ity study and chosen cosporoval letter for the Wo, including all attachment rrespondence submitted nents, anticipated for prospers breakdowns of staff/tastacture.	or Corrective Act Storage Tank Ret effective alternative alternative Act of all for the staff will assist a staff will assist a	irms requested to bid must be Request for Bids.				
Item A above. III. <u>CERTIFICATION</u> I certify under penalty of perjury that all information submitted with this request is complete and accurate and in accordance with all applicable laws and regulations. <u>Must be signed by claimant or person designated on the Authorized Representative</u> <u>Designation form</u>										
b		Henry	<u></u>	oAnn Stewart		8/8/00				
&ignat	ure		Pri	nted Name		Date				
				name and phone numbe	r to other claimai	nts in your region as a				
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Signat			Da							



Health & Safety Training • Geo/Environmental Personnel • Engineering Geology Consultants • Environmental Management Consultants

May 12, 2000

Ms. Jo Ann Stewart General Manager Good Chevrolet 1630 Park Street Alameda, California 94501

Subject: Proposal for Implementation of Corrective Action Plan for Good Chevrolet, 1630 Park Street, Alameda, CA

Dear Ms. Stewart:

In accordance with your request, Geo Plexus, Incorporated is please to submit this Proposal to implement the Risk Based Corrective Action (RBCA) Plan for your property located at 1630 Park Street, in the City of Alameda, Alameda County, California.

The objective of the proposed remedial action is to achieve sustained concentrations of Benzene and MTBE (and associated petroleum related contaminants) in the ground water below the RBCA Tier-II Threshold Levels for a commercial cancer risk of 1 x 10-5. It is fully anticipated that residual concentrations of heavier hydrocarbon compounds (referred to as Total Petroleum Hydrocarbons) will persist in the soil and ground water following completion of the treatment period. However, it is noted that current State of California guidelines do not include these heavier petroleum compounds in the remedial criteria.

To accomplish this objective, it is proposed to inject Oxygen Releasing Compounds (ORC's), manufactured and distributed by Regenisis Bioremediation Products and composed of magnesium peroxide directly into the soil throughout the "source area" as indicated in the Corrective Action Plan documents. It is anticipated that approximately 25-30 injection locations (advanced on 5-foot grid centers) with injection from 4-feet to 18-feet below the ground surface would be required to accomplish the initial remedial strategy.

The effectiveness of the remedial program would be monitored using existing ground water monitoring wells and is not anticipated to result in additional wells at the site. To monitor the oxygenation and remediation process, soil gas parameters including: lower explosive limit (LEL), total volatile hydrocarbons (TVH), percent oxygen (O₂), and carbon dioxide (CO₂) content will measured along with the dissolved oxygen (DO) content of the ground water in the monitoring wells. In addition, Alameda County has required that the ground water also be monitored for oxidation-reduction potential, nitrate, sulfate, ferrous ion and alkalinity.

It is anticipated that the passive remedial action would take approximately 18-30 months to accomplish the objective with one additional ORC re-injection episode (after 1-year) to restimulate recalcitrant sections of the contaminant plume.

Quarterly ground water monitoring reports will be prepared to continue to document the ground water conditions and to present the results of the analytical testing.

We have prepared a Detailed Cost Breakout (see attached spreadsheet) and have summarized the charges below:

Design, Preparation, Permitting, Site Verification	\$ 2,190
Mobilization and Initial ORC Installation	\$ 10,599
Initial Start-Up Testing	\$ 2,568
18-Months Operation and Maintenance	\$ 15,863
Sampling, Testing, and Reporting Initial 18-Months	\$ 19,340
Mobilization and Re-Initial ORC Installation	\$ Incl.
Charges for Additional 12-Months of Operation and Maintenance	\$ 14,550
Sampling, Testing, and Reporting Additional 12-Months	\$ 5,934
Regulatory Coordination, Meetings, Final Report	\$ <u>1,760</u>
Total Estimated Charges:	\$ 72,804

It has been a pleasure to be of service to you on this project and we look forward to the opportunity to be of continued service. Questions or comments regarding this Proposal should be addressed to the undersigned.

Respectfully submitted,

Geo Plexus, Incorporated

Cathrene Diane Glick, CEG 1338, HG 32

Director, Geologic and Environmental Services

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			DIAL AC					
	EV	HANCED	BIOVEN	TING FEE	S			
		No.	Unit	Total	UNIT	LUMP	COST	TOTAL
TASK					COST	SUM		COST
		1	=====	======	=======	=======	=======	======
1.0	WORK PLAN SCHEDU		RDINATE				7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
	senior eng geol	0.25	8	2	\$95.00	\$0	\$190	-
	project geologist	0.50	8	4	\$85.00	\$0	\$340	
	typist	0.00	8	0	\$40.00	\$0	\$0	\$530
		<u> </u>	ļ <u></u>				-	
1.1	PREPARE SITE SAFE						-	
	senior eng geol	0.00	8	0	\$95.00	\$0	\$0	'
·	project geologist	0.25	8	2	\$85.00	\$0	\$170	
	typist	0.25	8	2	\$40.00	\$0	\$80	\$250
4.0	DEDMITTION	 						
1.2	PERMITTING	<u> </u>						
	senior eng geol	0.00	8	0	\$95.00	\$0	\$0	
	project geologist	0.25	8	2	\$85.00	\$0	\$170	······································
	staff geologist	1.00	8	8	\$75.00	\$0	\$600	
	typist	0.00	8	0	\$40.00	\$0	\$0	
	Water Board Permit	0.00	8	0	\$400.00	\$0	\$0	
	Air Board Fees	0.00	1	0	\$785.00	\$0	\$0	\$770
2.0	SITE VERIFICATION							
	senior eng geol	0.00	8	0	\$95.00	\$0	\$0	
	project geologist	0.50	8	4	\$85.00	\$0	\$340	· · · · · · · · · · · · · · · · · · ·
	staff geologist	0.50	8	4	\$75.00	\$0	\$300	
	Construction Mngr	0.00	8	0	\$85.00	\$0	\$0	· · · · · · · · · · · · · · · · · · ·
	Utility Locators	0.00	0	0	\$750.00	\$0	\$0	
	Loader/Backhoe	ļ		each	\$150.00	\$0	\$0	1
	Loader		0	each	\$225.00	\$0	\$0	\$640
	10% MARKUP							· · · · · · · · · · · · · · · · · · ·
		<u></u>			·	-		
3.0	MOBILIZATION/COORD							
	senior geologist	0.00	8	0	\$95.00	\$0	\$0	· · · · · · · · · · · · · · · · · · ·
	senior engineer	0.00	8	0	\$95.00	\$0	\$0	,
	project geologist	1.00	8	8	\$85.00	\$0	\$680	
	construct mngr	0.00	8	. 0	\$85.00	\$0	\$0	\$680
								<u> </u>
	ADDITIONAL MONITOR		LS					
	mob/demob rig	0	8	0	\$135	\$0	\$0	· · · · · · · · · · · · · · · · · · ·
	mob/demob proj geol	0	8	0	\$85	\$0	\$0	
	mob/demob staff geol	0	8	0	\$135	\$0	\$0	·
	drill rig & operator	0	10	0	\$135	\$0	\$0	
	project geologist	0	8	0	\$85	\$0	\$0	
	staff geologist	0	10	0	\$75	\$0	\$0	
						~··		

Sheet1

	FIELD SUPPLIES							
	2" slotted PVC	0	10 ft Ingti	h	\$31	\$0	\$0	
	2" slotted PVC	0	5 ft Ingth		\$37	\$0	\$0	
	2" solid PVC		10 ft Ingti		\$20	\$0	\$0	
	2" PVC end plug		each	[\$8	\$0	\$0	· · · · · · · · · · · · · · · · · · ·
	2" PVC locking caps	0	each		\$18	\$0	\$0	
	sand	0	bags		\$7	\$0	\$0	
	bentonite pellets		buckets	-	\$34	\$0	\$0	
	christy boxes	0	each		\$78	\$0	\$0	;
ľ	55 gallon containers	0	each		\$45	\$0	:\$0	7,1,
	concrete slurry	0	yd		\$185	\$0	\$0	\$0
				ļ —				·
4.1	ORC TREATMENT INJ	ECTION						
	mob/demob rig	1 1	8	8	\$135	\$0	\$1,242	
	mob/demob proj geol	0.5	8	4	\$85	\$0	\$340	
	mob/demob staff geol	1	8	8	\$75	\$0	\$600	
	drill rig & operator	3	10	30	\$135	\$0	\$4,658	•
	project geologist	0.75	8	6	\$85	\$0	\$510	
	staff geologist	3	10	30	\$75	\$0	\$2,250	
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	FIELD SUPPLIES	 _ _	40 (1)					
	2" slotted PVC		10 ft Ingth		\$31	\$0	\$0	··
	2" slotted PVC		5 ft ingth		\$37	\$0	\$0	
	2" solid PVC		10 ft Ingth	1	\$20	\$0	\$0	
	2" PVC end plug		each		\$8	\$0	\$0	
	2" PVC locking caps		each		\$18	\$0	\$0	
	sand		bags		\$7	\$0	\$0	
	bentonite pellets		buckets		\$34	\$0	\$0	
	christy boxes		each		\$78	\$0	\$0	
	55 gallon containers		each		\$45	\$0	\$0	
	concrete slurry	1.5	yd		\$185	\$0	\$319	\$9,919
5.0	TRENCHING AND PIPI	IG INST	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				***************************************	
0.0	support truck	0.00	1	0	\$75.00	\$0	\$0	
	saw cutting	0.00	1	0	\$800.00	\$0 \$0	\$0 \$0	-
	loader/backhoe	0.00	1	0	\$250.00	\$0 \$0	\$0	
	trencher	0.00	1	0	\$250.00	\$0	\$0 \$0	
	Dozer	0.00	1	0	\$500.00	\$0 \$0	\$0 \$0	***************************************
	Loader	0.00	1	0	\$500.00		\$0 \$0	
	Trucking	0.00	1	. 0	\$900.00	\$0	\$0 \$0	,
	Traffic Control	0.00	1	0	\$0.00	\$0 \$0	\$0 \$0	
	Debris disposal	0.00	1	0	\$800.00	\$0 \$0	\$0 \$0	
	Compaction testing	0.00	1	0	\$0.00	\$0 \$0	\$0 \$0	
	1" & 2" Pipe	0.00	1	0	\$0.00 \$1.85	\$0 \$0	\$0 \$0	. /
	Pipe Fittings	0.00	1	0	\$1.50	\$0 \$0	\$0	
	Traffic Vaults	0.00	1	0	\$150.00	\$0 \$0	\$0 \$0	
	Backfill Materials	0.00	1	0				···-
	Concrete Re-Surface	0.00	1	0	\$35.00	\$0 \$0	\$0	60
	10% MARK UP	0.00	1		\$165.00	\$0	\$0	\$0
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EQUIPMENT INSTALL	<u>.</u>				T		
senior geologist	0.00	8	0	\$95.00	\$0	\$0	
project geologist	0,00	8					
construct mngr	0.00	8					
labor	0.00	8	0				
City permits	0.00	1					
sanitary hookup	0.00	1					
water hookup	0.00	1	0		\$0		
storm hookup	0.00	1	0		\$0	\$0	·····
elect/PGE design	0.00	1	0	\$500.00	\$0	\$0	
electrical panel	0.00	1	0				
equipment pad	0.00	1	0				
vacuum pump	0.00	1	0				
moisture knock out	0.00	1					
Activated Carbon	0.00						
ORC Materials	0.00	1					
secondary contain	0.00	1					;
fencing	0.00						
other	0.00	1	0				
10% MARK UP	<u> </u>	-		75.5			
STARTUP TESTING							· · · · · · · · · · · · · · · · · · ·
project geologist	0.75	8	6	\$85.00	\$0	\$510	
	1.00	8					
	0.00						
technician							
air analysis/8015							
							\$2,568
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18 MONTHS OF OPER	ATIONS A	ND MAIN	TENANC	E			· · · · · · · · · · · · · · · · · · ·
					\$0	\$0	· -
project geol	0.25						
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technician	~4						
vacuum pump/equip.							
	~						<u>.</u>
Activated Carbon	-			 			
							
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							\$15,863
	+ 5.55			770.00	Ψ0	Ψ0	Ψ10,003
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	senior geologist project geologist construct mngr labor City permits sanitary hookup water hookup storm hookup elect/PGE design electrical panel equipment pad vacuum pump moisture knock out Activated Carbon ORC Materials secondary contain fencing other 10% MARK UP STARTUP TESTING project geologist staff geologist staff geologist construct mngr technician air analysis/8020 GCFID 3550 (water) GCFID 8260 (water) GCFID 8260 (water) 15% MARKUP 18 MONTHS OF OPER construct mngr project geol staff geologist technician vacuum pump/equip. utilities Activated Carbon ORC Materials Water Disposal air analysis/8020 15% MARKUP	Senior geologist	Senior geologist	Senior geologist	Senior geologist	Senior geologist	Senior geologist

Sheet1

7.1	MONTHLY MONITORI	NG						
	principal engineer	0.00	18	0	\$125.00	\$0	\$0	
	senior geologist	0.00	18	0	\$95.00	\$0	\$0	
	project geologist	0.00	18	0	\$85.00	\$0	\$0	
	staff geologist	0.00	18	0	\$75.00	\$0	\$0	
	draftsman	0.00	18	0	\$45.00	\$0	\$0	
	typist	0.00	18	0	\$40.00	\$0	\$0	\$0
							,	
7.2	QUARTERLY WELL S.	AMPLING						
	project geologist	0.00	6	0	\$85.00	\$0	\$0	
	staff geologist	10.00	6	60	\$75.00	\$0	\$4,500	***************************************
	technician	10.00	6	60	\$60.00	\$0	\$3,600	,
	Traffic Control	0.00	6	0	\$0.00	\$0	\$0	******
	55 gallon containers	1.00	6	6	\$45.00	\$0	\$270	**************************************
	hand/bladder pump	0.00	6	0	\$150.00	\$0	\$0	
	GCFID 5030 (water)	6.00	6	36	\$45.00	\$0	\$1,863	
	GCFID 3550 (water)	0.00	6	0	\$45.00	\$0	\$0	·····
	GCFID 8260 (water)	6.00	6	36	\$125.00	\$0	\$5,175	
	GCFID 8010 (water)	6.00	6	36	\$45.00	\$0	\$1,863	\$17,271
	15% MARKUP							
								,
7.3	QUARTERLY REPORT							
	principal engineer	0.00	6	0	\$125.00	\$0	\$0	
	senior geologist	1.00	6	6	\$95.00	\$0	\$570	
	project geologist	2.00	6	12	\$85.00	\$0	\$1,020	,
	staff geologist	0.50	6	3	\$75.00	\$0	\$225	
	draftsman	0.50	6	3	\$45.00	\$0	\$135	,
	typist	0.50	6	3	\$40.00	\$0	\$120	\$2,070
8.0	ODTIONAL 40 MONTH	0.05.005	<u> </u>					
0.0	OPTIONAL 12 MONTH							
		0.00	12	0		onstruc t\$0 nr		
	project geol	0.25	12	3	\$85.00	\$0	\$255	*
	staff geologist	0.50	12	6	\$75.00	\$0	\$450	
	technician	16.00	4	64	\$60.00	\$0	\$3,840	-
	vacuum pump/equip.	0.00	12	0	\$400.00	\$0	\$0	
	utilities	0.00	12	0	\$185.00	\$0	\$0	
	Activated Carbon	0.00	1	0	\$1,300.00	\$0	\$0	
	ORC Materials	1.00	1	1	\$8,700.00	\$0	\$10,005	
	Water Disposal	0.00	1	0	\$600.00	∴ \$0	\$0	, .
	air analysis/8015	0.00	1	0	\$45.00	\$0	\$0	
	air analysis/8020	0.00	1	0	\$45.00	\$0	\$0	\$14,550
	15% MARKUP	-						
8.1	MONTHLY MONITORIN	IG					`-	
	principal engineer	0.00	12	0	\$125.00	\$0	\$0	
	senior geologist	0.00	12	0	\$95.00	\$0	\$0	
	project geologist	0.00	12	0	\$85.00	\$0	\$0 \$0	
	staff geologist	0.00	12	0	\$60.00	\$0	\$0	
	draftsman	0.00	12	. 0	\$45.00	\$0	\$0	
	typist	0.00	12	0	\$40.00	\$0	\$0	\$0
	- F	 			Ψ+0.00	<u>_</u>	- - 40	Ψυ

Sheet1

8.2	QUARTERLY WELL SA	MPLING	*****					
	project geologist	0.00	4	0	\$0.00	\$0	\$0	
	staff geologist	10.00	4	40	\$0.00	\$0	\$0	· · · · · · · · · · · · · · · · · · ·
	technician	10.00	4	40	\$0.00	\$0	\$0	7-1-1
	Traffic Control	0.00	4	0	\$0.00	\$0	\$0	
	55 gallon containers	0.00	4	0	\$45.00	\$0	\$0	
	hand/bladder pump	0.00	4	0	\$150.00	\$0	\$0	
	GCFID 5030 (water)	6.00	4	24	\$45.00	\$0	\$1,242	
	GCFID 3550 (water)	0.00	4	0	\$45.00	\$0	\$0	
	GCFID 8260 (water)	6.00	4	24	\$125.00	\$0	\$3,450	
	GCFID 8010 (water)	6.00	4	24	\$45.00	\$0	\$1,242	\$5,934
	15% MARKUP							
9.0	QUARTERLY REPORT							
	principal engineer	0.00	6	0	\$0.00	\$0	\$0	
	senior geologist	1.00	6	6	\$0.00		\$0 \$0	
	project geologist	2.00	6	12	\$0.00	\$0	\$0	
	staff geologist	0.50	6	3	\$0.00	\$0	\$0	
	draftsman	0.50	6	3	\$0.00	\$0	\$0	
	typist	0.50	6	3	\$0.00	\$0	\$0	\$0
10.0	REGULATRY CORRDIN	ATION						
10.0	principal engineer	0.00	8	0	#42E 00	C O		
	senior geologist	1.00	8	8	\$125.00 \$95.00	\$0	\$0	
	project geologist	0.00	8	0	\$85.00	\$0 \$0	\$760 \$0	\$760
-	project geologics	0.00			Ψ00.00		Ψ0	Ψίου
11.0	FINAL REPORT							
	principal engineer	0.00	8	0	\$125.00	\$0	\$0	***************************************
	senior geologist	0.25	8	2	\$95.00	\$0	\$190	
	project geologist	0.50	8	4	\$85.00	\$0	\$340	
	staff geologist	0.50	8	4	\$75.00	\$0	\$300	
	technician	0.00	8	0	\$60.00	\$0	\$0	
	draftsman	0.25	8	2	\$45.00	\$0	\$90	,
	typist	0.25	8	2	\$40.00	\$0	\$80	\$1,000
12.0	SYSTEM REMOVAL AN	D CLEAN	IUP		•			-
	senior geol	0.00	8	0	\$95.00	\$0	\$0	
	project geol	0.00	8	Ō	\$85.00	\$0	\$0	
	construct mngr	0.00	8	<u>ō</u>	\$85.00	\$0	, \$0	***************************************
	labor	0.00	8	0	\$60.00	\$0	\$0	
	carbon regeneration	0.00	1	0	\$1,200.00	\$0	\$0	
	disposal charges	0.00	1	0	\$600.00	\$0	\$0	\$0
	10% MARKUP							·····
				-		TOTAL		
	<u> </u>			<u></u>		TOTAL		\$72,804



ENVIRONMENTAL STRATEGIES CORPORATION

226 Airport Parkway * Suite 630 * San Jose, California 95110 * (408) 453-6100 * Fax (408) 453-0496

April 17, 2000

Ms. JoAnn Stewart Safety Coordinator Good Chevrolet 1630 Park Street Alameda, California 94501

via facsimile 510.523,4325 via regular mail

Re: Proposal to Implement Corrective Action Plan for

Good Chevrolet - 1630 Park Street, Alameda, California

Dear Ms. Stewart:

Environmental Strategies Corporation (ESC) is pleased to submit this cost proposal to implement the Corrective Action Plan for Good Chevrolet, located at 1630 Park Street, Alameda, California. The proposal includes the following six tasks:

Scope of Work

- (Task 1) Design, Preparation, Permitting, Site Verification
- (Task 2) Mobilization and Initial Oxygen Release Compound (ORC) System Installation
- (Task 3) Initial Startup Testing
- (Task 4) 18-Months Operation and Maintenance/Sampling, Testing, and Reporting Initial 18 Months
- (Task 5) Remobilization and Reinjection of ORC
- (Task 6) Additional 12 Months of Operation and Maintenance/Sampling, Testing, and Reporting for an Additional 12 Months

Task 1 will consist of design, preparation, permitting, and site verification activities. These activities will include project planning, workplan preparation, contractor procurement, permit acquisition, and site verification activities including utility and borehole clearance.

Task 2 will include contractor procurement, material acquisition, a site visit for layout and clearance purposes, ORC injection at up to 30 locations, ORC injection oversight, and report preparation.

Task 3 will include a "baseline" round of sampling that will initially be performed on a monthly basis for two months. The monitoring frequency will be decreased to quarterly or biannual intervals after biodegradation and geochemical trends have been identified. Groundwater analytical results will be summarized and presented in a groundwater monitoring report following each sample event. Costs for this task include labor, chemical analysis, contractor acquisition, equipment rental, and report preparation.

Task 4 consists of quarterly groundwater monitoring for the initial 18-month period. The costs to complete this task also include chemical analysis, labor costs, contractor acquisition, equipment rental, and report preparation.

Task 5 includes remobilization and ORC reinjection. The costs for completing this task are based on the assumption that approximately 50% of the locations will require reinjection. However, the number of reinjection points will depend on product performance.

Task 6 includes costs associated with quarterly groundwater monitoring for an additional 12-month period and includes labor, analytical, contractor, and equipment rental costs.

The cost to conduct each task is provided as detailed below:

Total	\$179,096
(Task 6) Additional 12 Months of Operation and Maintenance/ Sampling, Testing, and Reporting Additional 12 Months	\$29, <u>282</u>
(Task 5) Remobilization and Reinjection of ORC	\$41,632
(Task 4) 18-Months of Operation and Maintenance/ Sampling, Testing, and Reporting Initial 18-Months	\$39,549
(Task 3) Initial Startup Testing	\$22,216
(Task 2) Mobilization and Initial ORC Installation	\$43,357
(Task 1) Design, Preparation, Permitting, Site Verification	\$3,060

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Assumptions/Contingencies

This proposal does not include costs to transport or dispose of materials generated during the implementation of the Corrective Action Plan. However, based on the analytical results received during the implementation, ESC can provide you with a cost estimate for disposal of generated waste.

ESC proposes to perform the work on a time and materials basis with a not-to-exceed cost of \$179,096. ESC will not exceed this cost estimate without prior authorization. Per your request, we have attached our 2000 fee schedule. If you have any questions regarding any of the provided costs, please do not hesitate to call.

Sincerely, Ruhard E. Freudenberge

Richard E. Freudenberger Senior Vice President

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The content of this proposal has been reviewed and the below designee authorizes Environmental Strategies Corporation to proceed with the technical work proposed herein.

Authorized Signature Date



ENVIRONMENTAL STRATEGIES CORPORATION

226 Airport Parkway * Suite 630 * San Jose, California 95110 * (408) 453-6100 * Fax (408) 453-0496

2000 Fee Schedule for Professional Services

ESC professional consulting services are charged at the following hourly rates:

President/Vice Presidents	\$110.00 - \$170.00
Directors/Managers	\$ 95.00 - \$130.00
Senior Professionals	\$ 75.00 - \$ 100.00
Staff Professionals	\$ 55.00 - \$ 85.00
Designers/Graphic Specialists/GIS	\$ 50.00 - \$ 75.00
Support Staff	\$ 40.00 - \$ 60.00

Reimbursable expenses are charged at cost plus a 15% administrative/carrying fee. ESC's equipment is charged at a standard daily rate. There is no additional charge for use of in-house computers for analytical calculations, word processing, modeling, or Computer Aided Design and Drafting (CADD). Geographic Information Systems (GIS) use is charged at \$20 per hour. Subcontractors are charged at cost plus a 7.5% administrative/carrying fee. A 1.5 multiplier is applied to all labor rates for depositions, response to Subpoenas, and expert testimony.

This Fee Schedule contains confidential business information and is not to be copied or distributed unless authorized by ESC.

Revised 10/28/99 g:\agrmnt\Fee00.doc