

TOWN OF SALINA LANDFILL
REMEDIAL INVESTIGATION/FEASIBILITY STUDY

SITE I.D. NO. 734036

WORK PLAN
VOLUME II - BUDGET

PREPARED FOR:

TOWN OF SALINA
201 School Road
Liverpool, New York 13088

MAY 15, 1998

PREPARED BY:

CLOUGH, HARBOUR & ASSOCIATES LLP
Engineers, Surveyors, Planners & Landscape Architects
109 South Warren Street, Suite 1300
Syracuse, New York 13202

CHA Project No. 6967



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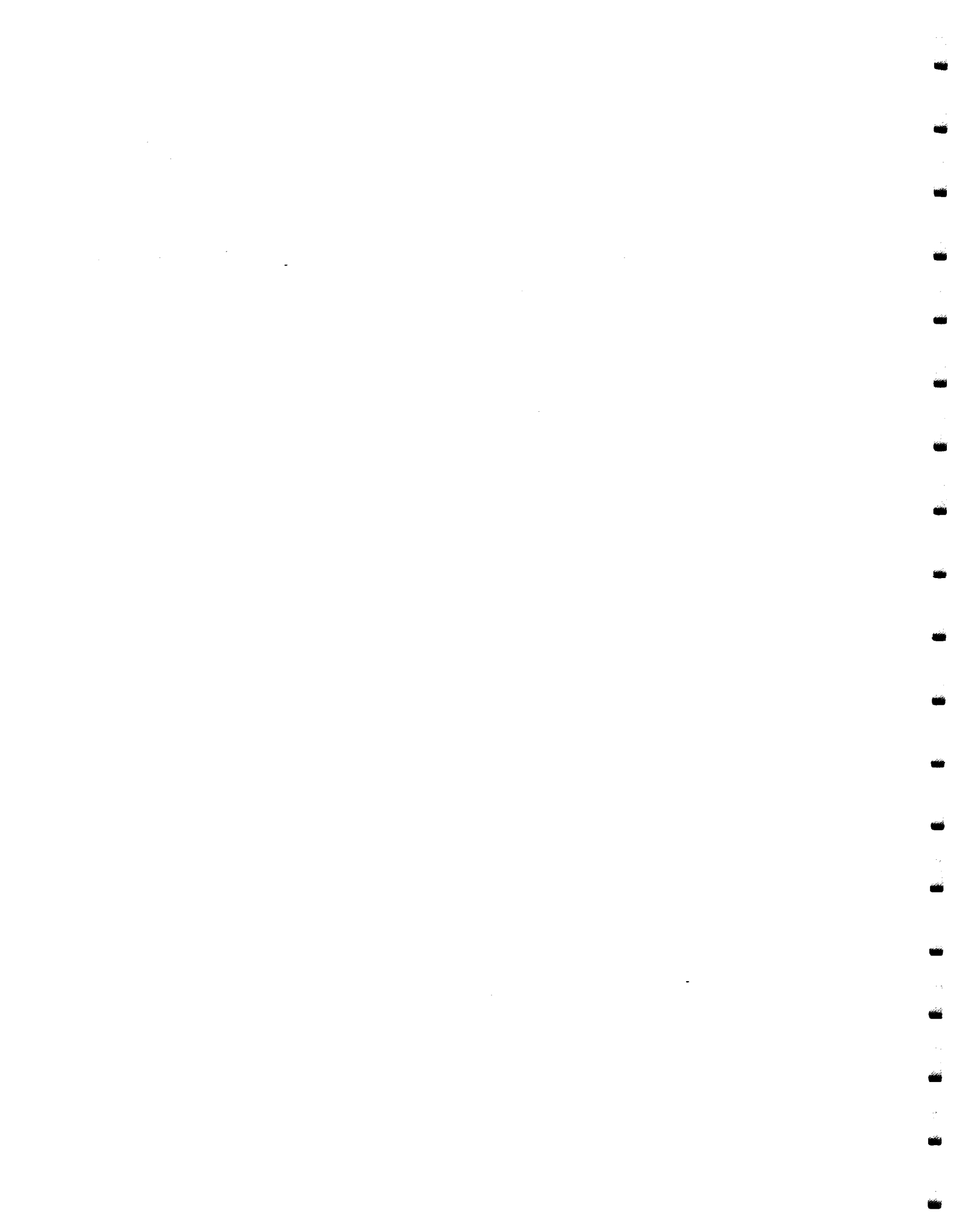
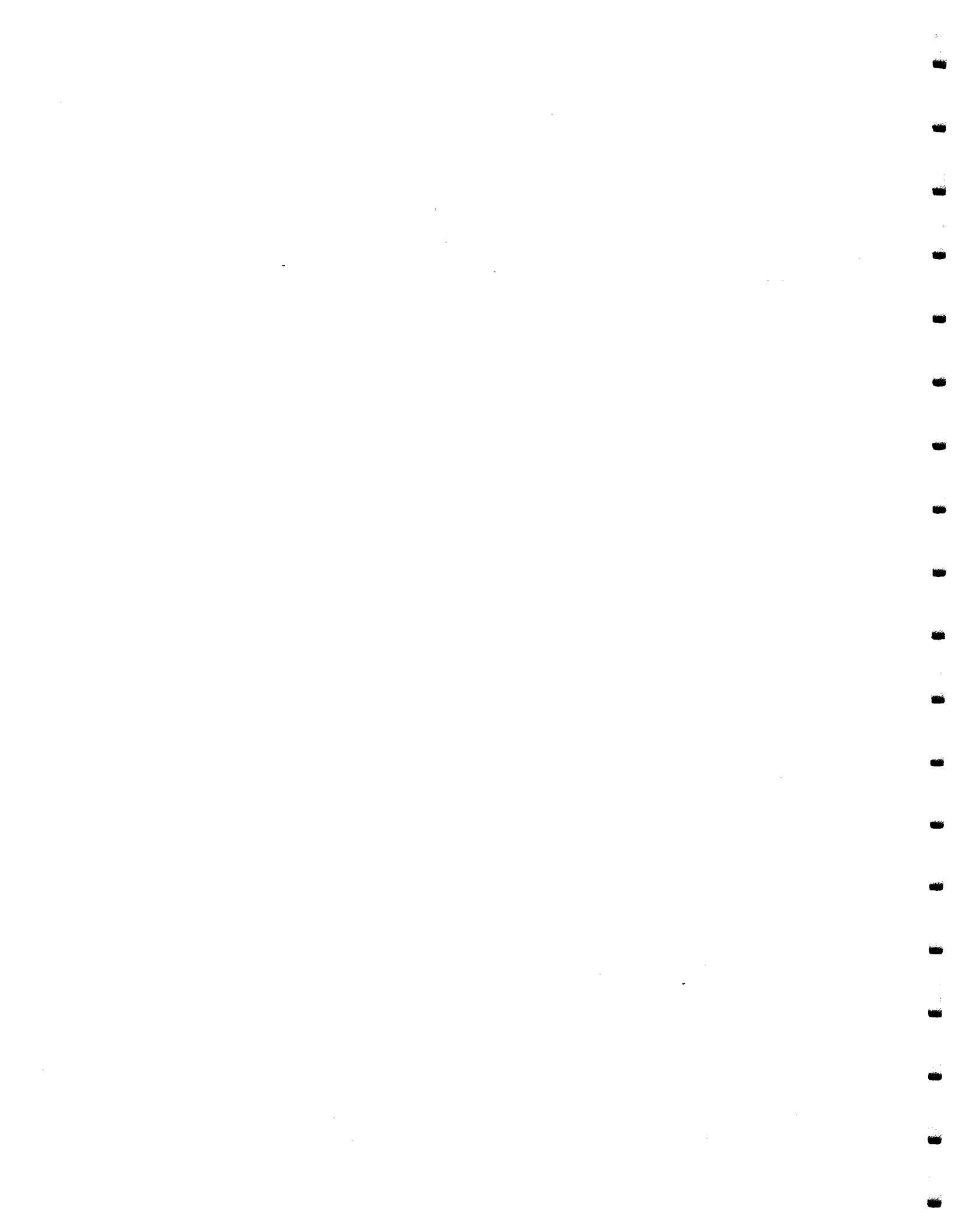
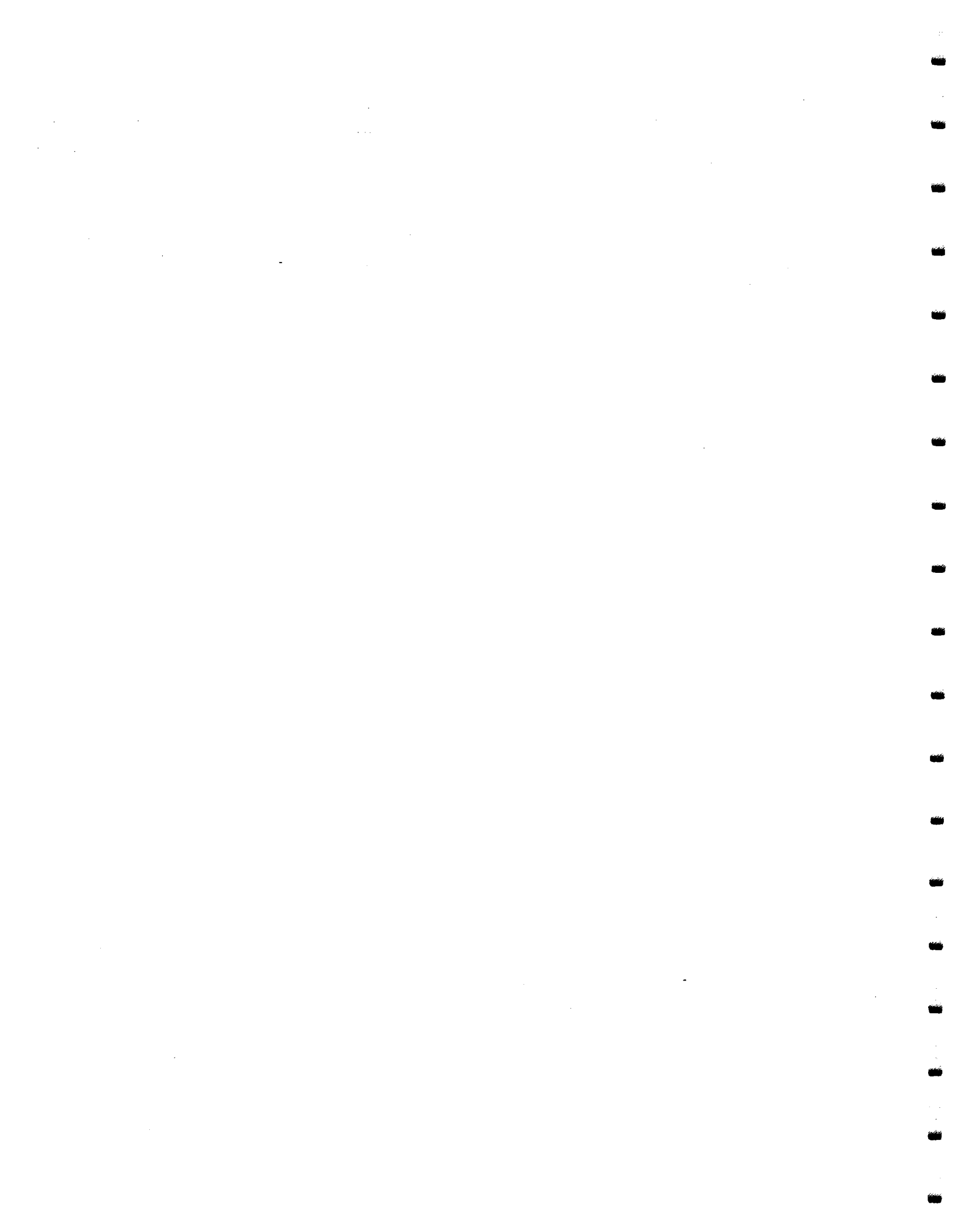


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SECTION 1



Clough, Harbour & Associates LLP (CHA) has been retained by the Town of Salina to conduct a Remedial Investigation and Feasibility Study (RI/FS) of the former Town of Salina Landfill.

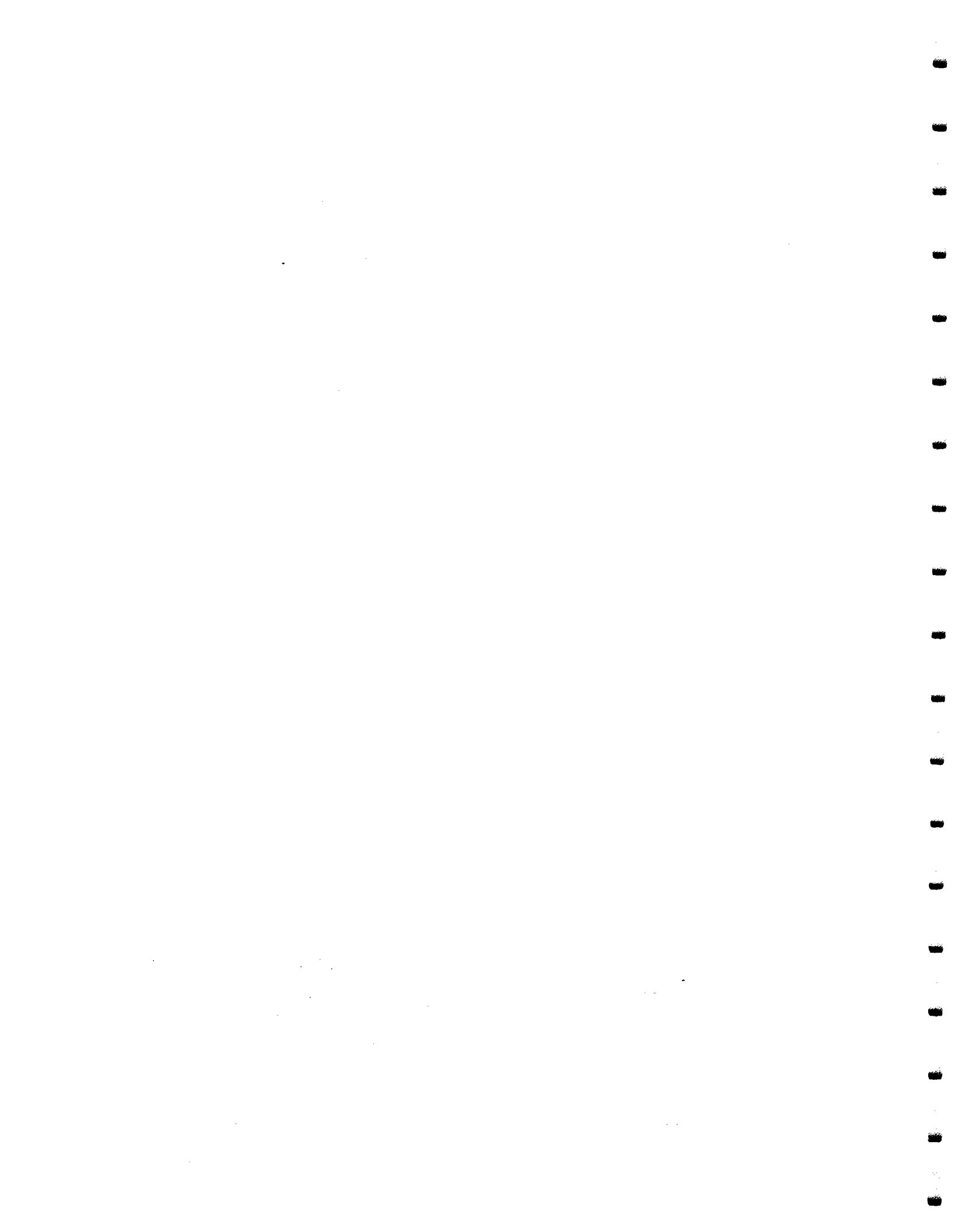
This document presents the budget for the RI/FS and is being provided to the New York State Department of Environmental Conservation (NYSDEC) and the Town of Salina. This budget is a revised form of the original budget prepared by the CHA in the spring of 1997. The budget prepared at that time reflected CHA's understanding of the project requirements, based upon our experience on similar projects and preliminary discussions with the NYSDEC. That budget was used to develop the State Assistance Contract between the State of New York and the Town of Salina.

The current budget reflects the most current guidance from the NYSDEC on the project requirements. The current budget is consistent with the original budget (\$548,559), with the addition of approximately \$41,000 to conduct a Potentially Responsible Party (PRP) Search and the addition of approximately \$10,000 to prepare a second phase work plan. Additional costs to conduct an ecological risk assessment in accordance with both NYSDEC and USEPA guidance have been offset by reductions in the number of samples to be collected and analyzed and the number of wells to be installed.

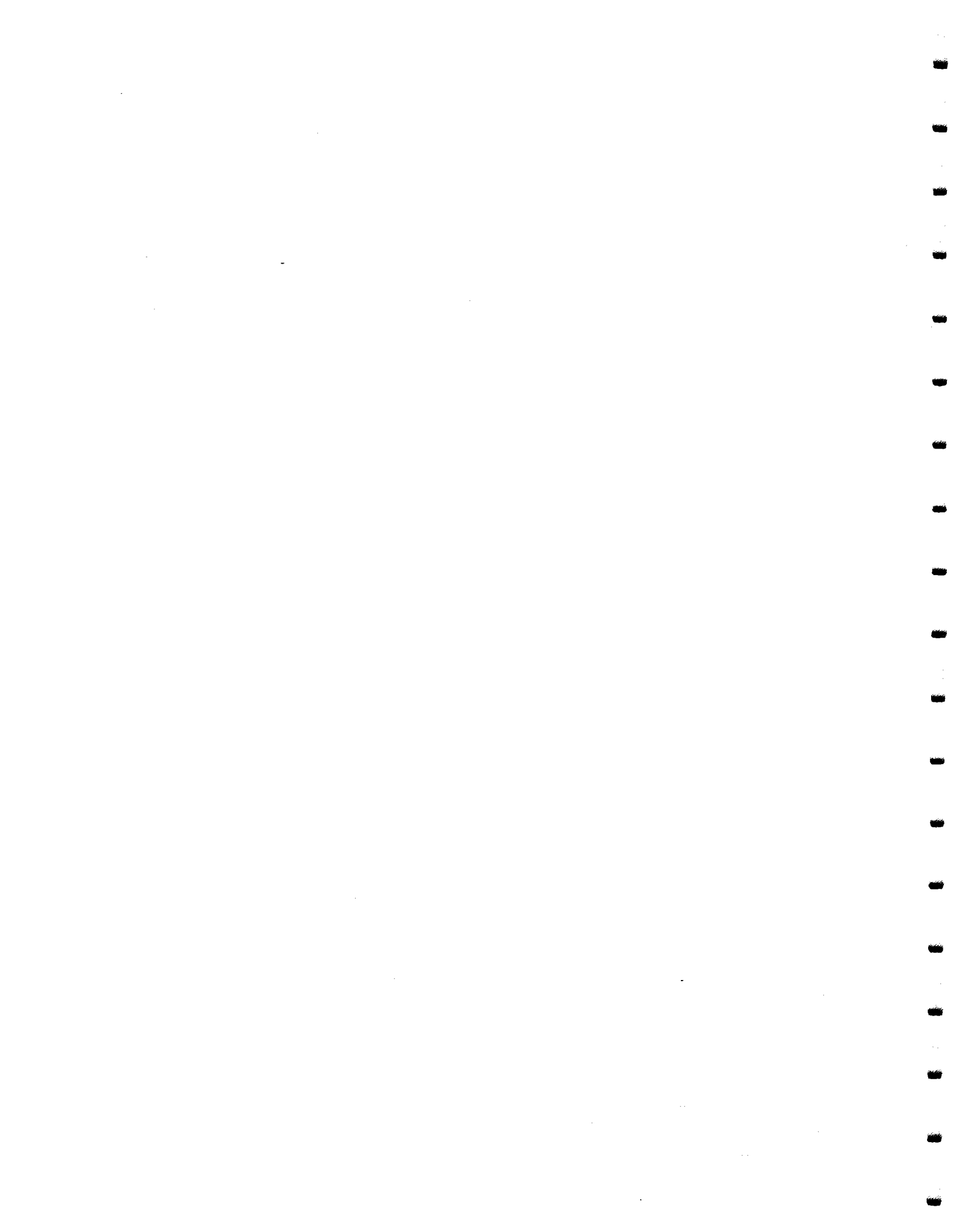
Section 2 of this document presents the total budget for the project with CHA as the prime consultant. CHA's budget includes subconsultant costs from Lawler, Matusky and Skelly Engineers (LMS) and from GRB Environmental Services (GRB). LMS will be performing the human health and ecological risk assessments. GRB will be performing the PRP Search for the project.

Section 3 of this document provides the details of the LMS budget as required by contract.

Section 4 of this document provides a series of memorandums that summarize the bids CHA obtained for subcontractors that will be used on this project. This information has been incorporated into Section 3.3 of the Work Plan (Volume I).



SECTION 2



Labor Hours and Costs

Task Summary

NSPE/ASCE LABOR CLASS	HOURLY RATE (\$)	Task 1	Task 2	Task 3	Task 4	Task 5	Task 6	Task 7	TOTAL HOURS	TOTAL (\$)
		Work Plan Development	Site Characterization	Investigation Report	Second Phase Investigation	Risk Assessment	Feasibility Study	Support Activities		
IX	52.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.00
VIII	44.00	28.0	20.0	56.0	0.0	0.0	68.0	28.0	200	8800.00
VII	35.00	188.0	100.0	424.0	0.0	0.0	90.0	92.0	894	31290.00
VI	31.00	40.0	20.0	370.0	0.0	0.0	360.0	16.0	756	23436.00
V	28.00	88.0	20.0	200.0	0.0	0.0	240.0	0.0	548	15344.00
IV	26.00	112.0	27.0	200.0	0.0	0.0	216.0	0.0	555	14430.00
III	19.00	80.0	176.0	200.0	0.0	0.0	144.0	24.0	624	11856.00
II	16.00	80.0	470.0	120.0	0.0	0.0	120.0	24.0	814	13024.00
I	13.00	124.0	790.0	160.0	0.0	0.0	120.0	52.0	1,246	16198.00
WP	10.00	64.0	0.0	104.0	0.0	0.0	40.0	28.0	236	2360.00
TOTAL HOURS:		804	1,623	1,784	0	0	1,398	264	5,873	
DIRECT SALARY COSTS (\$):		18,912.00	28,114.32	46,864.00	0.00	0.00	37,981.47	6,832.80		138,704.59
INDIRECT SALARY COSTS (\$):	1,310.00	24,774.72	36,829.76	61,391.84	0.00	0.00	49,755.73	8,950.97		181,703.02
FIXED FEE (\$):	0.12	43,686.72	64,944.08	108,255.84	0.00	0.00	67,737.20	15,783.77		320,407.61
MATERIAL COSTS (\$):		5,242.41	7,793.29	12,990.70	0.00	0.00	10,528.46	1,894.05		38,448.91
TRAVEL COSTS (\$):		1,204.00	1,137.00	1,504.00	0.00	0.00	960.00	760.00		5,565.00
FIELD EQUIPMENT (\$):		485.00	2,928.00	0.00	0.00	0.00	430.00	322.50		4,165.50
SUBS (\$):		0.00	3,091.00	0.00	0.00	0.00	0.00	0.00		3,091.00
MANAGEMENT FEE (\$):		10,527.00	101,487.68	11,351.17	0.00	64,744.47	600.00	39,120.72		227,831.04
TOTAL (\$):		61,145.13	181,381.05	134,101.71	0.00	64,744.47	100,255.66	57,881.04		599,509.06

Labor Hours and Costs

Task 1 Work Plan Development

NSPE/ASCE LABOR CLASS	HOURLY RATE (\$)	Task 1.1	Task 1.2	Task 1.3	Task 1.4	Task 1.5	TOTAL HOURS	TOTAL (\$)
		Information Review and Scoping	Work Plan Development	PRP Search	Citizen Participation	Subcontractor Procurement		
IX	50.00	0.0	0.0	0.0	0.0	0.0	0	0.00
VIII	43.00	8.0	8.0	4.0	4.0	4.0	28	1,204.00
VII	34.00	24.0	100.0	24.0	8.0	32.0	188	6,392.00
VI	30.00	0.0	40.0	0.0	0.0	0.0	40	1,200.00
V	27.00	0.0	80.0	4.0	4.0	0.0	88	2,376.00
IV	25.00	8.0	80.0	16.0	8.0	0.0	112	2,800.00
III	18.00	0.0	40.0	16.0	8.0	16.0	80	1,440.00
II	16.00	0.0	40.0	12.0	12.0	16.0	80	1,280.00
I	13.00	12.0	60.0	0.0	12.0	40.0	124	1,612.00
WP	9.50	0.0	40.0	0.0	0.0	24.0	64	608.00
TOTAL HOURS:		52	488	76	56	132	804	
DIRECT SALARY COSTS (\$):		1,516.00	11,624.00	1,976.00	1,244.00	2,552.00		18,912.00
INDIRECT SALARY COSTS (\$):	1.3100	1,985.96	15,227.44	2,588.56	1,629.64	3,343.12		24,774.72
SUBTOTAL (\$):		3,501.96	26,851.44	4,564.56	2,873.64	5,895.12		43,686.72
FIXED FEE (\$):	0.12	420.24	3,222.17	547.75	344.84	707.41		5,242.41
MATERIAL COSTS (\$):		60.00	594.00	0.00	550.00	0.00		1,204.00
TRAVEL COSTS (\$):		97.00	291.00	0.00	97.00	0.00		485.00
FIELD EQUIPMENT (\$):		0.00	0.00	0.00	0.00	0.00		0.00
SUBS (\$):		3,076.00	5,266.00	0.00	0.00	2,185.00		10,527.00
MANAGEMENT FEE(\$):								
TOTAL (\$):		7,155.20	36,224.61	5,112.31	3,865.48	8,787.53		61,145.13

Material Costs

Task 1 Work Plan Development

ITEM	RATE BASE	ESTIMATED RATE PER UNIT	Task 1.1 Information Review and Scoping		Task 1.2 Work Plan Development		Task 1.3 PRP Search		Task 1.4 Citizen Participation		Task 1.5 Subcontractor Procurement		TOTAL (\$)
Telephone	(at cost)	1.00	0.0	0	0	0	0	0	0	0	0	0	0.00
Reproduction	(per page)	0.05	200.0	7,000	0	0	0	0	7,000	0	0	0	710.00
General PC usage	(per hr)	1.50	0.0	0	0	0	0	0	0	0	0	0	0.00
Auto CADD	(per hr)	8.50	0.0	24	0	0	0	0	12	0	0	0	306.00
Fax	(at cost)	1.00	0.0	0	0	0	0	0	0	0	0	0	0.00
Mailing/shipping	(at cost)	1.00	35.0	40	0	0	0	0	50	0	0	0	125.00
Information purchases	(at cost)	1.00	0.0	0	0	0	0	0	0	0	0	0	0.00
Photography	(per roll)	15.00	1.0	0	0	0	0	0	2	0	0	0	45.00
Lg/ print repro (30x42)	(at cost)	1.00	0.0	0	0	0	0	0	18	0	0	0	18.00
Consumable equip.*	(at cost)	1.00	0.0	0	0	0	0	0	0	0	0	0	0.00
TASK TOTAL (\$):			60.0	594.0	0.0	0.0	0.0	550.0	0.0	0.0	0.0	0.0	1,204.0

Travel Costs

Task 1 Work Plan Development

ITEM	RATE BASE	ESTIMATED COST PER UNIT	Task 1.1	Task 1.2	Task 1.3	Task 1.4	Task 1.5	TOTAL (\$)
			Information Review and Scoping	Work Plan Development	PRP Search	Citizen Participation	Subcontractor Procurement	
Air fare	(at cost)	1.00	0	0	0	0	0	0.00
Auto rental	(per day)	39.00	0	0	0	0	0	0.00
Truck/van rental	(at cost)	1.00	0	0	0	0	0	0.00
Truck/van mileage	(per mile)	0.290	0	0	0	0	0	0.00
Personal mileage	(per mile)	0.325?	300	900	0	300	0	435.00
Per diem	(per day)	101.00	0	0	0	0	0	0.00
Tolls, etc.	(at cost)	1.00	10	30	0	10	0	50.00
TOTAL UNITS:			310	930	0	310	0	
TASK TOTAL (\$):			97.00	291.00	0.00	97.00	0.00	485.0

For a consultant from the Syracuse area, this amount of travel is hard to fathom. Yes, it's a small budget item, but still....

Subconsultant and Subcontractor Costs

Task 1 Work Plan Development

ITEM	Task 1.1	Task 1.2	Task 1.3	Task 1.4	Task 1.5	SUBTOTAL
	Information Review and Scoping	Work Plan Development	PRP Search	Citizen Participation	Subcontractor Procurement	(\$)
Subconsultants						
LMS	3076	5266	0	0	2185	10527
GRB Environmental	0	0	0	0	0	0
Third	0	0	0	0	0	0
Fourth	0	0	0	0	0	0
Fifth	0	0	0	0	0	0
Sixth	0	0	0	0	0	0
SUBTOTAL:	3076	5266	0	0	2185	10527
Subcontractors:						
First	0	0	0	0	0	0
Second	0	0	0	0	0	0
Third	0	0	0	0	0	0
Fourth	0	0	0	0	0	0
Fifth	0	0	0	0	0	0
Sixth	0	0	0	0	0	0
SUBTOTAL:	0	0	0	0	0	0
TOTAL:	3076	5266	0	0	2185	10527

Labor Hours and Costs

Task 2 Site characterization

NSPE/ASCE LABOR CLASS	HOURLY RATE (\$)	Task 2.1	Task 2.2	Task 2.3	Task 2.4	Task 2.5	Task 2.6	Task 2.7	TOTAL HOURS	TOTAL (\$)
		Site Survey	Ecological Survey	Waste Area Investigation	Groundwater Investigation	SW/SED Investigation	Surface Investigation	Soil Sample Analysis		
IX	52.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.00
VIII	44.72	4.0	0.0	4.0	4.0	2.0	2.0	4.0	20	894.40
VII	35.36	16.0	0.0	20.0	20.0	20.0	16.0	8.0	100	3536.00
VI	31.20	0.0	0.0	4.0	4.0	4.0	4.0	4.0	20	624.00
V	28.08	0.0	0.0	4.0	4.0	4.0	4.0	4.0	20	561.60
IV	26.00	27.0	0.0	0.0	0.0	0.0	0.0	0.0	27	702.00
III	18.72	72.0	0.0	24.0	80.0	0.0	0.0	0.0	176	3294.72
II	16.64	100.0	0.0	100.0	120.0	100.0	50.0	0.0	470	7820.80
I	13.52	100.0	0.0	100.0	400.0	100.0	50.0	40.0	790	10680.80
WP	9.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.00
TOTAL HOURS:		319	0	256	632	230	126	60	1,623	
INDIRECT SALARY COSTS (\$):		5,810.48	0.00	4,588.48	10,025.60	4,049.76	2,400.32	1,239.68		28,114.32
FIXED FEE (\$):		1,310.00	0.00	6,010.91	13,133.54	5,305.19	3,144.42	1,623.98		36,829.77
SUBTOTAL (\$):		13,422.21	0.00	10,599.39	23,159.14	9,354.95	5,544.74	2,863.66		64,944.09
MATERIAL COSTS (\$):		0.12	0.00	1,271.93	2,779.10	1,122.59	665.37	343.64		7,793.30
TRAVEL COSTS (\$):		309.00	0.00	105.00	373.00	105.00	105.00	140.00		1,137.00
FIELD EQUIPMENT (\$):		478.00	0.00	612.50	612.50	612.50	0.00	612.50		2,928.00
SUBS (\$):		845.00	0.00	529.00	1,075.00	170.00	102.00	370.00		3,091.00
MANAGEMENT FEE (\$):		3,675.00	8,256.68	6,936.00	37,641.00	0.00	0.00	44,979.00		101,487.68
TOTAL (\$):		20,339.88	8,256.68	20,053.82	65,639.74	11,365.04	6,417.11	49,308.80		181,381.07

Material Costs

Task 2 Site characterization

ITEM	RATE BASE	ESTIMATED RATE PER UNIT	Task 2.1	Task 2.2	Task 2.3	Task 2.4	Task 2.5	Task 2.6	Task 2.7	TOTAL (\$)
			Site Survey	Ecological Survey	Waste Area Investigation	Groundwater Investigation	SW/SED Investigation	Surface Soil Investigation	Sample Analysis	
Telephone	(at cost)	1.00	40.0	0	40	40	40	40	40	240.00
Reproduction	(per page)	0.05	0.0	0	0	0	0	0	0	0.00
General PC usage	(per hr)	1.50	0.0	0	0	0	0	0	0	0.00
Auto CADD	(per hr)	8.50	24.0	0	0	0	0	0	0	204.00
Fax	(at cost)	1.00	0.0	0	0	0	0	0	0	0.00
Mailing/shipping	(at cost)	1.00	0.0	0	0	0	0	0	100	100.00
Information purchases	(at cost)	1.00	0.0	0	0	0	0	0	0	0.00
Photography	(per roll)	15.00	1.0	0	1	1	1	1	0	75.00
Lg/ print repro (30x42)	(at cost)	1.00	0.0	0	0	19	0	0	0	18.00
Consumable equip. *	(at cost)	1.00	50.0	0	50	300	50	50	0	500.00
TASK TOTAL (\$):			309.0	0.0	105.0	373.0	105.0	105.0	140.0	1,137.0

Travel Costs

Task 2 Site characterization

ITEM	RATE BASE	ESTIMATED COST PER UNIT	Task 2.1	Task 2.2	Task 2.3	Task 2.4	Task 2.5	Task 2.6	Task 2.7	TOTAL (\$)
			Site Survey	Ecological Survey	Waste Area Investigation	Groundwater Investigation	SW/SED Investigation	Surface Soil Investigation	Sample Analysis	
Air fare	(at cost)	1.00	0	0	0	0	0	0	0	0.00
Auto rental	(per day)	39.00	0	0	0	0	0	0	0	0.00
Truck/van rental	(at cost)	1.00	0	0	0	0	0	0	0	0.00
Truck/van mileage	(per mile)	0.500	0	0	0	0	0	0	0	0.00
Personal mileage	(per mile)	0.325	10	0	5	5	5	5	5	858.00
Per diem	(per day)	101.00	0	0	5	5	5	5	5	2,020.00
Tolls, etc.	(at cost)	1.00	10	0	10	10	10	10	10	50.00
TOTAL UNITS:			1,450	0	315	315	315	0	315	
TASK TOTAL (\$):			478.00	0.00	612.50	612.50	612.50	0.00	612.50	2,928.0

Equipment Costs

Task 2 Site characterization

ITEM	RATE BASE	COST PER UNIT	Task 2.1	Task 2.2	Task 2.3	Task 2.4	Task 2.5	Task 2.6	Task 2.7	TOTAL UNITS	TOTAL (\$)
			Site Survey	Ecological Survey	Waste Area Investigation	Groundwater Investigation	SW/SED Investigation	Surface Soil Investigation	Sample Analysis		
Personal Protective Equipment:											
Level D (per person)	(per day)		0	0	0	0	0	0	0	0.00	0
Level C	(per day)		0	0	5	5	0	0	0	15.00	795
Level B	(per day)		0	0	0	0	0	0	0	0.00	0
Cost of oil	(per day)		0	0	0	0	0	0	0	0.00	0
PID - HNu (P1-101)	(per day)		5	0	7	18	10	6	0	46.00	782
PID - Thermo 560S (OVVM)	(per day)		0	0	0	0	0	0	0	0.00	0
Scott D-15 Combustible Gas tester	(per day)		0	0	5	0	0	0	0	5.00	110
Droeger pump	(per day)		0	0	0	0	0	0	0	0.00	0
Droeger - detector tubes (10/box)	(per box)		0	0	0	0	0	0	0	0.00	0
Radiation monitor - Dosimeter 3700	(per day)		0	0	0	0	0	0	0	0.00	0
Soil gas sampler - KVA (sampler #14)	(per day)		0	0	0	0	0	0	0	0.00	0
Mini Ram particulate monitor	(per day)		0	0	5	0	0	0	0	5.00	35
Inertial Pump - Wolfara	(per day)		0	0	0	0	0	0	0	0.00	0
Grundfos Submerible Pump	(per day)		0	0	0	5	0	0	0	5.00	55
Bladder pump - Isco	(per day)		0	0	0	0	0	0	0	0.00	0
Generators - Honda (600w)	(per day)		0	0	0	0	0	0	0	0.00	0
Generator - Coleman	(per day)		0	0	0	5	0	0	0	5.00	45
Static well level - Solinst 101	(per day)		0	0	0	12	0	0	0	17.00	34
ORP Meter	(per day)		0	0	0	5	0	0	0	10.00	10
Humit data logger - in-situ	(per day)		0	0	0	5	0	0	0	5.00	285
Turbidity meter - Hoch	(per day)		0	0	0	5	0	0	0	10.00	30
Corning Checkmate	(per day)		0	0	0	5	0	0	0	10.00	150
GPS System	(per day)		5	0	0	0	0	0	0	5.00	760
TOTAL			845	0	529	1075	170	102	370		3091

Subconsultant and Subcontractor Costs

Task 2 Site characterization

ITEM	Task 2.1 Site Survey	Task 2.2 Ecological Survey	Task 2.3 Waste Area Investigation	Task 2.4 Groundwater Investigation	Task 2.5 SW/SED Investigation	Task 2.6 Surface Soil Investigation	Task 2.7 Sample Analysis	SUBTOTAL (\$)
Subconsultants								
LMS	0	8256.68	0	0	0	0	0	8256.68
GRB Environmental	0	0	0	0	0	0	0	0
Third	0	0	0	0	0	0	0	0
Fourth	0	0	0	0	0	0	0	0
Fifth	0	0	0	0	0	0	0	0
Sixth	0	0	0	0	0	0	0	0
SUBTOTAL:	0	8256.68	0	0	0	0	0	8256.68
Subcontractors:								
Modi Engineering	3675	0	0	0	0	0	0	3675
American Auger	0	0	4040	37641	0	0	0	41681
RECRA Env.	0	0	0	0	0	0	44979	44979
Nancy Potak	0	0	0	0	0	0	0	0
Liverpool Blueprint	0	0	0	0	0	0	0	0
GE Capital Modular	0	0	1215	0	0	0	0	1215
APJ Electric Patricia Electric	0	0	1681	0	0	0	0	1681
SUBTOTAL:	3675	0	6936	37641	0	0	44979	93231
TOTAL:	3675	8256.68	6936	37641	0	0	44979	101487.68

APJ Electric

Labor Hours and Costs

Task 3 REMEDIAL INVESTIGATION

NSPE/ASCE LABOR CLASS	HOURLY RATE (\$)	Task 3.1		Task 3.2		Task 3.3		Task 3.4		TOTAL HOURS	TOTAL (\$)
		Data Validation	and Evaluation	Preliminary RI Report	Phase II RI Workplan	Final RI Report					
IX	52.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.00	
V/III	44.00	16.0	16.0	8.0	16.0	16.0	16.0	16.0	56	2464.00	
V/II	35.00	164.0	120.0	40.0	100.0	100.0	100.0	100.0	424	14840.00	
V/I	31.00	120.0	120.0	0.0	80.0	80.0	80.0	80.0	320	9920.00	
V	28.00	80.0	80.0	0.0	40.0	40.0	40.0	40.0	200	5600.00	
IV	26.00	80.0	80.0	0.0	40.0	40.0	40.0	40.0	200	5200.00	
III	19.00	40.0	80.0	0.0	80.0	80.0	80.0	80.0	200	3800.00	
II	16.00	40.0	40.0	0.0	40.0	40.0	40.0	40.0	120	1920.00	
I	13.00	40.0	40.0	40.0	40.0	40.0	40.0	40.0	160	2080.00	
WP	10.00	0.0	40.0	24.0	40.0	40.0	40.0	40.0	104	1040.00	
TOTAL HOURS:		580	616	112	476	476	476	476	1,784		
INDIRECT SALARY											
DIRECT SALARY COSTS (\$):		16,404.00	16,024.00	2,512.00	11,924.00	11,924.00	11,924.00	11,924.00	11,924.00	46,864.00	
COSTS (\$):		1,310	21,489.24	20,991.44	3,290.72	15,620.44	15,620.44	15,620.44	61,391.84		
SUBTOTAL (\$):		37,893.24	37,015.44	5,802.72	27,544.44	27,544.44	27,544.44	27,544.44	108,255.84		
FIXED FEE (\$):		0.12	4,547.19	4,441.85	696.33	3,305.33	3,305.33	3,305.33	12,990.70		
MATERIAL COSTS (\$):		0.00	0.00	630.00	294.00	580.00	580.00	580.00	1,504.00		
TRAVEL COSTS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
FIELD EQUIPMENT (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
SUBS (\$):		6,062.00	500.00	4,289.17	500.00	500.00	500.00	500.00	11,351.17		
MANAGEMENT FEE (\$):											
TOTAL (\$):		48,502.43	42,587.29	11,082.22	31,929.77	31,929.77	31,929.77	31,929.77	134,101.71		

Material Costs

Task 3 REMEDIAL INVESTIGATION

ITEM	RATE BASE	ESTIMATED RATE PER UNIT	Data Validation and Evaluation				TOTAL (\$)
			Task 3.1	Task 3.2	Task 3.3	Task 3.4	
			Preliminary RI Report	Phase II RI Workplan	Final RI Report		
Telephone	(at cost)	1.00	0	0	0	0.00	
Reproduction	(per page)	0.05	1,000	0	1,000	100.00	
General PC usage	(per hr)	1.50	0	0	0	0.00	
Auto CADD	(per hr)	8.50	40	24	40	884.00	
Fax	(at cost)	1.00	0	0	0	0.00	
Mailing/shipping	(at cost)	1.00	40	40	40	120.00	
Information purchases	(at cost)	1.00	0	0	0	0.00	
Photography	(per roll)	15.00	0	0	0	0.00	
Lg/ print repro (30x42)	(at cost)	1.00	100	0	100	200.00	
<u>Consumable equip.* ?</u>	(at cost)	1.00	100	50	50	200.00	
TASK TOTAL (\$):			630.0	294.0	580.0	1,504.0	

Subconsultant and Subcontractor Costs

Task 3 REMEDIAL INVESTIGATION

ITEM	Task 3.1 Data Validation and Evaluation	Task 3.2 Preliminary RI Report	Task 3.3 Phase II RI Workplan	Task 3.4 Final RI Report	SUBTOTAL (\$)
Subconsultants					
LMS	0	0	4189.17	0	4189.17
GRB Environmental	0	0	0	0	0
Third	0	0	0	0	0
Fourth	0	0	0	0	0
Fifth	0	0	0	0	0
Sixth	0	0	0	0	0
SUBTOTAL:	0	0	4189.17	0	4189.17
Subcontractors:					
Modi Engineering	0	0	0	0	0
American Auger	0	0	0	0	0
RECRA Env.	0	0	0	0	0
Nancy Potak	6062	0	0	0	6062
Liverpool Blueprint	0	500	100	500	1100
Fifth	0	0	0	0	0
Sixth	0	0	0	0	0
SUBTOTAL:	6062	500	100	500	7162
TOTAL:	6062	500	4289.17	500	11351.17

Labor Hours and Costs

SECOND PHASE INVESTIGATION

Task 4

NSPE/ASCE LABOR CLASS	HOURLY RATE (\$)	Task 4.1	Task 4.2	Task 4.3	Task 4.4	Task 4.5	Task 4.6	Task 4.7	TOTAL HOURS	TOTAL (\$)
		0.00	0.00	0.00	0.00	0.00	0.00	0.00		
IX	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
VIII	43.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
VII	34.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
VI	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
V	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
IV	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
III	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
II	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
I	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
WP	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
TOTAL HOURS:		0	0	0	0	0	0	0	0	0
INDIRECT SALARY COSTS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED FEE (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATERIAL COSTS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRAVEL COSTS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIELD EQUIPMENT (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MANAGEMENT FEE (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Labor Hours and Costs

Task 5 RISK ASSESSMENT

		Task 5.1		Task 5.2			
NSPE/ASCE LABOR CLASS	HOURLY RATE (\$)	Human Health Risk Assessment	Ecological Risk Assessment	TOTAL HOURS	TOTAL (\$)		
IX	50.00	0.0	0.0	0	0.00		
VIII	43.00	0.0	0.0	0	0.00		
VII	34.00	0.0	0.0	0	0.00		
VI	30.00	0.0	0.0	0	0.00		
V	27.00	0.0	0.0	0	0.00		
IV	25.00	0.0	0.0	0	0.00		
III	18.00	0.0	0.0	0	0.00		
II	16.00	0.0	0.0	0	0.00		
I	13.00	0.0	0.0	0	0.00		
WP	9.50	0.0	0.0	0	0.00		
TOTAL HOURS:		0	0	0			
INDIRECT SALARY							
DIRECT SALARY COSTS (\$):		0.00	0.00	0.00	0.00		
INDIRECT SALARY COSTS (\$):		1.3100	0.00	0.00	0.00		
FIXED FEE (\$):		0.12	0.00	0.00	0.00		
MATERIAL COSTS (\$):		0.00	0.00	0.00	0.00		
TRAVEL COSTS (\$):		0.00	0.00	0.00	0.00		
FIELD EQUIPMENT (\$):		0.00	0.00	0.00	0.00		
SUBS (\$):		40,259.67	24,484.80		64,744.47		
MANAGEMENT FEE(\$):							
TOTAL (\$):		40,259.67	24,484.80		64,744.47		

Subconsultant and Subcontractor Costs

Task 5 RISK ASSESSMENT

ITEM	Task 5.1 Human Health Risk Assessment	Task 5.2 Ecological Risk Assessment	SUBTOTAL (\$)
Subconsultants			
LMS	40259.67	24484.8	64744.47
GRB Environmental	0	0	0
Third	0	0	0
Fourth	0	0	0
Fifth	0	0	0
Sixth	0	0	0
SUBTOTAL:	40259.67	24484.8	64744.47
Subcontractors:			
Modi Engineering	0	0	0
American Auger	0	0	0
RECRA Env.	0	0	0
Potak	0	0	0
Fifth	0	0	0
Sixth	0	0	0
SUBTOTAL:	0	0	0
TOTAL:	40259.67	24484.8	64744.47

Labor Hours and Costs

Task 6 FEASIBILITY STUDY

NSPE/ASCE LABOR CLASS	HOURLY RATE (\$)	Task 6.1		Task 6.2		Task 6.3		TOTAL HOURS	TOTAL (\$)
		Identify Potential Technologies	Evaluation of Remedial Alternatives	Feasibility Study Report	Feasibility Study Report				
IX	54.08	0.0	0.0	0.0	0.0	0.0	0.0	0	0.00
VIII	46.51	20.0	24.0	24.0	24.0	24.0	24.0	68	3162.60
VII	36.77	30.0	30.0	30.0	30.0	30.0	30.0	90	3309.70
VI	32.45	120.0	120.0	120.0	120.0	120.0	120.0	360	11681.28
V	29.20	80.0	80.0	80.0	80.0	80.0	80.0	240	7008.77
IV	27.04	72.0	72.0	72.0	72.0	72.0	72.0	216	5840.64
III	19.47	48.0	48.0	48.0	48.0	48.0	48.0	144	2803.51
II	17.31	40.0	40.0	40.0	40.0	40.0	40.0	120	2076.67
I	14.06	40.0	40.0	40.0	40.0	40.0	40.0	120	1687.30
WP	10.28	0.0	0.0	0.0	0.0	0.0	0.0	40	411.01
TOTAL HOURS:		450	454	454	494	494	494	1,398	
INDIRECT SALARY COSTS (\$):		12,399.46	12,585.50	12,585.50	12,996.51	12,996.51	12,996.51		37,981.47
INDIRECT SALARY COSTS (\$):		1,3100	16,243.29	16,487.01	17,025.43	17,025.43	17,025.43		49,755.73
SUBTOTAL (\$):		28,642.75	29,072.51	29,072.51	30,021.94	30,021.94	30,021.94		87,737.20
FIXED FEE (\$):		0.12	3,437.13	3,488.70	3,602.63	3,602.63	3,602.63		10,528.46
MATERIAL COSTS (\$):		0.00	0.00	430.00	530.00	530.00	530.00		960.00
TRAVEL COSTS (\$):		0.00	0.00	215.00	215.00	215.00	215.00		430.00
FIELD EQUIPMENT (\$):		0.00	0.00	0.00	0.00	0.00	0.00		0.00
SUBS (\$):		0.00	0.00	0.00	600.00	600.00	600.00		600.00
MANAGEMENT FEE(\$):		32,079.88	33,206.21	33,206.21	34,969.57	34,969.57	34,969.57		100,255.66
TOTAL (\$):									

Material Costs

Task 6 FEASIBILITY STUDY

ITEM	RATE BASE	ESTIMATED RATE PER UNIT	Task 6.1		Task 6.2		Task 6.3		TOTAL (\$)
			Identify Potential Technologies	Evaluation of Remedial Alternatives	Feasibility Study Report	Feasibility Study Report			
Telephone	(at cost)	1.00	0.0	0.0	0.0	0.0	0.0	0.00	
Reproduction	(per page)	0.05	0.0	0.0	1,000.0	0.0	0.0	50.00	
General PC usage	(per hr)	1.50	0.0	0.0	0.0	0.0	0.0	0.00	
Auto CADD	(per hr)	8.50	0.0	40.0?	40.0?	0.0	0.0	680.00	
Fax	(at cost)	1.00	0.0	0.0	0.0	0.0	0.0	0.00	
Mailing/shipping	(at cost)	1.00	0.0	40.0	40.0	0.0	0.0	80.00	
Information purchases	(at cost)	1.00	0.0	0.0	0.0	0.0	0.0	0.00	
Photography	(per roll)	15.00	0.0	0.0	0.0	0.0	0.0	0.00	
Lg/ print repro (30x42)	(at cost)	1.00	0.0	50.0	50.0	0.0	0.0	100.00	
Consumable equip.*	(at cost)	1.00	0.0	0.0	0.0	50.0	50.0	50.00	
TASK TOTAL (\$):			0.0	430.0	530.0	0.0	0.0	960.0	

Travel Costs

Task 6 FEASIBILITY STUDY

ITEM	RATE BASE	ESTIMATED COST PER UNIT	Task 6.1	Task 6.2	Task 6.3
			Identify Potential Technologies	Evaluation of Remedial Alternatives	Feasibility Study Report
Air fare	(at cost)	1.00	0	0	0
Auto rental	(per day)	39.00	0	0	0
Truck/van rental	(at cost)	1.00	0	0	0
Truck/van mileage	(per mile)	0.500	0	0	0
Personal mileage	(per mile)	0.325	0	600	600
Per diem	(per day)	101.00	0	0	0
Tolls, etc.	(at cost)	1.00	0	20	20
TOTAL UNITS:			0	620	620
TASK TOTAL (\$):			0.00	215.00	215.00
					430.0

Subconsultant and Subcontractor Costs

Task 6 FEASIBILITY STUDY

ITEM	Task 6.1 Identify Potential Technologies	Task 6.2 Evaluation of Remedial Alternatives	Task 6.3 Feasibility Study Report	SUBTOTAL (\$)
Subconsultants				
LMS	0	0	0	0
GRB Environmental Third	0	0	0	0
Fourth	0	0	0	0
Fifth	0	0	0	0
Sixth	0	0	0	0
SUBTOTAL:	0	0	0	0
Subcontractors:				
Modi Engineering	0	0	0	0
American Auger RECRA Env.	0	0	0	0
Potak	0	0	0	0
Liverpool Blueprint Fifth	0	0	600	600
Sixth	0	0	0	0
SUBTOTAL:	0	0	600	600
TOTAL:	0	0	600	600

Labor Hours and Costs

Task 7 SUPPORT ACTIVITIES

		Task 7.1		Task 7.2			
NSPE/ASCE LABOR CLASS	HOURLY RATE (\$)	Citizen		PRP Search Activities	TOTAL HOURS	TOTAL (\$)	
		Participation Activities					
IX	52.00	0.0	0.0		0	0.00	
VIII	44.72	16.0	12.0		28	1252.16	
VII	35.36	60.0	32.0		92	3253.12	
VI	31.20	16.0	0.0		16	499.20	
V	28.08	0.0	0.0		0	0.00	
IV	26.00	0.0	0.0		0	0.00	
III	18.72	24.0	0.0		24	449.28	
II	16.64	24.0	0.0		24	399.36	
I	13.52	40.0	12.0		52	703.04	
WP	9.88	24.0	4.0		28	276.64	
TOTAL HOURS:		204	60		264		
INDIRECT SALARY							
DIRECT SALARY COSTS (\$):		4,962.88	1,869.92			6,832.80	
INDIRECT SALARY COSTS (\$):		1,310.00	2,449.60			8,950.97	
SUBTOTAL (\$):		11,464.25	4,319.52			15,783.77	
FIXED FEE (\$):		1,375.71	518.34			1,894.05	
MATERIAL COSTS (\$):		760.00	0.00			760.00	
TRAVEL COSTS (\$):		215.00	107.50			322.50	
FIELD EQUIPMENT (\$):		0.00	0.00			0.00	
SUBS (\$):		4,120.72	35,000.00			39,120.72	
MANAGEMENT FEE (\$):							
TOTAL (\$):		17,935.68	39,945.36			57,881.04	

Material Costs

Task 7 SUPPORT ACTIVITIES

ITEM	RATE BASE	ESTIMATED RATE PER UNIT	Task 7.1		Task 7.2		TOTAL (\$)
			Participation Activities	PRP Search Activities	Citizen		
Telephone	(at cost)	1.00	0.0	0.0	0.0	0.0	0.00
Reproduction	(per page)	0.05	0.0	0.0	0.0	0.0	0.00
General PC usage	(per hr)	1.50	0.0	0.0	0.0	0.0	0.00
Auto CADD	(per hr)	8.50	40.0	0.0	0.0	340.00	340.00
Fax	(at cost)	1.00	0.0	0.0	0.0	0.0	0.00
Mailing/shipping	(at cost)	1.00	320.0	0.0	0.0	320.00	320.00
Information purchases	(at cost)	1.00	0.0	0.0	0.0	0.0	0.00
Photography	(per roll)	15.00	0.0	0.0	0.0	0.0	0.00
Lg/ print repro (30x42)	(at cost)	1.00	50.0	0.0	0.0	50.00	50.00
Consumable equip.*	(at cost)	1.00	50.0	0.0	0.0	50.00	50.00
TASK TOTAL (\$):			760.0	0.0	0.0	760.0	

Travel Costs

Task 7 SUPPORT ACTIVITIES

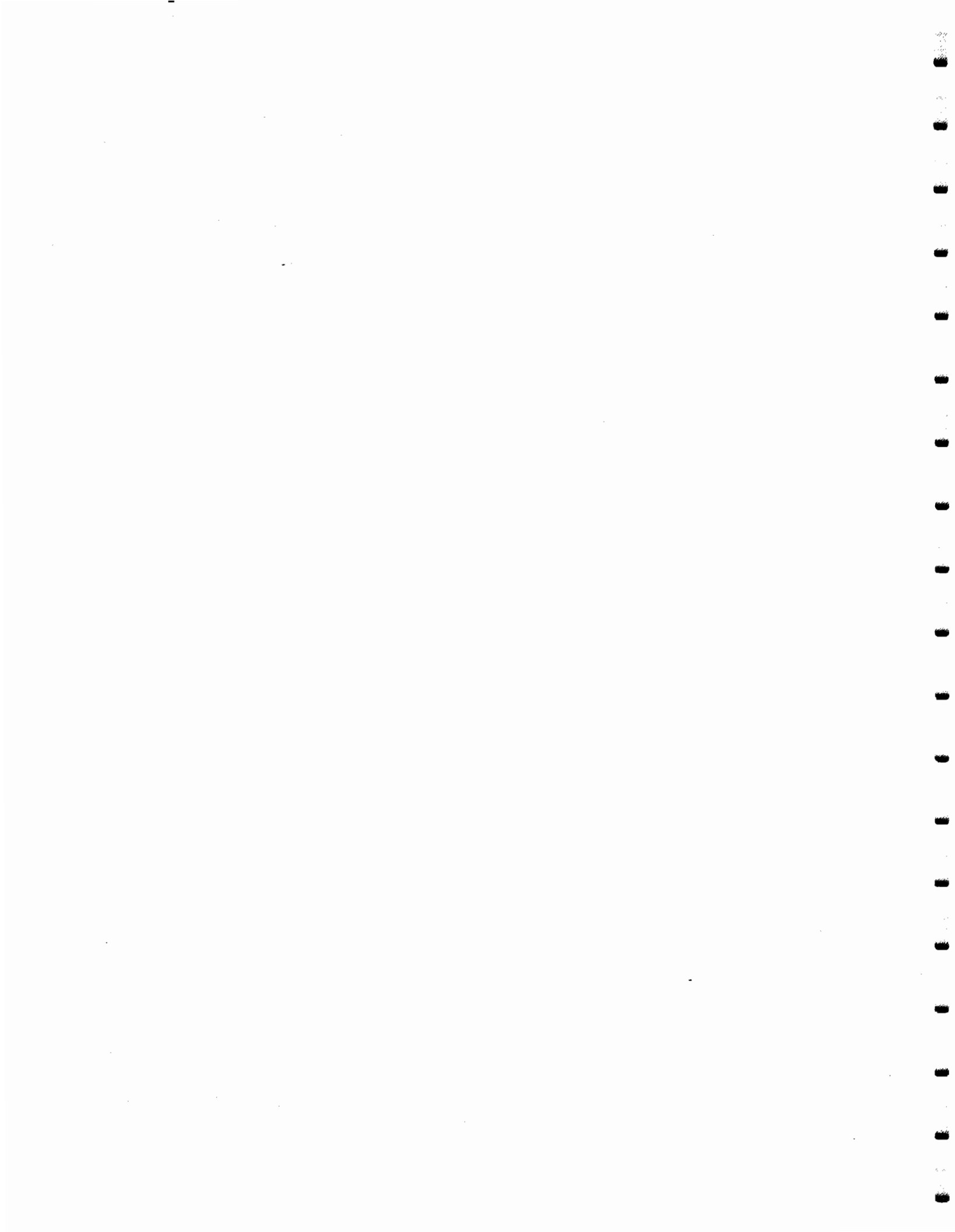
ITEM	RATE BASE	ESTIMATED COST PER UNIT	Task 7.1		Task 7.2	
			Citizen Participation Activities	PRP Search Activities	Citizen Participation Activities	PRP Search Activities
						TOTAL (\$)
Air fare	(at cost)	1.00	0	0	0	0.00
Auto rental	(per day)	39.00	0	0	0	0.00
Truck/van rental	(at cost)	1.00	0	0	0	0.00
Truck/van mileage	(per mile)	0.500	0	0	0	0.00
Personal mileage	(per mile)	0.325	600	?	300	292.50
Per diem	(per day)	101.00	0	0	0	0.00
Tolls, etc.	(at cost)	1.00	20	10	10	30.00
TOTAL UNITS:			620	310	310	
TASK TOTAL (\$):			215.00	107.50	107.50	322.5

Subconsultant and Subcontractor Costs

Task 7 SUPPORT ACTIVITIES

ITEM	Task 7.1 Citizen Participation Activities	Task 7.2 PRP Search Activities	SUBTOTAL (\$)
Subconsultants			
LMS	4120.72	0	4,121
GRB Environmental Third	0	35,000	35,000
Fourth	0	0	0
Fifth	0	0	0
Sixth	0	0	0
SUBTOTAL:	4120.72	35,000	39,121
Subcontractors:			
Modi Engineering	0	0	0
American Auger	0	0	0
RECRA Env.	0	0	0
Potak	0	0	0
Fifth	0	0	0
Sixth	0	0	0
SUBTOTAL:	0	0	0
TOTAL:	4120.72	35000	39120.72

SECTION 3



LABOR HOURS AND COSTS
TASK SUMMARY
 Town of Salina

NSPE/ASCE LABOR CLASS	1998 HOURLY RATE (\$)	1999 HOURLY RATE (\$)	1998 RATES					1999 RATES					TOTAL HOURS	SUBTOTAL (\$)
			TASK 1:	TASK 2:	TASK 3:	TASK 4:	TASK 5:	TASK 6:	TASK 7:	TASK 8:	TASK 9:			
IX	51.22	53.27	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	4.00	213.08
VIII	41.32	42.97	0.00	0.00	16.00	0.00	60.00	0.00	0.00	0.00	0.00	16.00	92.00	3,953.24
VII	37.19	38.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VI	32.47	33.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V	28.82	29.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IV	25.33	26.35	0.00	50.00	24.00	0.00	240.00	0.00	16.00	0.00	0.00	0.00	330.00	8,644.50
III	20.00	20.80	0.00	50.00	0.00	0.00	70.00	0.00	0.00	0.00	0.00	0.00	120.00	2,456.00
II	19.28	20.05	0.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00	0.00	0.00	340.00	6,817.00
I	15.35	15.96	0.00	8.00	0.00	0.00	260.00	0.00	0.00	0.00	0.00	0.00	268.00	4,272.40
WP	15.35	15.96	0.00	4.00	8.00	0.00	80.00	0.00	8.00	0.00	0.00	0.00	100.00	1,593.56
TOTAL UNITS:			0.00	112.00	48.00	0.00	1,054.00	0.00	40.00	0.00	0.00	0.00	1,254.00	
DIRECT SALARY COSTS (\$):			0.00	2,450.70	1,447.60	0.00	22,814.68	0.00	1,236.80	0.00	0.00	0.00	27,949.78	
INDIRECT SALARY COSTS (\$):			1.55	3,798.59	2,243.78	0.00	35,362.75	0.00	1,917.04	0.00	0.00	0.00	43,322.16	
SUBTOTAL (\$):			0.00	6,249.29	3,691.38	0.00	58,177.43	0.00	3,153.84	0.00	0.00	0.00	71,271.94	
FIXED FEE (\$):			0.10	624.93	369.14	0.00	5,817.74	0.00	315.38	0.00	0.00	0.00	7,127.19	
MATERIAL COSTS (\$):			0.00	151.00	89.00	0.00	570.00	0.00	84.00	0.00	0.00	0.00	894.00	
TRAVEL COSTS (\$):			0.00	1,108.46	39.65	0.00	179.30	0.00	567.50	0.00	0.00	0.00	1,894.91	
FIELD EQUIPMENT (\$):			0.00	123.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123.00	
SUBS (\$):			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MGMT FEE (\$):			0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL (\$):			0.00	8,256.68	4,189.17	0.00	64,744.47	0.00	4,120.72	0.00	0.00	0.00	81,311.04	

LABOR HOURS AND COSTS
TASK 1: WORK PLAN DEVELOPMENT
 Town of Salina

NSPE/ASCE LABOR CLASS	1998 HOURLY RATE (\$)	1.1 INFORMATION REVIEW AND SCOPING					1.2 WORK PLAN DEVELOPMENT					1.3 PRP SEARCH					1.4 CITIZEN PARTICIPATION					1.5 SUBCONTRACTOR PROCUREMENT					TOTAL HOURS	SUBTOTAL (\$)
IX	51.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
VIII	41.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
VII	37.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
VI	32.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
V	28.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
IV	25.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
III	20.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
II	19.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
I	15.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
WP	15.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL UNITS:		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
DIRECT SALARY COSTS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
INDIRECT SALARY COSTS (\$):		1.55:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SUBTOTAL (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FIXED FEE (\$):		0.10:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MATERIAL COSTS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TRAVEL COSTS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FIELD EQUIPMENT (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SUBS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MGMT FEE (\$):		0.05:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

TABLE 2 (Page 2 of 4)

MATERIAL COSTS
TASK 2: SITE CHARACTERIZATION
 Town of Salina

ITEM	RATE BASE	ESTIMATED \$ PER UNIT	2.1 SITE SURVEY	2.2 ECOLOGICAL SURVEY	2.3 WASTE AREA INVESTIGATION	2.4 GROUNDWATER INVESTIGATION	2.5 SW/SED SAMPLING	2.6 SURFACE SOIL INVESTIGATION	2.7 SAMPLE ANALYSIS	TOTAL (\$)
Telephone	(at cost)	1.00	0	40	0	0	0	0	0	40.00
Reproduction	(per page)	0.07	0	300	0	0	0	0	0	21.00
Fax	(per page)	1.00	0	30	0	0	0	0	0	30.00
Overnight shipping	(at cost)	1.00	0	20	0	0	0	0	0	20.00
Photography	(at cost)	1.00	0	40	0	0	0	0	0	40.00
TOTAL UNITS:			0	430	0	0	0	0	0	
TASK TOTAL (\$):			0.00	151.00	0.00	0.00	0.00	0.00	0.00	151.00

TABLE 2 (Page 3 of 4)

TRAVEL COSTS
TASK 2: SITE CHARACTERIZATION
 Town of Salina

ITEM	RATE BASE	ESTIMATED \$ PER UNIT	TASK 2: SITE CHARACTERIZATION						TOTAL (\$)	
			2.1 SITE SURVEY	2.2 ECOLOGICAL SURVEY	2.3 WASTE AREA INVESTIGATION	2.4 GROUNDWATER INVESTIGATION	2.5 SW/SED SAMPLING	2.6 SURFACE SOIL INVESTIGATION		2.7 SAMPLE ANALYSIS
Truck/van rental	(per day)	31.34	0	4	0	0	0	0	0	125.36
Truck/van mileage	(per mile)	0.133	0	700	0	0	0	0	0	93.10
Per diem	(per day)	195.00	0	4	0	0	0	0	0	780.00
Tolls	(at cost)	1.00	0	10	0	0	0	0	0	10.00
Miscellaneous	(at cost)	1.00	0	100	0	0	0	0	0	100.00
TOTAL UNITS:			0	818	0	0	0	0	0	0
TASK TOTAL (\$):			0.00	1,108.46	0.00	0.00	0.00	0.00	0.00	1,108.46

Max rate for Syracuse
 is \$105/night. What
 is rate in standby contract?
 CHA has \$101/night.

TABLE 2 (Page 4 of 4)

FIELD EQUIPMENT COSTS
TASK 2: SITE CHARACTERIZATION
 Town of Salina

ITEM	RATE BASE	ESTIMATED \$ PER UNIT	2.1 SITE SURVEY	2.2 ECOLOGICAL SURVEY	2.3 WASTE AREA INVESTIGATION	2.4 GROUNDWATER INVESTIGATION	2.5 SW/SED SAMPLING	2.6 SURFACE SOIL INVESTIGATION	2.7 SAMPLE ANALYSIS	TOTAL (\$)
Conductivity w/temp. meter - YEI @	(per day)	0	0	3	0	0	0	0	0	0.00
DO/temp. meter - YEI (50' + 100')	(per day)	23	0	3	0	0	0	0	0	69.00
pH meter - CP (pH pen)	(per day)	4	0	3	0	0	0	0	0	12.00
pH meter - Orton @	(per day)	0	0	3	0	0	0	0	0	0.00
Turbidity meter - Hoch	(per day)	14	0	3	0	0	0	0	0	42.00
SUBTOTAL:			0.00	123.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL UNITS:			0	15	0	0	0	0	0	0
TASK TOTALS (\$):			0.00	123.00	0.00	0.00	0.00	0.00	0.00	123.00

I don't see why this would be used for an ecological survey.

@ - NYSDEC meters to be used.

TABLE 3 (Page 1 of 3)

LABOR HOURS AND COSTS
TASK 3: REMEDIAL INVESTIGATION
 Town of Salina

NSPE/ASCE LABOR CLASS	1999 HOURLY RATE (\$)	3.1 DATA VALIDATION AND EVALUATION				3.2 PRELIMINARY RI REPORT				3.3 PHASE II RI WORKPLAN				3.4 FINAL RI REPORT		TOTAL HOURS	SUBTOTAL (\$)
IX	53.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
VIII	42.97	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	16.0	0.0	16.0	687.52	16.0	687.52
VII	38.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00
VI	33.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00
V	29.97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00
IV	26.35	0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0	24.0	0.0	24.0	632.40	24.0	632.40
III	20.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00
II	20.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00
I	15.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00
WP	15.96	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	8.0	0.0	8.0	127.68	8.0	127.68
TOTAL UNITS:		0.0	0.0	0.0	0.0	0.0	0.0	48.0	0.0	0.0	0.0	48.0	0.0	48.0			
DIRECT SALARY COSTS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	1,447.60	0.00	0.00	0.00	1,447.60	0.00		1,447.60		1,447.60
INDIRECT SALARY																	
COSTS (\$):		1.55	0.00	0.00	0.00	0.00	0.00	2,243.78	0.00	0.00	0.00	2,243.78	0.00		2,243.78		2,243.78
SUBTOTAL (\$):		0.00	0.00	0.00	0.00	0.00	0.00	3,691.38	0.00	0.00	0.00	3,691.38	0.00		3,691.38		3,691.38
FIXED FEE (\$):		0.10	0.00	0.00	0.00	0.00	0.00	369.14	0.00	0.00	0.00	369.14	0.00		369.14		369.14
MATERIAL COSTS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	89.00	0.00	0.00	0.00	89.00	0.00		89.00		89.00
TRAVEL COSTS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	39.65	0.00	0.00	0.00	39.65	0.00		39.65		39.65
FIELD EQUIPMENT (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00
SUBS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00
MGMT FEE (\$):		0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00
TOTAL (\$):		0.00	0.00	0.00	0.00	0.00	0.00	4,189.17	0.00	0.00	0.00	4,189.17	0.00		4,189.17		4,189.17

TABLE 3 (Page 2 of 3)

MATERIAL COSTS
TASK 3: REMEDIAL INVESTIGATION
 Town of Salina

ITEM	RATE BASE	ESTIMATED \$ PER UNIT	3.1 DATA VALIDATION AND EVALUATION	3.2 PRELIMINARY RI REPORT	3.3 PHASE # RI WORKPLAN	3.4 FINAL RI REPORT	TOTAL (\$)
Telephone	(at cost)	1.00	0	0	25	0	25.00
Reproduction	(per page)	0.07	0	0	100	0	7.00
General PC usage	(per hr)	1.50	0	0	8	0	12.00
Fax	(per page)	1.00	0	0	25	0	25.00
Overnight shipping	(at cost)	1.00	0	0	20	0	20.00
TOTAL UNITS:			0	0	178	0	
TASK TOTAL (\$):			0.00	0.00	89.00	0.00	89.00

TABLE 3 (Page 3 of 3)

TRAVEL COSTS
TASK 3: REMEDIAL INVESTIGATION
 Town of Salina

ITEM	RATE BASE	ESTIMATED \$ PER UNIT	3.1 DATA VALIDATION AND EVALUATION	3.2 PRELIMINARY RI REPORT	3.3 PHASE II RI WORKPLAN	3.4 FINAL RI REPORT	TOTAL (\$)
Personal mileage (per mile)		0.315	0	0	110	0	34.65
Tolls (at cost)		1.00	0	0	5	0	5.00
TOTAL UNITS:			0	0	115	0	
TASK TOTAL (\$):			0.00	0.00	39.65		39.65

LABOR HOURS AND COSTS
TASK 4: SECOND PHASE INVESTIGATION
 Town of Salina

NSPE/ASCE LABOR CLASS	1999 HOURLY RATE (\$)										TOTAL HOURS	SUBTOTAL (\$)													
	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	5.00															
IX	53.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00												
VIII	42.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00												
VII	38.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00												
VI	33.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00												
V	29.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00												
IV	26.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00												
III	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00												
II	20.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00												
I	15.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00												
WP	15.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00												
TOTAL UNITS:													0	0	0	0	0	0	0	0	0	0	0	0	
DIRECT SALARY COSTS (\$):													0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INDIRECT SALARY COSTS (\$):													1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL (\$):													0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED FEE (\$):													0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATERIAL COSTS (\$):													0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRAVEL COSTS (\$):													0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIELD EQUIPMENT (\$):													0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBS (\$):													0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MGMT FEE (\$):													0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL (\$):													0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 4 (Page 1 of 3)

LABOR HOURS AND COSTS
TASK 5: RISK ASSESSMENT
 Town of Salina

NSPE/ASCE LABOR CLASS	1999 HOURLY RATE (\$)		5.1 HUMAN HEALTH RISK ASSESSMENT		5.2 ECOLOGICAL RISK ASSESSMENT		TOTAL HOURS	TOTAL SUBTOTAL (\$)
	NSPE	ASCE	Hours	Rate	Hours	Rate	Hours	Subtotal
IX	53.27	0.0	4.0		4.0		4	213.08
VIII	42.97	52.0	8.0		8.0		60	2,578.20
VII	38.68	0.0	0.0		0.0		0	0.00
VI	33.77	0.0	0.0		0.0		0	0.00
V	29.97	0.0	0.0		0.0		0	0.00
IV	26.35	100.0	140.0		140.0		240	6,324.00
III	20.80	40.0	30.0		30.0		70	1,456.00
II	20.05	220.0	120.0		120.0		340	6,817.00
I	15.96	220.0	40.0		40.0		260	4,149.60
WP	15.96	40.0	40.0		40.0		80	1,276.80
TOTAL UNITS:		672	382				1,054	
DIRECT SALARY COSTS (\$):		14,262.04	8,552.64					22,814.68
INDIRECT SALARY								
COSTS (\$):	1.55	22,106.16	13,256.59					35,362.75
SUBTOTAL (\$):		36,368.20	21,809.23					58,177.43
FIXED FEE (\$):	0.10	3,636.82	2,180.92					5,817.74
MATERIAL COSTS (\$):		165.00	405.00					570.00
TRAVEL COSTS (\$):		89.65	89.65					179.30
FIELD EQUIPMENT (\$):		0.00	0.00					0.00
SUBS (\$):		0.00	0.00					0.00
MGMT FEE (\$):	0.05	0.00	0.00					0.00
TOTAL (\$):		40,259.67	24,484.80					64,744.47

TABLE 4 (Page 2 of 3)

MATERIAL COSTS
TASK 5: RISK ASSESSMENT
 Town of Salina

ITEM	RATE BASE	ESTIMATED \$ PER UNIT			TOTAL (\$)
		3.1 HUMAN HEALTH RISK ASSESSMENT	5.2 ECOLOGICAL RISK ASSESSMENT	5.3 RISK ASSESSMENT	
Telephone	(at cost)	1.00	30	50	80.00
Reproduction	(per page)	0.07	500	500	70.00
General PC usage	(per hr)	1.50	40	40	120.00
Fax	(per page)	1.00	40	40	80.00
Overnight shipping	(at cost)	1.00	0	20	20.00
Information purchases	(at cost)	1.00	0	200	200.00
TOTAL UNITS:		610	850		
TASK TOTAL (\$):		165.00	405.00		570.00

* - Stakes, graphic supplies, etc.

TABLE 4 (Page 3 of 3)

TRAVEL COSTS
TASK 5: RISK ASSESSMENT
 Town of Salina

ITEM	RATE BASE	ESTIMATED \$ PER UNIT	5.1 HUMAN HEALTH RISK ASSESSMENT	5.2 ECOLOGICAL RISK ASSESSMENT	5.3 RISK ASSESSMENT REPORT	TOTAL (\$)
Personal mileage	(per mile)	0.315	110	110	0	69.30
Tolls	(at cost)	1.00	5	5	0	10.00
Miscellaneous	(at cost)	1.00	50	50	0	100.00
TOTAL UNITS:			165	165	0	
TASK TOTAL (\$):			89.65	89.65	0.00	179.30

TABLE 5 (Page 1 of 1)

LABOR HOURS AND COSTS
TASK 6: FEASIBILITY STUDY
 Town of Salina

NSPE/ASCE LABOR CLASS	1999 HOURLY RATE (\$)	B.1 IDENTIFY POTENTIAL TECHNOLOGIES			B.2 EVALUATION OF REMEDIAL ALTERNATIVES			B.3 FEASIBILITY STUDY REPORT			TOTAL HOURS	SUBTOTAL (\$)
IX	53.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
VIII	42.97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
VII	38.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
VI	33.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
V	29.97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
IV	26.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
III	20.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
II	20.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
I	15.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
WP	15.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
TOTAL UNITS:		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
DIRECT SALARY COSTS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
INDIRECT SALARY COSTS (\$):		1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FIXED FEE (\$):		0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MATERIAL COSTS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TRAVEL COSTS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FIELD EQUIPMENT (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SUBS (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MGMT FEE (\$):		0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL (\$):		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

TABLE 7 (Page 1 of 3)

LABOR HOURS AND COSTS
TASK 7: SUPPORT ACTIVITIES
 Town of Salina

NSPE/ASCE LABOR CLASS	1999 HOURLY RATE (\$)	7.1 CITIZEN PARTICIPATION ACTIVITIES		7.2 PRP SEARCH ACTIVITIES		TOTAL HOURS	SUBTOTAL (\$)
IX	53.27	0.0	0.0	0.0	0.0	0	0.00
VIII	42.97	16.0	0.0	0.0	0.0	16	687.52
VII	38.68	0.0	0.0	0.0	0.0	0	0.00
VI	33.77	0.0	0.0	0.0	0.0	0	0.00
V	29.97	0.0	0.0	0.0	0.0	0	0.00
IV	26.35	16.0	0.0	0.0	0.0	16	421.60
III	20.80	0.0	0.0	0.0	0.0	0	0.00
II	20.05	0.0	0.0	0.0	0.0	0	0.00
I	15.96	0.0	0.0	0.0	0.0	0	0.00
WP	15.96	8.0	0.0	0.0	0.0	8	127.68
TOTAL UNITS:		40.0	0.0	0.0	0.0	40.0	
DIRECT SALARY COSTS (\$):		1,236.80	0.00	0.00	0.00		1,236.80
INDIRECT SALARY COSTS (\$):		1.55	1,917.04	0.00	0.00		1,917.04
SUBTOTAL (\$):		3,153.84	0.00	0.00	0.00		3,153.84
FIXED FEE (\$):		0.10	315.38	0.00	0.00		315.38
MATERIAL COSTS (\$):		84.00	0.00	0.00	0.00		84.00
TRAVEL COSTS (\$):		567.50	0.00	0.00	0.00		567.50
FIELD EQUIPMENT (\$):		0.00	0.00	0.00	0.00		0.00
SUBS (\$):		0.00	0.00	0.00	0.00		0.00
MGMT FEE (\$):		0.05	0.00	0.00	0.00		0.00
TOTAL (\$):		4,120.72	0.00	0.00	0.00		4,120.72

TABLE 7 (Page 2 of 3)

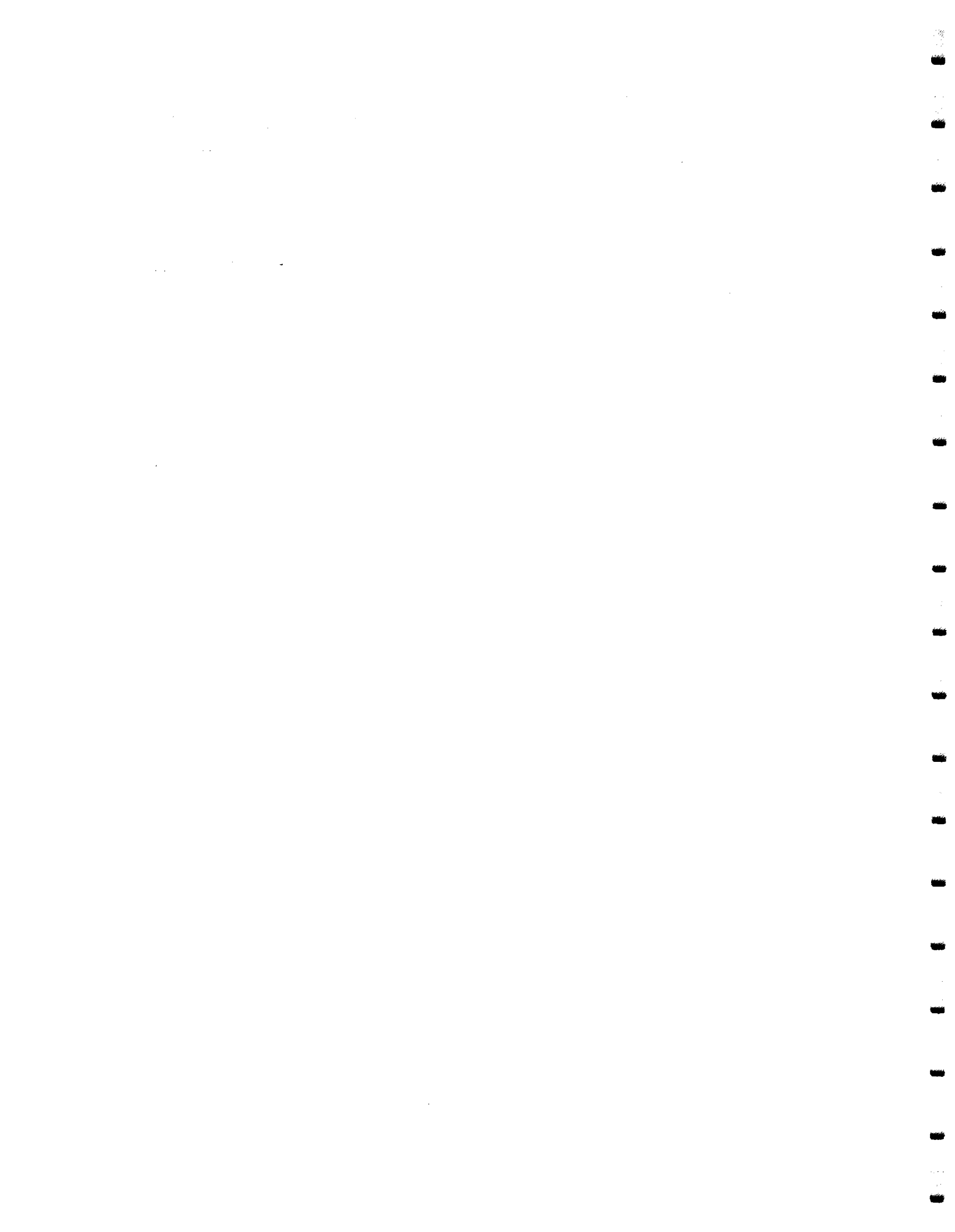
MATERIAL COSTS
TASK 7: SUPPORT ACTIVITIES
 Town of Salina

ITEM	RATE BASE	ESTIMATED \$ PER UNIT	7.1 CITIZEN PARTICIPATION ACTIVITIES	7.2 PRP SEARCH ACTIVITIES	TOTAL (\$)
Telephone	(at cost)	1.00	25	0	25.00
Reproduction	(per page)	0.07	100	0	7.00
General PC usage	(per hr)	1.50	8	0	12.00
Fax	(per page)	1.00	20	0	20.00
Overnight shipping	(at cost)	1.00	20	0	20.00
TOTAL UNITS:			173	0	
TASK TOTAL (\$):			84.00	0.00	84.00

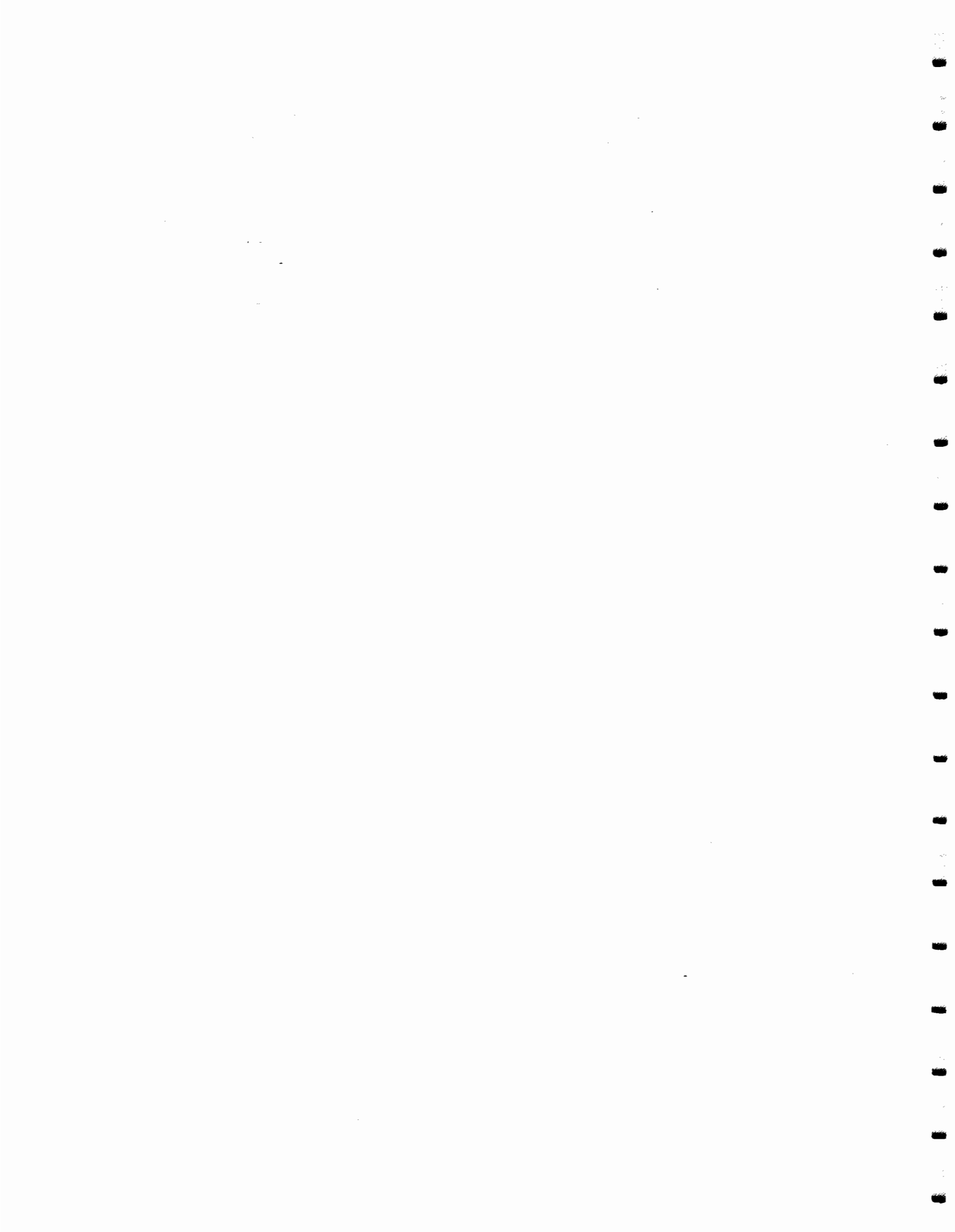
TABLE 7 (Page 3 of 3)

TRAVEL COSTS
TASK 7: SUPPORT ACTIVITIES
 Town of Salina

ITEM	RATE BASE	ESTIMATED \$ PER UNIT	7.1 CITIZEN PARTICIPATION ACTIVITIES	7.2 PRP SEARCH ACTIVITIES	TOTAL (\$)
Personal mileage	(per mile)	0.315	500	0	157.50
Per diem	(per day)	195.00	2	0	390.00
Tolls	(at cost)	1.00	20	0	20.00
TOTAL UNITS:			522	0	
TASK TOTAL (\$):			567.50	0.00	567.50



SECTION 4



INTER-OFFICE CORRESPONDENCE



Date: May 15, 1998

To: Rick Loewenstein
From: Chris Burns
Subject: Review of PRP Proposals – Town of Salina Landfill RI/FS
CHA Project 6967

We sent out five requests for proposals (RFPs) to perform a PRP Search for the Town of Salina Landfill RI/FS. The firm YEC chose not to submit a proposal for this project. I have reviewed the other four proposals received. I have summarized the objective aspects of each proposal in the following table.

My subjective comments on the proposals are as follows:

IMS PC

This proposal is the lowest cost of all four proposals and is based on the lowest level of effort and the lowest multiplier. However, the cost of the labor category with the most number of hours is \$28.34, which is the highest of all four proposals. Only 12 hours are budgeted for the Work Plan which seems inadequate. The Scope of Work does not follow the RFP and their experience appears to be fair to good.

GRB Environmental Services

This proposal is second lowest cost, second lowest multiplier, second lowest level of effort. Additionally, the cost of the labor category with the most number of hours is \$17, which is also the second lowest of all four proposals. Their experience is good and approach is good. There is an inconsistency in the number of hours proposed for the Work Plan stage and the number of weeks to complete the Work Plan. They envision a draft and final work plan. They did not budget any per diem for travel to Syracuse. They did work for the DeWitt Landfill project.

TRC

This proposal is third lowest cost, but has highest multiplier. Their experience is very good and their approach is good. This proposal contained detailed assumptions for estimating costs. This firm did their homework during proposal preparation, having talked to the Town Clerk and Highway Superintendent. The proposal did not present NSPE levels. The firm is not a WBE/MBE.

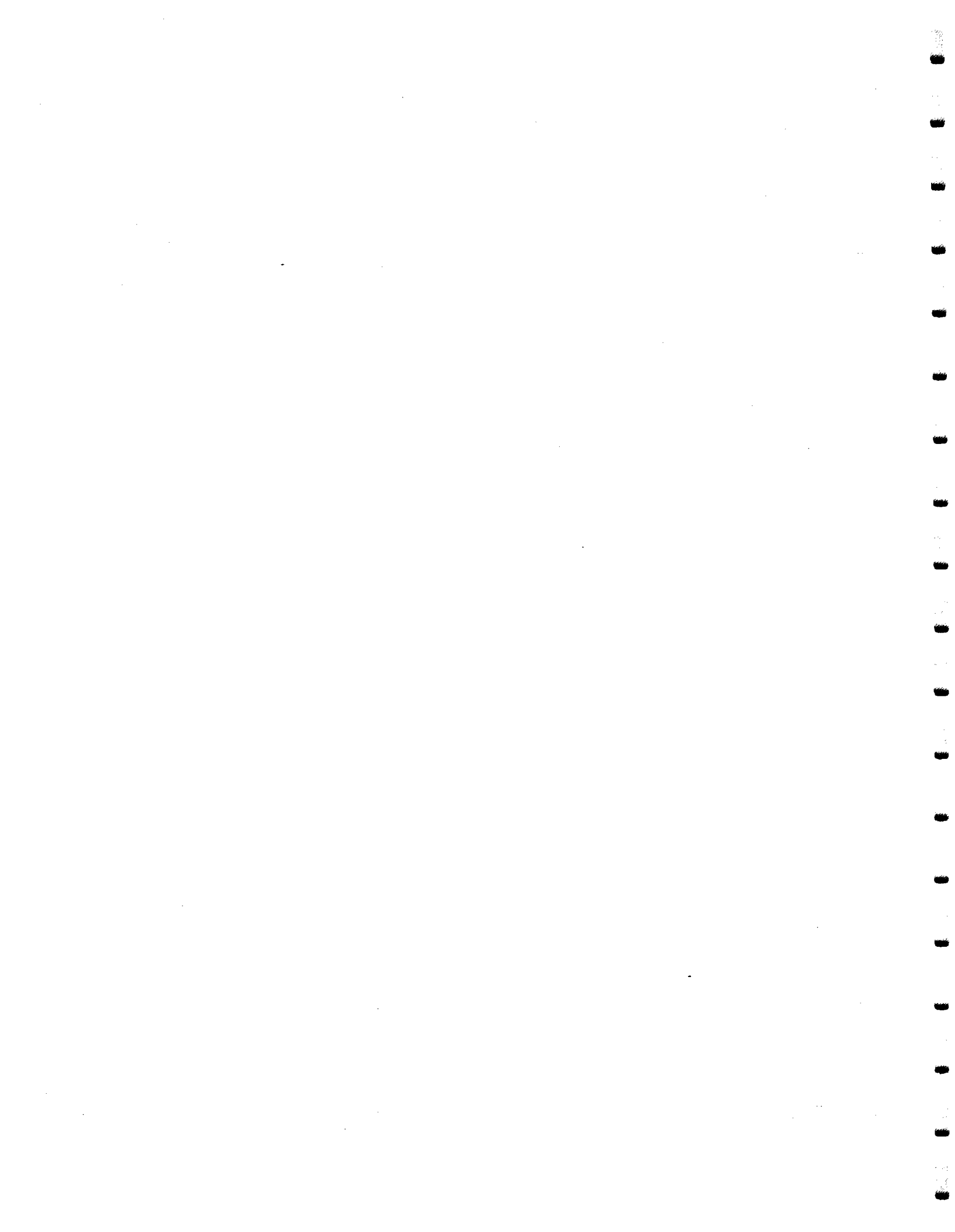
WCH Envirotech

This proposal is from a joint venture of 1 firm from Maryland and 1 firm for NYC. This proposal was the highest cost and had the highest level of effort. The cost of the labor category with the most number of hours is \$13.90, which was the lowest of all proposals. Their experience was good and their project approach was good. They proposed a draft and final work plan. They have an expensive travel budget, which includes airfare to Syracuse.

Based on my review, I would recommend selection of GRB Environmental Services for this job. As part of contract negotiation, I would confirm with DEC that a draft work plan is not necessary and I would ask GRB to reevaluate the schedule for work plan completion and their travel budget.

SUMMARY OF PRP SEARCH PROPOSALS

Consultant	Total Cost	Multiplier	Expenses	Total Hours	Cost of Personnel w/ Majority of Hours	Work Plan Completion	Project Completion	Location	Local Work
IMS PC	\$21,464	2.31	\$1,985	309	\$28.34	3 days	20 weeks	Rochester	Oneida Correctional Facility
GRB Env Services	\$32,971	2.37	\$1,800	446	\$17.00	13 weeks	52 weeks	NYC	DeWitt LF
TRC	\$41,062	2.68	\$3,971	644	\$22.68	4 weeks	40 weeks	NYC	Syracuse Oil Recovery Facility
WCH Envirotech	\$45,765	2.48	\$3,426	862	\$13.90	3 weeks	39 weeks	NYC/Maryland	Huntington, LI



INTER-OFFICE CORRESPONDENCE



Date: April 28, 1998

To: File

From: Chris Burns

Subject: Town of Salina Landfill

CHA Project No. 6967.07.15

The following firms were contacted to provide a cost quotation for drilling services for the Town of Salina Landfill RI/FS:

Nothnagle Drilling
821 Scottsville-Mumford Road
Scottsville, NY 14546

Atlantic Testing Laboratories
PO Box 29
6431 U.S. Highway 11
Canton, NY 13617

Parratt-Wolff
PO Box 56
587 Fisher Road
E. Syracuse, NY 13057

American Auger & Ditching (WBE)
453 Rt. 23
Constantia, NY 13044

Land, Air, Water Emt. Services (WBE)
PO Box 372 32 Chichester Ave
Center Moriches, Ny 11934

The following prices were submitted by the firms contacted.

American Auger & Ditching	\$39,503.00
Parratt-Wolff	\$40,675.00
Nothnagle Drilling	\$55,462.00
Atlantic Testing Laboratories	\$57,953.70
Land, Air, Water Emt. Services	No Bid

only 4 quotes

Based on this information, American Auger & Ditching has the apparent low bid of \$39,503.00. The low bid has been revised by CHA based on comments received from the NYSDEC on the draft work plan. The revised bid is attached.

**ATTACHMENT B
PROPOSAL FORM
AMERICAN AUGER
BID ITEMS**

Description	Unit Cost - Level D	Units	No. of Units	Total Cost
Mobilization				
Mobilization and Site Access	400	\$/ea.	1	400
Personal Prot. Equip	20	\$/day	40	800
Per Diem	0	\$/per/day	40	0
Drilling				
4.25" ID Hollow Stem Augers	13	\$/ft	460	5980
8.25" ID Augers (0-50 ft)	17	\$/ft	90	1530
6" Carbon Steel Casing Installed in 8.25" augers(0-50ft)	18	\$/ft	90	1620
Spin Flush Joint Casing - 4" (0-50 ft)	18	\$/ft	60	1080
Spin Flush Joint Casing - 4" (50-100 ft)	18	\$/ft	150	2700
2" OD Split Spoon (0-50ft)	10	\$/ea	265	2650
2" OD Split Spoon (50-100 ft)	10	\$/ea	125	1250
Well Construction				
PVC Screen 2" ID, #10 Slot	3	\$/ft	110	330
2" ID PVC Sch 40 End Cap	7	\$/ea	11	77
2" ID PVC Sch 40 Riser	2	\$/ft	350	700
Sand Pack for 2" Well (0-50 ft)	7	\$/ft	100	700
Sand Pack for 2" Well (50-100ft)	7	\$/ft	36	252
Bentonite Seal for 2" Well (0-50ft)	17	\$/ft	16	272
Bentonite Seal for 2" Well (50-100ft)	17	\$/ft	6	102
Riser Grout for 2" Well (0-50ft)	6	\$/ft	300	1800
Riser Grout for 2" Well (50-100ft)	6	\$/ft	108	648
Protective Casing/Locking Cover/Concrete Pad	100	\$/ea	11	1100
Temporary Well Points				
Drilled and Installed	300	\$/ea	7	2100
Development and Decontamination				
Well Development by Airlift	90	\$/hr	44	3960
Decon Pad	250	\$/ea	1	250
Decon Time	90	\$/hr	26	2340
Steam Cleaner	25	\$/day	40	1000
Water Tanker/Water/Procurement	100	\$/day	40	4000
Generator	0	\$/day	40	0
Level C Upgrade	100	\$/day	0	0
TOTAL				37641

Company Name _____
 Name _____
 Signature _____
 Title _____
 Date _____

Please return to: Christopher Burns
 Clough, Harbour & Associates LLP
 109 S. Warren Street, Suite 1300
 Syracuse, NY 13202
 FAX - (315) 471-3569

INTER-OFFICE CORRESPONDENCE



**CLOUGH, HARBOUR
& ASSOCIATES**
ENGINEERS, SURVEYORS, PLANNERS
& LANDSCAPE ARCHITECTS

Date: May 15, 1998

To: File

From: Chris Burns

Subject: Town of Salina Landfill

CHA Project No. 6967.07.15

The following firms were contacted to provide laboratory services for the Town of Salina RI/FS.

Recra Environmental, Inc.
Audubon Business Centre
10 Hazelwood Drive
Amherst, NY 14228

Upstate Laboratories, Inc.
Box 289
Syracuse, NY 13206

Scilab Albany, Inc. (MBE)
15 Century Hill Drive
PO Box 787
Latham, NY 12110

H2M Labs, Inc.
575 Broad Hollow Road
Melville, NY 11747-5076

Chemtech (MBE)
110 Route 4
Englewood, NJ 07631

Mitkem Corporation (MBE)
175 Metro Center Blvd.
Warwick, RI 02886-1755

Columbia Analytical Services
1 Mustard Street, Suite 250
Rochester, NY 14609

The following prices were submitted by the firms contacted.

Recra Environmental	\$42,874.00	Chemtech	\$52,806.00
Upstate Laboratories	\$45,246.00	Mitkem Corporation	\$55,797.00
Scilab Albany, Inc.	\$49,137.00	Columbia Analytical	\$65,010.00
H2M Labs, Inc.	\$49,428.00		

Based on this information, Recra Environmental, Inc. has the apparent low bid of \$42,874.00. Note that CHA did not request a unit price for analysis of dissolved metals in the original request for proposal. CHA requested that information from the 2 lowest bidders. The low bid has been revised by CHA to reflect this addition and in accordance with comments received from NYSDEC on the draft Work Plan. Recra Environmental remains low bid (attached).

**ATTACHMENT B
PROPOSAL FORM
RECRA ENVIRONMENTAL
BID ITEMS**

Type of Analysis	Analytical Method	Unit Cost per Sample	No. of Units	Total Cost
TCL Volatile Organic Compounds	ASP 95-1	85	90	7650
TCL Semi-Volatile Organic Compounds	ASP 95-2	170	89	15130
TCL Pesticides/PCBs	ASP 95-3	70	89	6230
TAL Metals (IACP - 23 Metals, including digestion)	200.7 CLP-M	95	72	6840
TAL Metals (dissolved)	200.7 CLP-M	95	20	1900
Cyanide	335.2 CLP-M	32	72	2304
Leachate Parameters				
pH (SU)	150.1	5	24	120
Turbidity (NTU)	180.1	5	24	120
Specific Conductance (umhos/cm)	120.1	5	24	120
Total Dissolved Solids	160.1	5	24	120
Chemical Oxygen Demand	410.1	30	24	720
Biochemical Oxygen Demand	405.1	15	20	300
Total Organic Carbon	415.1	15	81	1215
Sulfate	375.4	10	24	240
Sulfide	376.2	10	24	240
Alkalinity (total)	310.1	10	24	240
Chloride	325.3	10	24	240
Hardness (total)	130.2	10	5	50
Total Kjeldahl Nitrogen	351.2	15	24	360
Ammonia	350.2	10	24	240
Nitrate	352.1	10	24	240
Phenols	420.2	15	24	360
Hazardous Waste Parameters				
Corrosivity	SW-846	10	0	0
Ignitability	40 CFR 261.21	25	0	0
Reactivity	SW-846	48	0	0
Total Organic Halogen (TOX)	9020	80	0	0
TCLP Extraction	SW-846	75	0	0
TCLP Volatiles	8240	85	0	0
TCLP Semi-volatiles	8270	170	0	0
TCLP Pesticides Herbicides	8080/8150	200	0	0
TCLP Metals	TAL Metals +Cn	70	0	0
TOTAL				44979

Indicate % Increase for Expedited Turnaround

24 Hour _____
 48 Hour _____
 1 week _____
 2 weeks _____

Company Name _____
 Name _____
 Signature _____
 Title _____
 Date _____

Please return to: Christopher-Burns
 Clough, Harbour & Associates LLP
 109 S. Warren Street, Suite 1300
 Syracuse, NY 13202
 FAX - (315) 471-3569

INTER-OFFICE CORRESPONDENCE



Date: April 29, 1998

To: File

From: Chris Burns

Subject: Town of Salina Landfill

CHA Project No. 6967.07.15

The following firms were contacted to provide a cost quotation for data validation services during the Town of Salina RI/FS:

Dataval, Inc.
840 Hooper Road
Endwell, NY 13760

ERM Northeast
421 New Karner Road
Albany, NY 12205

Nancy Potak (WBE)
RR 1 Box 1295
Greensboro, VT 05841

Data Validation Services (WBE)
120 Cobble Creek Road, Suite 283
North Creek, NY 12853

The following prices were submitted by the firms contacted.

Nancy Potak	\$6,062.00
Dataval, Inc.	\$8,163.00
Data Validation Services	\$8,828.00
ERM Northeast	\$12,526.00

Based on this information, Nancy Potak has the apparent low bid of \$6,062.00.

Note that initially, only Data Validation Services was asked to provide a quotation. That quotation exceeded the \$5,000 limit for sole source procurement so additional quotations were requested from the other firms listed above.

INTER-OFFICE CORRESPONDENCE



Date: April 28, 1998

To: File

From: Chris Burns

Subject: Town of Salina Landfill

CHA Project No. 6967.07.15

The following firms were contacted to provide a cost quotation for test pit services for the Town of Salina RI/FS:

AAA Fabrizio Environmental
Construction (MBE/WBE)
202 Gillis Street
Solvay, NY 13209

Applied Earth Technologies (WBE)
6589 US Highway 11
Canton, NY 13617

American Auger & Ditching (WBE)
453 Rt. 23
Constantia, NY 13044

EJ Construction Group, Inc. (MBE)
1010 West Belden Ave.
Syracuse, NY 13204

Maxim Construction Services (WBE/MBE)
5974 Fisher Rd.
East Syracuse, NY 13057

The following prices were submitted by the firms contacted.

American Auger & Ditching	\$4,040.00
Applied Earth Technologies	\$6,134.00
Minley Trucking Construction	\$9,012.00
Maxim Construction	No Bid
EJ Construction Group	No Bid

Based on this information, American Auger & Ditching has the apparent low bid of \$4,040.00.

INTER-OFFICE CORRESPONDENCE



**CLOUGH, HARBOUR
& ASSOCIATES**
ENGINEERS, SURVEYORS, PLANNERS
& LANDSCAPE ARCHITECTS

Date: May 15, 1998

To: File

From: Chris Burns

Subject: Town of Salina Landfill

CHA Project No. 6967.07.15

Copy services are required during the course of the Town of Salina Landfill RI/FS. CHA identified two Syracuse area MBE and WBE copy services (listing from <http://www.empire.state.ny.us>). The following firms were contacted:

Liverpool Blueprint (WBE)

Skaneateles Office Supply (WBE)

Skaneateles Office Supply cannot copy 24" by 30" drawings. Liverpool Blueprint is located in the Town of Salina. Liverpool Blueprint has been selected as a sole source for copy services. They will provide these services at the following unit rates:

8" x 11" copies	\$0.05 (\$0.10/double-sided page)
11" x 17" copies	\$0.15
24" x 30" copies	\$1.50

INTER-OFFICE CORRESPONDENCE



Date: May 15, 1998

To: File

From: Chris Burns

Subject: Town of Salina Landfill

CHA Project No. 6967.07.15

An electrical contractor is needed to provide an electrical hookup to a site trailer to be installed on site during the field investigation for the Town of Salina Landfill RI/FS. CHA identified four Syracuse area MBE and WBE electrical contractors (listing from <http://www.empire.state.ny.us>). The following firms were contacted:

Starlite Electric, Inc. (MBE)
4229 Orion Path
Liverpool, NY 13090

416 W. Onondaga
Street
Syracuse, NY 13202

Taylor Electrical Contractors (MBE)
4300 West Genesee Street
Syracuse, NY 13219

Patricia Electric Inc (WBE)
1423 North Salina
Street
Syracuse, NY 13208

APW Electric Corp (MBE)

The telephone numbers for Starlite Electric and Taylor Electrical Contractors were incorrect and the Syracuse telephone book did not contain listings for these contractors. The following prices were submitted by the firms contacted.

Patricia Electric	\$2,902.00
APW Electric Corp.	\$1,680.98

Based on this information, APW Electric Corp is the apparent low bid.

INTER-OFFICE CORRESPONDENCE



Date: May 15, 1998

To: File

From: Chris Burns

Subject: Town of Salina Landfill

CHA Project No. 6967.07.15

A site trailer will be required during the course of the field investigation for the Town of Salina Landfill RI/FS. CHA did not identify any Syracuse area MBE or WBE firms that rent office trailers. The following firms were contacted:

GE Capital Modular Space
402 N. Central Avenue
Minoa, New York 13116

William Scotsman
6 Industry Drive
Waterford, New York 12158

Premier Modulares Inc
P.O. Box 224
Syracuse, New York 13211

The firms were requested to submit unit prices for four months. The following bids were submitted:

Premier Modulares	\$1,027.00
GE Capital Modular Space	\$1,035.00
William Scotsman	\$1,267.00

Based on this information, Premier Modulares is the apparent low bid. However, GE Capital Modular provides a comprehensive waiver and a liability waiver for an additional \$45/month. Premier Modulares did not respond to our inquiry regarding these type of waivers. CHA believes it is in the best interest of all parties to obtain additional insurance coverage. CHA has therefore selected GE Capital Modular to provide the site trailer and has budgeted \$1,215.00 for this service (\$1,035 plus \$180 for waivers).

INTER-OFFICE CORRESPONDENCE



**CLOUGH, HARBOUR
& ASSOCIATES**
ENGINEERS, SURVEYORS, PLANNERS
& LANDSCAPE ARCHITECTS

Date: May 15, 1998

To: File

From: Chris Burns

Subject: Town of Salina Landfill

CHA Project No. 6967.07.15

A photoionization detector (PID) is required during the field investigation for the Town of Salina Landfill RI/FS. CHA owns several PIDs and has an approved rate of \$17/day from the NYSDEC for use of this equipment. However, because of the length of time a PID is required for this project, a CHA-owned PID may not be available. As a contingency, CHA has contacted the following firms regarding monthly rental rates for a PID:

Field Environmental Instruments
Hazco
CSR
Response Rental

The following prices were submitted by the firms contacted.

Field Environmental Instruments	\$ 650.00
CSR	\$ 720.00
Response Rental	\$ 750.00
Hazco	\$1,210.00

The apparent low rental rate is from Field Environmental Instruments. CHA has budgeted for use of our own PID at the NYSDEC-approved daily rate. However, should the need arise, the budget would allow CHA to rent a PID for a month.



