	A	B	C	D	E	F	G	H
1								
2	**Table 2. Closure Cost Estimate**							
3								
4	**Ecology Control Industries - Fontana**							
5								
6	**Description**	**Quantity**	**Unit**	**Price**	**Unit**	**Cost**		
7	A. Decontamination of sealed areas					$		
8	*Labour*							
9	Tank staging pad	3605	ft^2	0.5	$/ft^2	1803		
10	Tank processing pad	800	ft^2	0.5	$/ft^2	400		
11	Rinsate tank secondary containment	1215	ft^2	0.5	$/ft^2	608		
12							2810	
13	*Transportation and Disposal of Rinsate*							
14	Tank staging pad	14420	gal	0.55	$/gal	7931		
15	Tank processing pad	3200	gal	0.55	$/gal	1760		
16	Rinsate tank secondary containment	4860	gal	0.55	$/gal	2673		
17							12364	
18	B. Decontamination of Rinsate Tanks							
19	*Labour*							
20	Large rinsate tank (incl. pump and piping)	4	hrs	50	$/hr	200		
21	Small rinsate tank (incl. pump and piping)	3	hrs	50	$/hr	150		
22							350	
23	*Disposal of Rinsate*							
24	Large rinsate tank	2463.0	gal	0.55	$/gal	1355		
25	Small rinsate tank	954.5	gal	0.55	$/gal	525		
26	Pumps and associated piping (2 units)	100.0	gal	0.55	$/gal	55		
27							1934.7	
28	*Transportation*							
29	Vacuum truck (2 trips, 51 miles per trip)	102.0	miles	1.91	$/mile	195		
30							195	
31	*Physical Relocation and Disposal of Tanks*							
32	Large rinsate tank	5200	gal	300	$/unit	300		
33	Excavation (to be performed by ECI)	1850	gal	250	$/unit	250		
34							550	
35	C. Site Equipment e.g. shovels							
36	*Decontamination*							
37	Labour	16	hrs	50	$/hr	800		
38	Disposal of Rinsate	200	gal	0.55	$/gal	110		
39	Relocation off the site (labour + truck)	2	days	500	$/day	1000		
40							1910	
41	D. Sampling							
42	*Soil Sample Collection*							
43	Labour	80	hrs	100	$/hr	8000		
44	Drill rig	5	days	300	$/day	1500		
45							9500	
46	*Soil Sample Analysis*							
47	Soil samples (17 locations x 2 samples)	34	samples	300	$/sample	10200		
48	Background samples (CAM 17 metals)	10	samples	150	$/sample	1500		
49	Field duplicates	4	samples	200	$/sample	800		
50							12500	
51	*Confirmation Sampling (collection and analysis)*							
52	Concrete chip sampling (sealed areas)	7	samples	200	$/sample	1400		
53	Wipe sampling (tanks and equipment)	10	samples	50	$/sample	500		
54							1900	

	A	B	C	D	E	F	G	H
55	E. Excavation of Contaminated Soil							
56	Additional sampling	10	samples	300	$/sample	3000		
57	Excavation (to be performed by ECI)	50	yd^3	0	$/yd^3	0		
58	Transportation (to be performed by ECI)	50	yd^3	0	$/yd^3	0		
59	Disposal fee (50 yd^3 = 87.5 Tons)	87.5	Tons	23	$/Ton	2012.5		
60	Backfill transportation (to be performed by ECI)	50	yd^3	0	$/yd^3	0		
61	Placing/compacting of backfill (by ECI)	50	yd^3	0	$/yd^3	0		
62							5012.5	
63	F. Miscillaneous							
64	Disposal of contaminated PPE	0.5	yd^3	50	$/yd^3	25		
65	Disposal of trash and non-hazardous material	5	yd^3	50	$/yd^3	250		
66							275	
67	G. Closure Certification (Prof. Eng.)							
68	10% of closure cost	1	Cert.	4930.1	$/Cert.	4930.1		
69							4930.097	
70	Subtotal						54231.07	
71	20% contingency						10846.21	
72	**Total (including contingency)**						**65077.28**	

	A	B	C	D	E	F	G	H	I
1									
2	**Table 3. Closure Cost Estimate Supporting Calculations**								
3									
4	**Calculating rinsate generated from the cleaning of the rinsate tanks**								
5	*Large Rinsate Tank*								
6	Diameter	D	14	ft					
7	Height	H	7	ft					
8	Approximate the tank to a cylinder								
9	Total surface area = Pi() * D * H + 2* Pi()/4*D^2								
10			615.7522	ft^2					
11	Assume 4 gal of rinsate is generated per square foot of surface cleaned								
12	Rinsate generated = Total surface area * 4								
13			2463.009	gal					
14									
15	*Small Rinsate Tank*								
16	Diameter	D	6	ft					
17	Height	H	9.66	ft					
18	Approximate the tank to a cylinder								
19	Total surface area = Pi() * D * H + 2* Pi()/4*D^2								
20			238.6354	ft^2					
21	Assume 4 gal of rinsate is generated per square foot of surface cleaned								
22	Rinsate generated = Total surface area * 4								
23			954.5415	gal					
24									
25	**Calculating rinsate generated from the cleaning of sealed areas**								
26	*Tank Staging Pad*								
27	Length	L	35	ft					
28	Bredth	B	103	ft					
29	Total surface area = L * B								
30			3605	ft^2					
31	Assume 4 gal of rinsate is generated per square foot of surface cleaned								
32	Rinsate generated = Total surface area * 4								
33			14420	gal					
34									
35	*Tank Processing Pad*								
36	Length	L	16	ft					
37	Bredth	B	50	ft					
38	Total surface area = L * B								
39			800	ft^2					
40	Assume 4 gal of rinsate is generated per square foot of surface cleaned								
41	Rinsate generated = Total surface area * 4								
42			3200	gal					
43									
44	*Rinsate Tank Secondary Containment*								
45	Length	L	27	ft					
46	Bredth	B	45	ft					
47	Total surface area = L * B								
48			1215	ft^2					
49	Assume 4 gal of rinsate is generated per square foot of surface cleaned								
50	Rinsate generated = Total surface area * 4								
51			4860	gal					