APPENDIX C TABULATION OF TOTAL SLUDGE DEWATERING AND DISPOSAL COSTS

APPENDIX C. TABULATION OF TOTAL SLUDGE DEWATERING AND DISPOSAL COST

			BELT	BELT FILTER PRESSES	ESSES		UNKNOWN	VACUUM	SPECIAL VACUUM FILTER		CENTRI - FUGES	FILTER PLATE PRESS		
	Envirex	Kom! Ine	Euramca	Passavant	Parkson	Infilco	L-R-S	Envirex	Anc-	Bird*	Sharp les	Passavant	Ranges	
	Filter	Filter	Filter	Filter	Filter	Filter	"Black	Vac.	Barefoot	Centri-	Centr I-	Pressure	(excludes highest	st -
	Press	Press	Press	Press	Press	Press	Box"	Filter	Vac. Leg	fuge	fuge	Filter	and lowest)	1
Annual Amort. Cost	<u> </u>	13.340	25,535	23,534	27,040	16, 198	29,660	52,785	154,251	20,010	26,440	64,790	16, 198 - 64,	64,790
1 2 50/br	Ĺ		29, 700		29,700	59,400	Incl. Below	11,475	59,400	2,475	3,713	14,850	7,425 - 29,	29, 700
Earlor & \$7.50/111	20617		A 515	1	5, 953	886	incl.	57.550	95,278	576,7	5,315	6, 198	2,110 - 57,	57,550
Chemicale	0	259,806	208.000	69.300	259.875	(1)	152,931	0	29,040	8,100	940,000	0	69,300 - 259,806	906
Maint, and Repairs	25.90	1	19.400	4,500	12,900	4,500	Incl. Above	14,820	206, 561	3,000	2,500	15,000	4,500 - 25,	25,900
Other			0	0	0	0	0	0	0	0	0	0	0	0
Total Annial Cost	\$ 80.016	\$289,131	\$287,150	\$124.098	\$335,468	\$162,164	\$182,591	\$136,630	\$544,530	\$ 41,558	977,968	\$100,838	\$ 80,016 -\$544,530	530
(4a) boalingd con		092	282	480	569	(2)	(2)	360	(7)	112	123	400	269 - 13	1320
(15) 00 Haber be IV		(pemilse) (pemilse)		20.0	18.2	40.0	27.0	(assumed)	(7) 90 • 0	8.0	12.7	8.0	12.7 -	40
(++) (++)			<u> </u>	24.0		33.0	35,75		(7) 90 • 0	14.0	7.6	50.0	14.4 -	20
Welght (1bs)			34,000	21,600		30,000	-		ł	15,000	(5) 5,000	280,000	21,600 - 34,	34,000
Dor 20 E+ (1he)			121	45	116	23	ć.		2	134	41	700	41 - 1	121
Collde Achleved	10.0	12.25		14.0	20.5	10.5	(3)	10.0	(4) 16–58	20.0	9.5	12.5	9.5 - 20	(6)
- A	Their lab	PE PE	<u>-</u> 2	Their lab	Their	Their lat	Pilot on site	Their lat	Pilot on site	Not Confirmed	Their lab	Their lab		
Cost/Ton Dry Solids	11,55	1			48.41	23.40	26.35	19.72	78,58	9.00	155.55	14.55	14,55- 78	78.58
Remarks	Four 1.0	<u> </u>	Ě	Ě	Тwo 2.0m ea.	(1) Estimate				No sludge test				
Dally Wt. of	219	184	175		116	212	108	219	163	119	230	181	116 - 2	219
Dally Vol. of	245	200	189	175	120	233	109	245	175	123	255	196	120 - 2	245
(1) Estimated			(5) Add	Add motors										

Estimated

Includes clearances

Does not agree with our lab 3 6 5

*Note: Excluded due to unconfirmed statistical data

APPENDIX C. TABULATION OF TOTAL SLUDGE DEWATERING AND DISPOSAL COSTS CON'T

		_	-		+	او					_+										
	Ranges	(excludes highest	and towest)			\$170,000-\$1619,000	50,000 - 108,000		·		368,000 - 503,000	\$1547,000-2189,000			21,000 - 270,000	5,000 - 26,000	121,000 - 228,000	39,000 - 103,000	66,000 - 134,000	\$395,000 - 759,000	
FILTER PLATE PRESS	Passavant	Pressure (Filter			\$680,000	74,000	300,000	630,000		505,000	\$2189,000 \$	10		\$ 21,000 \$	15,000	188,000	64,000	107,000	\$395,000 \$	-
CENTRI – FUGES	Sharp les	Centr1-	fuge			\$278,000	50,000	300,000	630,000	-	377,000	\$1635,000	5		\$949,000	3,000	239,000	44,000	135,000	1370,000	Ξ
	B1rd*	Centri-	fuge	·		\$1619,000 \$210,000	50,000	300,000	630,000		357,000	\$1994,000 \$3987,000 \$1547,000 \$1635,000	A.A.		\$ 19,000	3,000	124,000	41,000	67,000	\$254,000	¥.
SPECIAL VACUUM FILTER	Anc-	Bar efoot:	Vac. Leg			\$ 1619,000	518,000	300,000	630,000		920,000	\$3987,000	1.		\$183,000	207,000	170,000	103,000	96,000	\$759,000	
VACJUM FILTER	Envirex	Vac.	Filter			\$554,000	50,000	300,000	630,000		460,000		6		\$ 69,000	15,000	228,000	58,000	134,000	\$504,000	5
UNKNOWN	L-R-S	"Black	Box"			\$311,000	108,000	300,000	630,000		405,000	\$1754,000	8		\$153,000	9	112,000	132,000	000*09	\$457,000	3
	Infilco	Filter	Press			\$170,000	129,000	300,000	630,000		369,000	\$1598,000	3		\$141,000	5,000	221,000	39,000	128,000	\$534,000	9
ESSES	Parkson	Filter	Press			\$284,000	50,000	300,000	630,000		379,000	\$1643,000	9		\$295,000	13,000	121,000	44,000	66,000	\$ 539,000	
BELT FILTER PRESSES	Passavant	Filter	Press			\$247,000	50,000	300,000	630,000		368,000	\$1658,000 \$1456,000 \$1622,000 \$1595,000	2		\$ 96,000	5,000	170,000	42,000	95,000	25	
1138	Euramca	Filter	Press			\$268,000	50,000	300,000	630,000		374,000	\$1622,000	4		\$246,000	25,000	182,000	48,000	103,000	\$604.000	8
	Koml Ine	Filter	Press			\$140,000	50,000	300,000	630,000		336,000	\$1456,000			\$270,000	9,000	191,000	37,000	110,000	\$614,000	6
	Envirex	Filter	Press			\$295,000	20,000	300,000	630,000		383,000	\$ 1658,000	1		\$ 26,000	26,000	228,000	45,000	134,000	\$459,000	4
					Capital Cost	Equipment	Structures	Vehicles	Landfili	Technical	Services	TOTAL	Ranking	Annual Cost	Operation	Maintenance	Transportation	(1) Replacement	Landfill	TOTAL	Ranking

(1) Equipment @ 20 years, vehichles @ 10 years

*Note: Excluded due to unconfirmed data