

EXHIBIT "E"

ATTACHED

CITY OF MARATHON
WASTEWATER TREATMENT PLANT SLUDGE ESTIMATES

Influent Flow by Service Area

Service Area	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.019	0.025	0.031
3	0.000	0.000	0.000	0.000	0.000	0.025	0.038	0.050	0.063	0.075	0.088	0.100
4	0.090	0.113	0.124	0.135	0.149	0.169	0.180	0.203	0.248	0.293	0.293	0.293
5	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.079	0.083	0.088
6	0.060	0.070	0.080	0.100	0.110	0.120	0.130	0.130	0.130	0.130	0.130	0.130
7	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.040	0.050	0.060	0.063

Sludge gallons at 2% solids

Service Area	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11
1	0	0	0	0	0	0	0	0	4032	6048	8063	10079 Area 1
3	0	0	0	0	0	8063	12095	16127	20159	24190	28222	32254 Area 3
4	29028	36285	39914	43543	47897	54428	58057	65314	79828	94342	94342	94342 Area 4
5	20965	20965	20965	20965	20965	20965	20965	20965	20965	25400	26851	28303 Area 5
6	19352	22578	25803	32254	35479	38705	41930	41930	41930	41930	41930	41930 Area 6
7	0	0	0	0	0	0	6451	9676	12902	16127	19352	20320 Area 7

* Assumes 2.5 hrs for travel, set-up and take-down

** Assumes Centrifuge can be left overnight, run 10 hr per day

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Monthly liquid sludge @ 1.5%	Run Hrs per Month @ 150 GPM	Set-ups @ 8 hr Days*	Set-ups @ 12 hr Days*	Minimum Set- ups**	
53622	6.0	1.1	0.8	1.0	Area 1
107244	11.9	2.2	1.6	1.0	Area 3
193232	21.5	3.9	2.9	2.0	Area 4
193106	21.5	3.9	2.9	2.0	Area 5
85881	9.5	1.7	1.3	1.0	Area 6
77293	8.6	1.6	1.1	1.0	Area 7