

**Monthly Report of Operation
Vertical Loop Reactor
Wastewater Treatment Plant**

(SIGNATURE OF CERTIFIED OPERATOR) (DATE)

Name of Facility: Clay Township Regional Waste D
Permit Number: IN0055760
For Month Of: June
Year: 2008

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT) (DATE)

Day Of Month	Temperature in Reactors	REACTOR # 1			REACTOR # 2			REACTOR DATA				RETURN SLUDGE		FINAL EFFLUENT					
		Settleable Solids % in 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Settleable Solids % in 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	#1 Reactor ORP mV	#1 Reactor OUR mg/l/min	#2 Reactor OUR mg/l/min	Volume - MG	Susp. Solids - mg/l	Residual Chlorine - Contact Tank	Residual Chlorine - Final	E. Coll - colony/100 ml	pH	
1												0.882							
2	17	43	3960	109	0.2	48	3760	128	2.2	-156		0.75	11180			9	7.5		
3	17.4	43	3820	113	0.2	42	3720	113	2.8	-151		0.99	10720			16	7.5		
4	16.9	41	3700	111	0.2	30	2900	103	3.1	-42		1.38	8700			17	7.5		
5	17.4	41	2420	169	0.3	42	3700	114	3.3	-18		0.86	11000			1	7.5		
6	17.7	37	3700	100	0.2	44	3500	126	2.1	-6	0.68	0.2	0.9	11120			4	7.5	
7													1.18						
8													0.9						
9	17.9	42	3540	119	0.2	41	3400	121	2.8	-56		1	10780			1	7.5		
10	17.8	34	3120	109	0.3	38	2960	128	1.2	48		1.08	8480			1	7.5		
11	17.6	36	3520	102	0.3	37	3280	113	2.2	70		0.84	9220			1	7.5		
12	17.8	39	3500	111	0.2	36	2600	138	0.7	31		0.78	9240			2	7.5		
13	18.5	36	3380	107	0.2	35	3200	109	0.6	-9	0.62	0.3	0.94	9980			4	7.5	
14													0.88						
15													0.82						
16	18.1	42	3620	116	0.2	40	3740	107	2.2	-110		0.78	9380			5	7.5		
17	18	37	3300	112	0.2	38	3280	116	2.2	-71		0.81	9880			1	7.6		
18	17.9	42	3340	126	0.2	39	3100	126	2.2	-101		0.85	8200			2	7.5		
19	18	41	3460	118	0.2	40	3340	120	2.2	-150		0.83	9800			1	7.4		
20	18.3	34	4120	83	0.2	33	4260	77	2.2	-158	0.61	0.3	0.87	9480			4	7.5	
21													0.85						
22													0.87						
23	18.7	36	3400	106	0.1	25	3580	70	3.0	-227		0.81	8000			1	7.4		
24	18.2	27	3100	87	0.1	28	3040	92	0.5	-132		0.83	6780			1	7.4		
25	18.8	46	3640	126	0.1	46	3440	134	1.9	-218		0.79	8840			1	7.4		
26	19.1	46	3360	137	0.1	41	3460	118	2.0	-219		0.8	9140			3	7.4		
27	19.2	43	5260	82	0.1	45	2560	176	2.4	-206	0.86	0.4	0.75	9700			4	7.4	
28													0.95						
29													0.94						
30	18.8	53	4160	127	0.1	57	3940	145	2.1	-237		0.81	10220			2	7.5		
Avg.	18.1	40	3591	113	0.193	39	3370	118	2.1		1	0.31	1	9516.2			2		
Max.	19.2	53	5260	169	0.29	57	4260	176	3.25		0.86	0.44	1.38	11180			17	7.6	
Min.	16.9	27	2420	82	0.09	25	2560	70	0.53		0.61	0.19	0.75	6780			1	7.4	
Data	21	21	21	21	21	21	21	21	21	21	4	4	4	30	21	0	0	21	21

Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):
 1. 06/11/08 sample is grab not composite. Sampler error and was corrected. 2. Collections system overflow occurred 06/04/08. An overflow report was faxed. 3. Collections system overflow occurred 06/10/08. An overflow report was faxed.

**Monthly Report of Operation
Vertical Loop Reactor
Wastewater Treatment Plant**

(SIGNATURE OF CERTIFIED OPERATOR)

(DATE)

Name of Facility: Clay Township Regional Waste District
 Permit Number: IN0055760
 For Month Of: June
 Year: 2008

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR
AUTHORIZED AGENT)

(DATE)

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Day Of Month	FINAL EFFLUENT																
	Flow		Dissolved Oxygen - mg/l	Phosphorus - mg/l	BOD				Total Suspended Solids				Ammonia				
	Effluent Flow Rate (MGD)	Effluent Flow Weekly Average			CBOD5 - mg/l	CBOD5 - mg/l Weekly Average	CBOD5 - lbs	CBOD5 - lbs/day Weekly Average	Susp. Solids - mg/l	Susp. Solids - mg/l Weekly Average	Susp. Solids - lbs	Susp. Solids - lbs/day Weekly Average	Ammonia - mg/l	Ammonia - mg/l Weekly Average	Ammonia - lbs	Ammonia - lbs/day Weekly Average	
1	2.525																
2	2.401		7.71	0.57	3.4		68.124		7.3	146.27		0.1		2.0036			
3	3.028		8.27	0.47	1.37		34.618		3	75.806		0.1		2.5269			
4	4.288		8.03	0.55	1.94		69.42		4.4	157.45		0.319		11.415			
5	2.657		7.77	0.84	1.39		30.82		3	66.518		0.1		2.2173			
6	2.813		7.91	1	1.41		33.099		3.5	82.161		0.1		2.3474			
7	3.338	3.00714				1.902		47.216		4.24	105.64		0.1438		4.102		
8	2.556																
9	3.031		7.76	1.77	2.42		61.211		4.9	123.94		0.1		2.5294			
10	3.415		7.94	1.15	1.38		39.327		4	113.99		0.1		2.8498			
11	2.512		7.98	1.24	1.3		27.251		1.9	39.829		0.1		2.0963			
12	2.397		7.88	1.27	0.86		17.203		3.9	78.012		0.1		2.0003			
13	2.982		7.72	1.81	2.2		54.747		3.5	87.097		0.1		2.4885			
14	2.559	2.77886				1.632		39.948		3.64	88.574		0.1		2.3928		
15	2.353																
16	2.402		7.77	1.08	3.76		75.368		5.9	118.26		0.1		2.0045			
17	2.453		8.04	0.99	1.98		40.531		4	81.881		0.1		2.047			
18	2.542		7.94	1.13	1.65		35.001		4	84.852		0.17		3.6062			
19	2.441		8.45	0.9	2.15		43.796		6.1	124.26		0.1		2.037			
20	2.574		7.85	0.73	1.78		38.234		4	85.92		0.1		2.148			
21	2.503	2.46686				2.264		46.586		4.8	99.035		0.114		2.3685		
22	2.582																
23	2.521		7.71	0.45	3.09		65.007		6.5	136.75		3.18		66.9			
24	2.597		7.96	0.47	2.63		56.997		5.9	127.86		4.55		98.607			
25	2.511		8.32	0.25	2.46		51.548		5.4	113.15		2.06		43.166			
26	2.533		7.9	0.25	2.58		54.536		5.3	112.03		0.87		18.39			
27	2.462		8.21	0.23	1.72		35.338		3.7	76.018		0.36		7.3963			
28	2.875	2.583		0.24		2.496		52.685		5.36	113.16	0.16	1.8633	3.8387	39.716		
29	2.716																
30	2.48		7.62	0.41	3.04		62.915		8.1	167.63		0.74		15.315			
Avg	2.70157		7.94	0.8091	2.1195		47.385		4.681	104.75		0.6231		13.542			
Max	4.288	3.00714	8.45	1.81	3.76	2.496	75.368	52.685	8.1	5.36	167.63	113.16	4.55	1.8633	98.607	39.716	
Min	2.353	2.46686	7.62	0.23	0.86	1.632	17.203	39.948	1.9	3.64	39.829	88.574	0.1	0.1	2.0003	2.3685	
Data	30	4	21	22	21	4	21	4	21	4	21	4	22	4	22	4	0

MONTHLY REMOVAL SUMMARY					Total Monthly Flow:	
	BOD5	S.S.	Ammonia	Phosphorus	(million gallons)	81.047
Percent Removal	98	97	97	83.9		
Phosphorus limit would be 1 mg/l. (compliance achieved)					Percent Capacity (actual flow/design) 106%	

**Monthly Report of Operation
Vertical Loop Reactor
Wastewater Treatment Plant**

Name of Facility: Clay Township Regi
Permit Number: IN0055760
For Month Of: June
Year: 2008

(SIGNATURE OF CERTIFIED OPERATOR) (Date)

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT) (Date)

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Day Of Month	SLUDGE TO DIGESTER		DIGESTER OPERATION											
	Waste Act. Sludge Gal. x 1000	Anaerobic Only			Supernatant Withdrawn hrs. or Gal. x 1000	Supernatant BOD5 mg/l or NH3-N mg/l	Total Solids in Incoming Sludge - %	Total Solids in Digested Sludge - %	Volatile Solids in Incoming Sludge - %	Volatile Solids in Digested Sludge - %	Digested Sludge Withdrawn hrs. or Gal. x 1000			
		pH	Gas Production Cubic Ft. x 1000	Temperature - F										
1					46									
2	41						1.3	17.5	73	76	36			
3	40						1.3	17.6	74	76	36			
4	42						1	16.5	72	75	36			
5	43						1.1	17.9	72	70	35			
6							1.2		71					
7					98									
8					75									
9	41						1.2	17.6	72	74	35			
10	47						0.9	17.3	70	74	18			
11	32						1.1	16.3	71	74	20			
12	42						1.1	18.4	71	73	7			
13	41										4			
14					53									
15					63									
16	40						1.1	18.7	71	73	35			
17	35						1.1	18.5	71	73	35			
18	37						1.2	17.2	75	72	34			
19	39						1.1		71					
20	36						1		72					
21					94									
22					33									
23	40						0.9	17.5	71	72	35			
24	41						0.7	17.6	70	71	36			
25	40						1.1	17.9	73	71	36			
26	45						1.1		73					
27	48						1.1		73					
28					73									
29					74									
30	41						1.1	17.9	74	72	35			
Avg.	40.55				67.667		1.085	17.627	72	73.067	29.563			
Max.	48				98		1.3	18.7	75	76	36			
Min.	32				33		0.7	16.3	70	70	4			
Data	0	20	0	0	0	9	0	20	15	20	15	16	0	0

Send completed forms by the 28th of the month to:
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER QUALITY, DATA MANAGEMENT SECTION
P.O. BOX 6015
INDIANAPOLIS, INDIANA 46206-6015

**Monthly Report of Operation
Vertical Loop Reactor
Wastewater Treatment Plant**

Name of Facility	Permit Number	For Month Of:	Year
Clay Township Regional Waste District	IN0055760	June	2008

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State Form 10829 (R/1-2005)

(SIGNATURE OF CERTIFIED OPERATOR)	(DATE)
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)	(DATE)

Day Of Month	Temperature in Reactors	ORBAL #1			ORBAL #3				TOTAL RETURN SLUDGE				RETURN SLUDGE		Flow Volume				
		ORP mV	Dissolved Oxygen - mg/l	OUR mg/l/min	Dissolved Oxygen - mg/l	Settleable Solids % in 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	OUR mg/l/min	Volume - MG				Volume - MG	Susp. Solids - mg/l	Orbal Influent Flow - MGD			
1									1.9779				1.096		1.158				
2	17.8	-278	0.51	2.2	35	2420	145		1.698				0.948	3200	1.067				
3	18.3	-284	0.46	1.3	43	3760	114		1.965				0.975	5960	1.265				
4	18	-207	0.59	4.3	33	3460	95		2.286				0.906	6420	1.155				
5	18.5	-290	0.53	3.3	35	5460	64		1.803				0.943	5680	0.898				
6	19.4	-307	0.46	1.8	38	3680	103	0.3	1.85				0.95	5400	1.01				
7									2.021				0.841		1.145				
8									1.756				0.856		0.96				
9	19.4	-318	0.46	2.5	32	4760	67		1.875				0.875	2580	1.197				
10	18.9	-309	1.34	5.3	30	4220	71		1.98				0.9	7280	1.119				
11	18.7	-257	0.46	2.9	30	6180	49		1.702				0.862	4020	1.013				
12	18.8	-299	0.46	3.8	34	4300	79		1.666				0.886	3020	0.953				
13	19.5	-289	0.45	3.5	33	3480	95	0.2	1.924				0.984	1800	1.026				
14									1.833				0.953		0.927				
15									1.703				0.883		0.847				
16	18.9	-280	0.48	3.2	39	3620	108		1.678				0.898	4820	0.847				
17	18.8	-279	0.48	2.8	39	3400	115		1.817				1.007	3800	0.927				
18	18.5	-280	0.46	3.6	33	5520	60		1.849				0.999	2340	0.992				
19	18.4	-292	0.49	3.1	37	3560	104		1.821				0.991	3980	0.982				
20	18.9	-298	0.47	2.7	34	4500	76	0.2	1.882				1.012	3080	1.051				
21									1.641				0.791		0.943				
22									1.508				0.638		0.912				
23	18.7	-303	0.14	0.2	38	3520	108		1.38				0.57	3960	0.907				
24	18.8	-301	0.14	0.2	31	3240	96		1.732				0.902	4960	1.032				
25	19.5	-300	0.13	0.2	37	4880	76		1.576				0.786	3680	1.083				
26	20.1	-178	0.13	0.2	41	3360	122		1.842				1.042	2780	1.175				
27	20	-237	0.15	0.3	41	3500	117	0.4	1.646				0.896	4530	1.102				
28									1.901				0.951		1.24				
29									1.91				0.97		1.23				
30	19.3	-294	0.13	0.4	44	3920	112		1.741				0.931	5180	1.223				
Avg.	18.914		0	2.2724	36	4035	94	0.2825	2				1	4212.9	1.0462				
Max.	20.1		1.34	5.28	44	6180	145	0.39	2.286				1.096	7280	1.265				
Min.	17.8		0.13	0.15	30	2420	49	0.22	1.38				0.57	1800	0.847				
Data	21	21	21	0	21	21	21	21	4	30	0	0	0	30	21	30	0	0	0