

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

Name of Facility: Clay Township Regional Waste D
Permit Number: IN 0055760
For Month Of: April
Year: 2007

Page 2 of 5 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	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	0	#2 Reactor OUR mg/l/min	Volume - MG	Susp. Solids - mg/l	Residual Chlorine - Contact Tank	Residual Chlorine - Final	E. Coil - colony/100 ml	pH
1								3.2					1.547						
2	14	50			0.2	45		3.2	-319				1.461					7.5	
3	14	43	3460	124	0.2	45	3620	124	3.6	-301			1.675	10440			53	7.6	
4	13	44	3480	126	0.2	40	3360	119	3.3	-131			1.569	9820			35.5	7.7	
5	12	41	3200	128	0.2	45	3080	146	6.4	-78			1.577	9040			28.6	7.6	
6	12	40			0.3	37			6.9	-39	0.34	#####	0.2	1.608				7.7	
7									6.4					1.473					
8									5.9					1.583					
9	12	44			0.2	46			5.1	-301			1.484					7.6	
10	13	31	3340	93	0.2	38	3080	123	4.0	-247			1.475	8960			95.9	7.6	
11	13	39	2940	133	0.2	37	3060	121	4.2	-217			1.384	10040			84.2	7.6	
12	13	36	2860	126	0.2	40	2920	137	3.5	-205			1.534	8260			2	7.6	
13	13	45			0.2	46			4.1	-207	0.55	#####	0.3	1.554				7.6	
14									4.0					1.547					
15									3.3					1.526					
16	13	52			0.2	53			3.8	-318			1.443					7.6	
17	13	60	3560	169	0.3	63	3640	173	4.0	31			1.404	9740			1	7.6	
18	14	45	3160	142	0.2	47	3200	147	4.1	-295			1.503	9000			1	7.6	
19	14	52	3320	157	0.2	45	3280	137	3.0	-314			1.416	8240			1.5	7.6	
20	14	49			0.2	43			2.8	-316	0.73	#####	0.3	1.403				7.5	
21									3.0					1.452					
22									3.2					1.415					
23	15	70			0.2	64			3.1	-107			1.356					7.6	
24	15	52	3840	135	0.2	51	3700	138	2.4	-393			1.354	9480			1	7.6	
25	15	51	3640	140	0.2	51	3640	140	2.8	-397			1.368	9600			27.2	7.6	
26	15	49	5160	95	0.2	50	3580	140	3.0	-409	0.6	#####	0.4	1.401	8360			25.7	7.5
27	15	52			0.2	52			2.5	-397			1.591					7.5	
28									2.3				1.364						
29									2.6				1.428						
30	15	70			0.2	68			2.5	-439			1.302					7.6	
Avg.	13.7	48	3497	131	0.21	48	3347	137	3.739		1	0.29	1	9248.3			10		
Max.	15	70	5160	169	0.3	68	3700	173	6.9		0.73	0.4	1.675	10440			95.9	7.7	
Min.	12	31	2860	93	0.2	37	2920	119	2.3		0.34	0.18	1.302	8240			1	7.5	
Data	21	21	12	12	21	21	12	12	30	21	4	4	4	30	12	0	0	12	21

Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):

1. Influent & Effluent flow meters calibrated on 04/10/07. 2. Our old RAS flow meter was reset on 04/10/07. (meter was repositioned.)

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

(SIGNATURE OF CERTIFIED OPERATOR)

(DATE)

Name of Facility Clay Township Regional Waste Dist.	Permit Number IN 0055760	For Month Of: April	Year 2007
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(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT) (DATE)

Page 3 of 5 State Form 10829 (R/1-2005)

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	1.684		11.43													
2	1.485		11.3													
3	1.908		11.49	0.5	2.69		42.831		4.8	76.427		0.1		1.5922		
4	1.633		10	0.48	1.83		24.938		4.2	57.235		0.1		1.3627		
5	1.573		9.6	0.51	1.67		21.922		3.9	51.194		0.1		1.3127		
6	1.515		10.08													
7	1.474	1.61029	11.36			2.0633		29.897		4.3	61.619		0.1		1.4225	
8	1.54		12.24													
9	1.484		12.22													
10	1.564		12.09	0.7	2.46		32.107		4.4	57.427		0.1		1.3052		
11	1.61		10.44	0.61	2.17		29.155		3.4	45.681		0.1		1.3435		
12	1.884		8.91	0.6	1.96		30.815		3.4	53.455		0.1		1.5722		
13	1.75		9													
14	1.98	1.68743	10.84			2.1967		30.692		3.7333	52.187		0.1		1.407	
15	1.854		11.71													
16	1.717		11.77													
17	1.596		11.79	0.39	2.75		36.626		3.2	42.62		0.2		2.6637		
18	1.726		10.14	0.44	2.07		29.815		4	57.614		0.25		3.6009		
19	1.672		8.61	0.49	2.59		36.138		3.3	46.044		0.31		4.3254		
20	1.595		8.61													
21	1.635	1.685	10.45			2.47		34.193		3.5	48.759		0.2533		3.53	
22	1.62		11.44													
23	1.63		11.29													
24	1.551		11.21	0.27	3.03		39.218		3.8	49.184		1.13		14.626		
25	1.696		9.71	0.28	1.84		26.042		3.4	48.121		1.19		16.842		
26	1.712		8.53	0.26	1.9		27.145		3.8	54.289		0.94		13.429		
27	1.977		8.41													
28	1.652	1.69114	9.87			2.2567		30.801		3.6667	50.531		1.0867		14.966	
29	1.635		11.26													
30	1.546		11.19													
Avg	1.66327		10.566	0.4608	2.2467		31.396		3.8	53.274		0.385		5.3313		
Max	1.98	1.69114	12.24	0.7	3.03	2.47	42.831	34.193	4.8	4.3	76.427	61.619	1.19	1.0867	16.842	14.966
Min	1.474	1.61029	8.41	0.26	1.67	2.0633	21.922	29.897	3.2	3.5	42.62	48.759	0.1	0.1	1.3052	1.407
Data	30	4	30	12	12	4	12	4	12	4	12	4	12	4	12	4

MONTHLY REMOVAL SUMMARY					Total Monthly Flow:
	BOD5	S.S.	Ammonia	Phosphorus	(million gallons) 49.898
Percent Removal	99	98	98	90.7	
Phosphorus limit would be 80 % removal. (compliance achieved)					Percent Capacity (actual flow/design) 65%

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

(SIGNATURE OF CERTIFIED OPERATOR)

(Date)

Name of Facility: Clay Township Regi
Permit Number: IN 0055760
For Month Of: April
Year: 2007

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR
AUTHORIZED AGENT)

(Date)

Page 4 of 5 State Form 10829 (R/1-2005)

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		
1														
2	34							1.2		73		93		
3	46							1.1		72		63		
4	47							1.1		71				
5	49							1		72				
6														
7						83								
8														
9	45							1		71				
10	53							1		72				
11	47											6		
12												126		
13						73						138		
14														
15														
16	46							1		73		6		
17	52							1		72				
18								0.9		78				
19	40							1		73				
20														
21						87								
22														
23	47							1.2		73				
24	47							1		73				
25	46							1		73				
26	46							1		73				
27						58								
28						75								
29								1.1		75				
30	46													
Avg.	46.067					75.2		1.04		72.933		72		
Max.	53					87		1.2		78		138		
Min.	34					58		0.9		71		6		
Data	0	15	0	0	0	5	0	15	0	15	0	6	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**

(SIGNATURE OF CERTIFIED OPERATOR)

Name of Facility: Clay Township Regional Waste Dist. Permit Number: In 005760 For Month Of: April Year: 2007

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)

Page 5 of 5 State Form 10829 (R/1-2005)

Day Of Month	Temperature in Reactors	Orbal #1			Orbal #3					RETURN SLUDGE				Flow Vol.			
		ORP mV	Dissolved Oxygen - mg/L	OUR gm/L/Min	Settleable Solids % in 30 Minutes	Susp. Solids - mg/L	Sludge Vol. Index - mg/gm	Dissolved Oxygen - mg/L	OUR gm/L/min	Volume - MG	Susp. Solids - mg/L	Orbal Influent Flow - MGD					
1													0.88		0.779		
2	14		0.1		42			1.4					0.92		0.713		
3	14		0.1		47	3360	140	1.4					0.929	2960	0.891		
4	13		0.1		40	3160	127	3.0					0.924	1840	0.846		
5	11		0.1		44	3060	144	5.9					0.965	4840	0.839		
6	11		0.1		40			6.3	0.12				0.954		0.708		
7													0.847		0.66		
8													0.933		0.626		
9	11		0.1		43								0.906		0.602		
10	12		0.1		40	3440	116						0.855	4720	0.679		
11	12		0.1		43	2820	152						0.783	4720	0.681		
12	12		0.1		40	2820	142						0.821	6700	0.763		
13	12		0.1		45				0.19				0.83		0.846		
14													0.77		0.917		
15													0.769		0.884		
16	12		0.1		52								0.804		0.93		
17	13		0.1		57	3300	173						0.806	3260	0.927		
18	14		0.1		52	3200	163						0.82	5480	0.905		
19	13		0.1		50	3260	153						0.808	5860	0.784		
20	13		0.1		51				0.42				0.764		0.688		
21													0.781		0.72		
22													0.783		0.65		
23	15		0.1		65								0.784		0.626		
24	15		0.1		58	3700	157						0.79	4160	0.641		
25	16		0.1		52	3320	157						0.783	5660	0.709		
26	15		0.1		52	3180	164		0.61				0.807	4460	0.789		
27	15		0.1		82								0.866		0.884		
28													0.746		0.75		
29													0.798		0.793		
30	16		0.1		72								0.768		0.749		
Avg.	13.286		0		50.81	3218	149	4	0.335				0.83	4555	0.766		
Max.	16		0.1		82	3700	172.73	6	0.61				0.965	6700	0.93		
Min.	11		0.1		40	2820	116.28	1	0.12				0.746	1840	0.602		
Data	21	0	21	0	21	12	12	5	4	0	0	0	0	30	12	30	0