

**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: July
 Year: 2007

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(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//min	0	#2 Reactor OUR mg//min	Volume - MG	Susp. Solids - mg/l	Residual Chlorine - Contact Tank	Residual Chlorine - Final	E. Coll - colony/100 ml	pH
1													1.33						
2	19.5	58			0.1	56			2.2	-164			1.384					7.6	
3	19.5	59	3840	154	0.1	53	3660	145	1.9	-116			1.397	10500			5.2	7.6	
4	19.8	58	4020	144	0.1	56	3880	144	2.3	-111			1.269	11000			1	7.6	
5	20	58	3680	158	0.1	52	3640	143	2.5	-122			1.375	10180			4.1	7.6	
6	20.2	53			0.1	52			2.6	-118			1.389					7.5	
7													1.44						
8													1.43						
9	20.6	61			0.1	62			1.9	-186			1.388					7.6	
10	20.9	59	1680	351	0.1	57	3600	158	2.0	-133			1.35	9560			5.2	7.5	
11	21	53	3040	174	0.1	54	2860	189	2.1	-113			1.403	8080			4.1	7.5	
12	21	52	3240	160	0.1	51	3400	150	2.8	-101	0.84	#####	0.3	1.451	8680			3.2	7.5
13	20.4	56			0.1	55			2.9	-83			1.504					7.5	
14													1.514						
15													1.289						
16	20	71			0.1	67			3.2	-207			1.362					7.6	
17	21	64	3800	168	0.1	61	3600	169	2.4	-146			1.349	10860			3.1	7.5	
18	21	61	3480	175	0.1	60	3500	171	3.0	-117			1.403	10180			2	7.6	
19	21	59	3360	176	0.1	55	3480	158	3.1	-106			1.454	9180			2.1	7.5	
20	21	66			0.1	63			1.8	-104			1.497					7.5	
21													1.444						
22													1.422						
23	20	75			0.1	69			3.1	-168			1.371					7.6	
24	20	70	3760	186	0.1	71	3900	182	2.3	-131			1.37	10460			1	7.6	
25	21	65	3500	186	0.1	63	3620	174	2.4	-111			1.4	9820			5.2	7.6	
26	21	60	3820	157	0.1	60	3660	164	1.7	-97	0.95	#####	0.3	1.469	9500			3.1	7.6
27	21	65			0.1	62			2.4	-104			1.759					7.6	
28													1.442						
29													1.279						
30	21	71			0.1	70			3.5	-197			1.348					7.6	
31	21	73	2660	274	0.1	69	4000	173	2.3	-145			1.348	9980			1	7.6	
Avg.	20.5	62	3375	190	0.11	60	3600	163	2.475		1	0.275	1	9844.6			3		
Max.	21	75	4020	351	0.12	71	4000	189	3.5		0.95	0.29	1.759	11000			5.2	7.6	
Min.	19.5	52	1680	144	0.1	51	2860	143	1.7		0.84	0.26	1.269	8080			1	7.5	
Data	22	22	13	13	22	22	13	13	22	22	2	2	2	31	13	0	0	13	22

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

**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: July	Year 2007
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(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	1.27																
2	1.346		9.37														
3	1.33		8.58	0.48	3.35		37.181		6	66.593		0.11		1.2209			
4	1.306		8.33	0.39	2.13		23.214		3.4	37.055		0.11		1.1988			
5	1.387		8.22	0.33	1.8		20.834		2.6	30.094		0.1		1.1575			
6	1.384		8.73														
7	1.377	1.34286					2.4267			4		44.581		0.1067		1.1924	
8	1.407																
9	1.38		8.94														
10	1.352		8.32	0.41	3.68		41.519		8.2	92.516		0.12		1.3539			
11	1.418		8.4	0.34	2.29		27.098		4	47.333		0.16		1.8933			
12	1.448		7.71	0.33	2.12		25.617		3.7	44.709		0.1		1.2084			
13	1.551		8.64														
14	1.591	1.44957					2.6967			5.3		61.519		0.1267		1.4852	
15	1.392																
16	1.333		8.96														
17	1.532		8.47	0.4	3.69		47.175		7.4	94.606		0.32		4.0911			
18	1.564		8.7	0.29	2.26		29.497		3.6	46.986		0.21		2.7408			
19	1.654		8.11	0.31	1.82		25.121		2.9	40.028		0.2		2.7605			
20	1.453		8.72														
21	1.307	1.46214					2.59			33.931		4.6333		60.54		0.2433	3.1975
22	1.301																
23	1.294		9.06														
24	1.301		8.45	0.51	4.5		48.856		8.2	89.026		0.15		1.6285			
25	1.362		8.13	0.43	3.28		37.28		3.4	38.644		0.1		1.1366			
26	1.496		8.22	0.49	2.03		25.343		3.3	41.198		0.21		2.6217			
27	1.883		8.38														
28	1.451	1.44114					3.27			37.16		4.9667		56.289		0.1533	1.7956
29	1.307																
30	1.361		8.82														
31	1.31		8.08	0.79	3.55		38.808		6.2	67.778		0.33		3.6075			
Avg	1.41445		8.5155	0.4231	2.8077		32.888		4.8385	56.659		0.1708		2.0477			
Max	1.883	1.46214	9.37	0.79	4.5	3.27	48.856	37.16	8.2	5.3	94.606	61.519	0.33	0.2433	4.0911	3.1975	
Min	1.27	1.34286	7.71	0.29	1.8	2.4267	20.834	27.076	2.6	4	30.094	44.581	0.1	0.1067	1.1366	1.1924	
Data	31	4	22	13	13	4	13	4	13	4	13	4	13	4	13	4	0

MONTHLY REMOVAL SUMMARY					Total Monthly Flow:
	BOD5	S.S.	Ammonia	Phosphorus	(million gallons) 43.848
Percent Removal	99	98	99	93.2	
Phosphorus limit would be 1 mg/l. (compliance achieved)					Percent Capacity (actual flow/design) 55%

**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: July
Year: 2007

(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	pH	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		
			Gas Production Cubic Ft. x 1000	Temperature - F										
1												131		
2	48						1.3		74					
3												85		
4	50						1.3		74					
5	37						1.2		74					
6	40				79		1.1		73					
7														
8														
9	50						1.1		73					
10	49						1.1		73					
11	40						1.1		72					
12												30		
13					51									
14					49									
15														
16	51						1.2		74					
17	49						1.2		74					
18	44						1.2		74					
19												19		
20					56							131		
21					11									
22														
23	51						1.2		74					
24	51						1.1		74					
25	39						1.1		74					
26												36		
27					59									
28					34									
29														
30	48						1.2		73					
31	52						1.3		73					
Avg.	46.6				48.429		1.18		73.533			72		
Max.	52				79		1.3		74			131		
Min.	37				11		1.1		72			19		
Data	0	15	0	0	0	7	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: July Year: 2007

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)

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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													0.789		0.825		
2	19.7	21	0.11		58			1.0					0.852		0.905		
3	19.8	20	0.12		53	3640	146	1.2					0.83	2440	0.871		
4	20.3		0.11		56	3700	151	1.0					0.793	4100	0.812		
5	20.8		0.11		52	3480	149	1.2					0.848	4640	0.876		
6	20.9		0.12		54			1.2					0.847		0.945		
7													0.847		0.956		
8													0.835		0.929		
9	21.5	-274	0.12		68			1.0					0.864		0.925		
10	21.8	-14	0.11		57	3420	167	1.0					0.834	2560	0.899		
11	22	-143	0.12		52	3180	164	1.0					0.855	1300	0.888		
12	20.9	-70	0.12		46	3280	140	1.1	0.41				0.858	3280	0.888		
13	20.7	-230	0.11		55			1.1					0.845		0.956		
14													0.849		0.982		
15													0.724		0.813		
16	20.8	-73	0.12		71			1.0					0.824		0.897		
17	21.2	41	0.11		65	3540	184	1.1					0.797	5760	0.878		
18	21	-250	0.11		61	3360	182	1.0					0.83	3240	0.933		
19	21.6	72	0.11		57	3140	182	1.0					0.806	5100	0.941		
20	20.8	26	0.11		63			1.0					0.828		0.975		
21													0.822		0.939		
22													0.805		0.931		
23	20.5		0.11		70			1.1					0.808		0.931		
24	20.5		0.11		70	3600	194	1.0					0.813	3680	0.92		
25	20.7		0.11		67	3540	189	1.0					0.811	5400	0.961		
26	21.1		0.11		58	3440	169	1.0	0.76				0.818	6860	0.968		
27	21.4		0.11		62			1.0					0.951		1.097		
28													0.801		0.9		
29													0.707		0.808		
30	21.4	-29	0.12		70			1.0					0.802		0.889		
31	21.5	-149	0.11		70	3480	201	1.0					0.82	6680	0.893		
Avg.	20.95		0		60.682	3446	171	1	0.585				0.82	4233.8	0.9139		
Max.	22		0.12		71	3700	201.15	1	0.76				0.951	6860	1.097		
Min.	19.7		0.11		46	3140	140.24	1	0.41				0.707	1300	0.808		
Data	22	14	22	0	22	13	13	22	2	0	0	0	0	31	13	31	0