

**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: February
 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/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	12	55	3860	142	0.1	63	3720	169	3.1	-278			1.275	9640				7.6	
2	13	67			0.1	65			2.8	-403			1.346					7.6	
3									2.5				1.149						
4									3.0				1.319						
5	11	71			0.1	74			3.4	-355			1.257					7.7	
6	11	65	3940	165	0.1	70	3800	184	3.2	-325			1.311	10200				7.6	
7	12	56	3780	148	0.1	56	3860	145	2.5	-337			1.261	9720				7.6	
8	12	57	3780	151	0.1	66	3840	172	2.5	-337			1.335	9760				7.6	
9	11	53			0.1	63			2.4	-301			1.38					7.6	
10									2.8				1.36						
11									2.8				1.394						
12	12	66			0.1	67			2.1	-416			1.289					7.6	
13	12	66	3880	170	0.1	73	3820	191	2.1	-417			1.398	10980				7.6	
14	11	72	3840	188	0.1	68	4120	165	2.4	-391			1.352	11320				7.6	
15	12	75	4380	171	0.1	70	4240	165	2.2	-415			1.328	7480				7.6	
16	11	73			0.1	73			2.3	-399			1.391					7.5	
17									2.2				1.497						
18									2.2				1.293						
19	12	77			0.1	81			2.2	-414			1.376					7.6	
20	13	77	4560	169	0.1	79	4260	185	2.0	-439			1.356	10480				7.6	
21	13	76	4380	174	0.1	74	4420	167	2.0	-423			1.382	10860				7.5	
22	13	64	4420	145	0.1	60	4020	149	1.8	-417			1.388	10500				7.6	
23	12	65			0.1	71			2.5	-379			1.44					7.5	
24									2.3				1.586						
25									2.6				1.436						
26	12	51			0.1	65			3.6	-265			1.655					7.6	
27	12	63	3500	180	0.1	62	3780	164	3.1	-281			1.609	7380				7.6	
28	12	55	3720	148	0.1	57	3560	160	3.0	-248			1.664	9920				7.5	
Avg.	12	65	4003	163	0.1	68	3953	168	2.56				1	9853.3					
Max.	13	77	4560	188	0.1	81	4420	191	3.6				1.664	11320				7.7	
Min.	11	51	3500	142	0.1	56	3560	145	1.8				1.149	7380				7.5	
Data	20	20	12	12	20	20	12	12	28	20	0	0	0	28	12	0	0	0	20

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

1. Phosphorus was over 1.00 mg/L on three occasions, due to one of our sludge holding tanks were down. We went ten days w/o wasting. There was no monthly phosphorus violation. 2. Sludge holding tank #1 discharge was clogged. We could not waste until we repaired the pipe. Once unclogged, we returned to our normal wasting routine.

**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: February Year: 2007

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

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	1.506		8.06	0.67	2.75		34.561		4.1		51.527		0.1		1.2568	
2	1.598		8.29													
3	1.429		9.84													
4	1.626		10.57													
5	1.584		10.81													
6	1.583		10.98	0.83	3.11		41.084		6.4		84.545		0.1		1.321	
7	1.575		9.01	1.05	2.81		36.933		6		78.86		0.1		1.3143	
8	1.632		8.34	1.15	2.95		40.176		5.9		80.352		0.1		1.3619	
9	1.58		8.29													
10	1.637	1.60243	9.93			2.9567		39.398		6.1		81.252		0.1		1.3324
11	1.644		10.66													
12	1.523		10.58													
13	1.772		10.33	1.09	2.6		38.447		5.4		79.852		0.1		1.4787	
14	1.662		10.37	0.93	2.98		41.331		5.4		74.895		0.1		1.3869	
15	1.684		9.1	0.83	4.43		62.255		5.7		80.102		0.1		1.4053	
16	1.701		8.53													
17	1.747	1.67614	9.86			3.3367		47.344		5.5		78.283		0.1		1.4237
18	1.565		10.35													
19	1.689		10.45													
20	1.798		10.27	0.52	3.67		55.066		6.4		96.028		0.1		1.5004	
21	1.841		9.02	0.44	2.59		39.791		4.4		67.598		0.1		1.5363	
22	1.937		8.37	0.41	2.16		34.915		5.8		93.753		0.1		1.6164	
23	1.905		8.54													
24	2.697	1.91886	9.73			2.8067		43.257		5.5333		85.793		0.1		1.5511
25	2.035		10.3													
26	2.209		10.14													
27	2.075		10.34	0.31	7.42		128.48		4.4		76.19		0.1		1.7316	
28	2.139	2.1145	8.83	0.83	2.39	4.905	42.661	85.573	3.6	4	64.26	70.225	0.1	0.1	1.785	1.7583
Avg	1.76332		9.63893	0.755	3.3217		49.642		5.2917		77.33		0.1		1.4746	
Max	2.697	2.1145	10.98	1.15	7.42	4.905	128.48	85.573	6.4	6.1	96.028	85.793	0.1	0.1	1.785	1.7583
Min	1.429	1.60243	8.06	0.31	2.16	2.8067	34.561	39.398	3.6	4	51.527	70.225	0.1	0.1	1.2568	1.3324
Data	28	4	28	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)	49.373
Percent Removal	98	98	100	88.9		
	Phosphorus limit would be 1 mg/l. (compliance achieved)				Percent Capacity	69%
					(actual flow/design)	

