

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

Name of Facility: Clay Township Regional Waste D
Permit Number: IN0055760
For Month Of: February
Year: 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	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	75	4080	184	0.1	72	4080	176	1.8	18			0.58	11160					
2													0.65						
3											0.34	0.1	0.72						
4	13	75	4560	164	0.1	77	4620	167	2.8	-86			0.83	11900					
5	14	60	4360	138	0.1	72	4240	170	2.0	-313			1.17	9940					
6	12	52	3580	145	0.2	56	3520	159	7.2	-96			0.88	9960					
7	12	67	3840	174	0.1	66	5280	125	6.4	-140			0.71	11080					
8	12	66	3720	177	0.1	67	3640	184	4.7	-244			0.73	10380					
9													0.71						
10											0.34	0.1	0.71						
11	11	73	3900	187	0.1	72	4120	175	3.8	-300			0.56	13300					
12	11	76	4660	163	0.1	72	3960	182	3.4	58			0.53	11120					
13	11	72	3940	183	0.1	66	3900	169	3.6	74			0.55	11000					
14	12	69	3900	177	0.2	68	3920	173	3.6	74			0.59	10520					
15	12	66	4140	159	0.1	68	4040	168	3.4	49			0.61	11180					
16											0.52	0.1	0.63						
17													0.69						
18	12	65	3920	166	0.1	69	4060	170	3.3	28			0.55	12560					
19	11	74	4100	180	0.1	73	4040	181	3.8	-267			0.56	10740					
20	12	65	3820	170	0.1	68	3800	179	4.1	-251			0.58	10140					
21	11	62	3680	168	0.1	68	3560	191	4.4	-250			0.59	10040					
22	11	64	3840	167	0.1	68	3800	179	4.1	-258			0.67	10220					
23													0.64						
24											0.5	0.3	0.57						
25	12	73	4360	167	0.1	75	4160	180	1.6	-336			0.58	11200					
26	12	68	3980	171	0.1	68	3760	181	1.4	-26			0.64	10860					
27	11	65	3900	167	0.2	65	3920	166	3.7	70			0.62	11180					
28	11	65	3900	167	0.3	65	4040	161	4.3	89			0.67	10500					
29	12	66	3840	172	0.2	66	3760	176	3.1	71			0.76	10700					
Avg.	11.8	68	4001	169	0.129	69	4010	172	3.642		0	0.14	1	10937					
Max.	14	76	4660	187	0.3	77	5280	191	7.2		0.52	0.26	1.17	13300					
Min.	11	52	3580	138	0.1	56	3520	125	1.4		0.34	0.06	0.53	9940					
Data	21	21	21	21	21	21	21	21	21	21	4	0	4	29	21	0	0	0	0

Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):
 1. Collections system overflow occurred 02/06/08. An overflow report was faxed. 2. Collections system overflow occurred 02/07/08. 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: February
Year: 2008

(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	1.517		7.62	0.38	3.01		38.105		8.4		106.34		0.82		10.381	
2	1.701															
3	1.881															
4	2.191		7.9	0.28	1.97		36.019		4.9		89.591		0.51		9.3248	
5	3.492		8.06	0.28	1.54		44.877		5.4		157.36		0.1		2.9141	
6	2.553		8.14	0.31	2.3		49.001		7.6		161.92		0.1		2.1305	
7	1.924		8.57	0.19	0.97		15.574		4		64.223		0.1		1.6056	
8	1.862		8.24	0.22	1.56		24.24		3.7		57.492		0.1		1.5538	
9	1.81	2.24471				1.668	33.942		5.12		106.12		0.182		3.5058	
10	1.753															
11	1.488		8.14	0.24	1.95		24.214		5.5		68.295		0.1		1.2417	
12	1.459		7.92	0.21	1.94		23.62		5		60.877		0.1		1.2175	
13	1.518		8.77	0.18	1.66		21.028		4		50.671		0.1		1.2668	
14	1.456		8.4	0.18	1.8		21.871		3.2		38.881		0.1		1.215	
15	1.544		8.46	0.21	1.61		20.744		3.6		46.385		0.1		1.2885	
16	1.603	1.54586				1.792	22.295		4.26		53.022		0.1		1.2459	
17	1.776															
18	1.572		8.02	0.24	2.22		29.123		4.2		55.097		0.1		1.3118	
19	1.532		8.47	0.21	1.67		21.35		3.3		42.189		0.1		1.2785	
20	1.516		8.54	0.21	1.73		21.886		4.6		58.195		0.1		1.2651	
21	1.481		8.41	0.19	1.7		21.01		2.9		35.841		0.1		1.2359	
22	1.702		8.2	0.25	1.5		21.305		4		56.813		0.1		1.4203	
23	1.651	1.60429				1.764	22.935		3.8		49.627		0.1		1.3023	
24	1.426															
25	1.677		7.88	0.25	1.78		24.91		3.8		53.179		0.1		1.3995	
26	1.594		7.89	0.21	1.1		14.632		3.6		47.887		0.31		4.1236	
27	1.531		8.26	0.14	0.54		6.8991		1.3		16.609		0.3		3.8329	
28	1.498		8.55	0.17	1.06		13.251		3.3		41.253		0.1		1.2501	
29	1.687	1.60286	8.12	0.26	1.12	1.12	15.767	15.092	4.5	3.3	63.351	44.456	0.1	0.182	1.4078	2.4028
Avg	1.73776		8.21714	0.22905	1.6538		24.258		4.3238		65.354		0.1733		2.5078	
Max	3.492	2.24471	8.77	0.38	3.01	1.792	49.001	33.942	8.4	5.12	161.92	106.12	0.82	0.182	10.381	3.5058
Min	1.426	1.54586	7.62	0.14	0.54	1.12	6.8991	15.092	1.3	3.3	16.609	44.456	0.1	0.1	1.215	1.2459
Data	29	4	21	21	21	4	21	4	21	4	21	4	21	4	21	4

MONTHLY REMOVAL SUMMARY					Total Monthly Flow:	
	BOD5	S.S.	Ammonia	Phosphorus	(million gallons)	50.395
Percent Removal	99	99	99	96.4		
	Phosphorus limit would be 1 mg/l. (compliance act				Percent Capacity	68%
					(actual flow/design)	

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Vertical Loop Reactor
Wastewater Treatment Plant**

(SIGNATURE OF CERTIFIED OPERATOR)

(Date)

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Permit Number: IN0055760
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(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR
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(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					13									
2					33									
3					21									
4														
5	50						1.1	75						
6	52						1.1	74						
7	31						1.3	75						
8					65						74			
9					11									
10														
11	51						1.3	74						
12	50						1.3	75						
13	38						1.2	74						
14														
15					65									
16														
17														
18	52						1.2	75						
19	49						1.2	75						
20	27						1.1	74						
21														
22					32									
23					35									
24														
25	51						1.2	75						
26	51						1.2	75						
27	34						1.2	75						
28														
29					55									
Avg.	44.667				36.667		1.2	74.667			214			
Max.	52				65		1.3	75			354			
Min.	27				11		1.1	74			74			
Data	0	12	0	0	0	9	0	12	0	12	0	2	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

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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	11	-328	0.5		1.1	78	4000	195		1.01				0.426	3560	0.529				
2										1.29				0.639		0.785				
3									0.1	1.37				0.645		0.862				
4	12	-326	0.5		1.0	73	4100	178		1.48				0.646	6680	1.126				
5	14	-335	0.6		1.3	70	3940	178		1.9				0.729	7940	1.504				
6	12	-332	0.6		5.2	52	3300	158		1.51				0.628	9280	1.234				
7	11	-332	0.5		5.5	65	3560	183		1.67				0.96	5320	1.157				
8	11	-332	0.5		3.9	67	3580	187		1.49				0.763	5320	1.166				
9										1.48				0.773		1.162				
10									0.1	1.47				0.761		1.017				
11	9	-335	0.5		2.2	67	4080	164		1.27				0.716	5200	0.858				
12	9	-332	0.5		1.2	73	3960	184		1.19				0.667	4180	0.771				
13	10	-335	0.5		1.2	70	3940	178		1.22				0.665	3180	0.783				
14	10	-340	0.5		1.1	71	3840	185		1.26				0.67	5960	0.699				
15	11	-333	0.5		1.2	69	3920	176		1.22				0.615	3720	0.775				
16										0.1	1.24			0.62		0.754				
17										1.29				0.601		0.736				
18	11	-332	0.5		1.1	64	3900	164		1.15				0.596	10380	0.707				
19	9	-335	0.5		1.1	77	3800	203		1.19				0.63	4820	0.709				
20	10	-330	0.5		1.5	66	3700	178		1.22				0.641	6180	0.699				
21	9	-326	0.5		1.9	72	3480	207		1.22				0.631	2640	0.675				
22	9	-320	0.5		1.4	70	3680	190		1.38				0.708	4960	0.803				
23										1.28				0.638		0.76				
24										0.3	1.12			0.554		0.661				
25	11	-331	0.5		1.2	75	3940	190		1.22				0.645	4860	0.774				
26	11	-322	0.5		1.1	68	3620	188		1.3				0.662	7380	0.807				
27	11	-332	0.5		1.2	69	3640	190		1.25				0.63	5080	0.742				
28	10	-335	0.5		1.1	68	3360	202		1.32				0.653	4180	0.838				
29	10	-337	0.5		1.1	69	4320	160		1.41				0.648	3800	0.949				
Avg.	10.524		1		1.7905	69	3793	183	0.1475	1				1	5458.1	0.8635				
Max.	14		0.6		5.5	78	4320	207	0.29	1.9				0.96	10380	1.504				
Min.	9		0.5		1	52	3300	158	0.1	1.01				0.426	2640	0.529				
Data	21	21	21	0	21	21	21	21	4	29	0	0	0	29	21	29	0	0	0	0