



Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org

August 19, 2010

Ms. Carolena Bentley
Kentucky Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601

RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report-July 2010

Dear Ms. Bentley:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Cedar Creek WQTC, KPDES No.: KY0098540 for the month of July 2010.

Also attached is a overflow report.

There were no exceedences or bypasses.

If you have any questions concerning the attached DMR's, please contact me at (502) 239-7574.

Sincerely,

A handwritten signature in cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 07.10.doc

Enclosures

cc: C. Roth (DOW Louisville)
T. Singleton
R. Shaw



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME CEDAR CREEK WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY CEDAR CREEK WQTC MSD

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)
 DISCHARGE MONITORING REPORT (DMR)

KY0098540
 PERMIT NUMBER


0012
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL JEFFE
 NEW EXPANSION
 EFFLUENT
 [] No Discharge

LOCATION LOUISVILLE KY 40291
 ATTN: DENNIS THOMMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	07	01		10	07	31

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
OXYGEN, DISSOLVED (DO) 00300 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	7.0	*****	*****	(19) MG/L	0	1/1	GR	
	PERMIT MEASUREMENT	*****	*****	***	7.0 INST MIN	*****	*****	(19) MG/L		THREE/WEEK	GRAB	
PH	SAMPLE MEASUREMENT	*****	*****	***	6.7	*****	7.0	(12) SU	0	1/1	GR	
	PERMIT MEASUREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	(12) SU		THREE/WEEK	GRAB	
SOLIDS, TOTAL SUSPENDED 00530 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	4432	5274	(26) LBS/DY	*****	141	161	(19) MG/L	0	3/7	CP	
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	63	68	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	CP	
	PERMIT MEASUREMENT	1876 MO AVG	2815 MX WK AV	(26) LBS/DY	*****	30 MO AVG	45 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
NITROGEN, AMMONIA TOTAL (AS N) 00610 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	703	738	(26) LBS/DY	*****	23	25	(19) MG/L	0	3/7	CP	
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	13	34	(26) LBS/DY	*****	0.4	0.9	(19) MG/L	0	3/7	CP	
	PERMIT MEASUREMENT	250 MO AVG	375 MX WK AV	(26) LBS/DY	*****	4 MO AVG	6 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2	3	(26) LBS/DY	*****	0.1	0.1	(19) MG/L	0	3/7	CP	
	PERMIT MEASUREMENT	63 MO AVG	94 MX WK AV	(26) LBS/DY	*****	1.0 MO AVG	1.5 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. 1001 AND 23 U.S.C. 1310. (Penalties under those statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.							TELEPHONE		DATE		
H J SCHARDEIN EXECUTIVE DIRECTOR								502	540-6000	10	08	26
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE			
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)												

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KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)
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KY0098540
 PERMIT NUMBER

001 2
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MAJOR (SUBR LV)
 F - FINAL JEFFE
 NEW EXPANSION
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 ATTN: DENNIS THOMMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
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NOTE: Read instructions before completing this form

PARAMETER	MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	4.00	6.10	(03) MGD	*****	*****	*****	***	0	CN	CN	
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTIN	
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	4	6	(13) 100ML	0	3/7	GR	
	PERMIT MEASUREMENT	*****	*****	***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/WEEK	GRAB	
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	3130	3549	(26) LBS/DY	*****	100	109	(19) MG/L	0	3/7	CP	
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	63	68	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	CP	
	PERMIT MEASUREMENT	625 MO AVG	938 MX WK AV	(26) LBS/DY	*****	10 MO AVG	15 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
BOD, CARB 5-DAY, 20 DEG C, PERCENT REMVL 80091 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	98	*****	*****	(23) CENT	0	1/31	CA	
	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD	
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	98	*****	*****	(23) CENT	0	1/31	CA	
	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD	
	SAMPLE MEASUREMENT											
	PERMIT MEASUREMENT											
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TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							AREA CODE	NUMBER	YEAR	MO	DAY
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)												

NAME OF TREATMENT PLANT CEDAR CREEK WTP
 KPDES PERMIT NUMBER KY0098540

COUNTY JEFFERSON

MONTH OF: July 2010
 RECEIVING STREAM CEDAR CREEK

PLANT CAPACITY 7.5 MGD

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLABLE SOLIDS (mg/L)			DISSOLVED OXYGEN (mg/L)			SUSPENDED SOLIDS (mg/L)			5 DAY CBOD (mg/L)			ACTIVATED SLUDGE			AERATION BASIN						SLUDGE HANDLING				FINAL							
		GRIT REMOVED (CUBIC FEET)	SCREENINGS (CUBIC FEET)	RAW	FINAL	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	STREAM ABOVE	FINAL EFFLUENT	STREAM BELOW	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RETURN		WASTE	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	30 MIN.	60 MIN.	RAW		HAULED		NH3-N (mg/L)	FECAL COLIFORM (COLO/NIES/100ML)	Total Phosphorus						
																		GAL/DAY X 1000	MLSS X 1000							GAL/DAY X 1000	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS				% DRY SOLIDS	% VOLATILE SOLIDS	WASTEWATER GALLONS X 1000			
1	3.39	3	3	6.7	6.7												1610	4460	49	3.8	2610	2120	340	240							0.78	4	0.075					
2	3.36			6.7	6.7	11.0				8.2			253		2	170		2	1566	4580	60	3.4	2465	1955	390	300												
3	3.24			6.6	6.7					8.0								1339	7220	49	3	2665	2165	350	300													
4	3.16			6.7	6.8					8.0			98		2	76		2	1362	4790	46	2.9	2395	1935	330	300												
5	3.25			6.8	6.9	9.0				7.7								1652	5140	50	2.4	2460	1960	330	300							0.06	5	0.06				
6	3.20			6.8	6.9	8.0				7.8			131		2	82		2	1635	4610	34	3	2220	1790	310	270							0.78	4	0.06			
7	3.04			6.8	6.8					7.6								1646	4220	46	3.5	2400	1830	310	270													
8	3.31	3	3	6.7	6.8					7.8			128		2	90		2	1493	3800	38	3.2	2340	1625	330	280							0.06	12	0.114			
9	3.81			6.7	6.9	6.0				7.8								1597	4910	45	2.9	2555	2080	350	300													
10	4.19			6.8	6.8					7.8								1563		52	3.4			360	290													
11	4.65			6.8	6.8					7.5			105		2	76		2	1562		50	3.8			360	300												
12	3.79			6.8	6.9	10.0				7.4			122		2	101		2	1559	5390	55	2.4	2680	2150	320	300							2.10	4	0.073			
13	6.10			6.9	6.9	9.0				7.8								1492	5140	44	2.8	2520	2160	300	290									0.62	4	0.095		
14	4.89			6.8	6.8					7.5								1394	4870	46	2.2	2810	2260	300	290													
15	4.06	3	3	6.8	6.8					7.2			146		2	114		2	1512	5080	50	1.8	2590	2210	300	280									0.06	4	0.075	
16	3.80			6.8	6.9	14.0				7.6								1487	4945	46	3.8	2605	2240	300	280													
17	4.03			6.8	6.8					7.5								1612		48	3.4			290	270													
18	3.87			6.9	6.8					7.6			134		2	87		2	1543		46	3.4			290	280												
19	3.49			6.8	6.9	5.0				7.4			117		2	90		2	1129	5390	50	3.4	2615	2140	340	300								0.06	4	0.06		
20	5.42			6.9	6.9	8.0				7.4								1599	4660	52	2.4	2590	2140	310	290										0.06	4	0.06	
21	5.88			7.0	6.9					7.9								1548	6100	49	3.8	2465	2000	310	290													
22	4.83	3	3	6.9	6.8					8.1			179		2	103		2	1260	5280	41	4.5	2525	2090	310	280												
23	4.18			6.9	6.9	10.0				7.6								1016	5010	48	2.6	2510	2040	310	280										0.06	4	0.062	
24	3.95			6.7	7.0					7.4								1436	5920	50	3.4	2755	2285	290	250													
25	3.78			6.6	6.8					7.6			111		2	78		2	1492	6590	56	3	2125	1755	290	250												
26	3.67			6.7	6.8	8.0				7.6			167		2	132		2	1397	6360	52	3.2	2205	1925	340	290									0.06	3	0.073	
27	3.35			6.7	6.9	7.0				7.5								1619	3960	67	3	2195	1900	280	250											0.06	4	0.064
28	3.46			6.8	6.8					7.2								1548	4810	50	1.8	2260	1940	290	250													
29	3.71	3	3	6.7	6.8					7.6								1603	4430	0	3.3	2215	2130	290	260													
30	3.29			6.6	6.8					7.8								1626	4760	57	3.3	2300	1940	290	250													
31	5.86			6.9	6.9					8.1										50	3.4			300	290													
Tot.	124.01	15	15															44896																				
Avg.	4.00	3	3	6.6	6.8	8.8				7.7			141		2	100		2	1497	5093	47.61	3.103	2456	2029	316.8	279.7										0.39	4	0.073

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

38098

19609

22387

Joseph Shaun Smith

17987

FLOW

CBOD

TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS

0

X

4

=

0

SEWERED POPULATION

(502)-239-7574

PLANT TELEPHONE



Metropolitan Sewer District

IMSAST0004

Overflow Report

Initiated Jul 01, 2010 12:00 AM thru Jul 31, 2010 11:59 PM

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV, DISSUS

KPDES # KY0098540 Facility ID MSD0289 Water Quality Treatment Center CEDAR CREEK Receiving Stream of Treatment Center CEDAR CREEK Region CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	106692	8400 ARBOR MEADOW WAY		PENNSYLVANIA RUN	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1107556	07/13/10 12:45 PM	MARINO	MARINO	REPAIRED - ISSUE RESOLVED	07/13/10	OBSTRUCTION-NOT GREASE / ROOTS	UNAUTHORIZED DISCHARGE - WATERS	07/13/10 12:56 PM	MAIN

Spot Inspections:

Discharge Amount:	50 GAL
Cause:	OBSTRUCTION IN MAIN SEWER
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	PLACED TEMPORARY SIGNS AROUND IMPACTED AREA
Impact:	SEWAGE COMING FROM MANHOLE IN SIDEWALK
Repair:	WORK ORDER 1107547 - FLUSHED AND REMOVED THE DEBRIS FROM SEWER

Notifications:

07/13/10 12:45 PM	DISPUB	ADVISED CUSTOMER ON SITE
07/14/10 09:19 AM	DISNOT	Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov