



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

September 21, 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-August 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 August 2010.

Also attached is a bypass letter & overflow report.

There were no exceedences.

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

Sincerely,

A handwritten signature in cursive script, reading "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 08.10.doc

Enclosures

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



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

NAME CEDAR CREEK WQTC MSD

ADDRESS C/O CEDAR CREEK WQTC

8405 CEDAR CREEK RD

LOUISVILLE KY 40211

FACILITY CEDAR CREEK WQTC MSD

LOCATION LOUISVILLE KY 40291

ATTN: DENNIS THOMMASSON SR. METRO OPS

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

KY0098540

PERMIT NUMBER

001 2

DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
10	08	01		10	08	31

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

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)	SAMPLE MEASUREMENT	*****	*****	***	7.2	*****	*****	(19) MG/L	0	1/1	GR
00300 1 0 0	PERMIT MEASUREMENT	*****	*****	***	7.0	*****	*****	(19) MG/L		THREE/WEEK	GRAB
EFFLUENT GROSS VALUE					INST MIN						
PH	SAMPLE MEASUREMENT	*****	*****	***	6.7	*****	7.2	(12) SU	0	1/1	GR
00400 1 0 0	PERMIT MEASUREMENT	*****	*****	***	6.0	*****	9.0	(12) SU		THREE/WEEK	GRAB
EFFLUENT GROSS VALUE					MINIMUM		MAXIMUM				
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	3453	3958	(26) LBS/DY	*****	99	112	(19) MG/L	0	3/7	CP
00530 G 0 0	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
RAW SEW/INFLUENT											
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	70	84	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	CP
00530 1 0 0	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
EFFLUENT GROSS VALUE											
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	736	777	(26) LBS/DY	*****	21	24	(19) MG/L	0	3/7	CP
00610 G 0 0	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
RAW SEW/INFLUENT											
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	8	17	(26) LBS/DY	*****	0.3	0.5	(19) MG/L	0	3/7	CP
00610 1 1 0	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
EFFLUENT GROSS VALUE											
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	3	3	(26) LBS/DY	*****	0.1	0.1	(19) MG/L	0	3/7	CP
00665 1 0 0	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
EFFLUENT GROSS VALUE											
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 33 U.S.C. 1319. (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 09 23			
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE					
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

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

LOCATION LOUISVILLE KY 40291

ATTN: DENNIS THOMMASSON SR. METRO OPS

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

KY0098540

PERMIT NUMBER

001 2

DISCHARGE NUMBER

 MAJOR
 (SUBR LV)

F - FINAL

JEFFE

 NEW EXPANSION
 EFFLUENT

[] No Discharge

MONITORING PERIOD

FROM YEAR 10 MO 08 DAY 01 TO YEAR 10 MO 08 DAY 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			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3.93	6.46	(03) MGD	*****	*****	*****	***	0	CN	CN
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTIN
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	*****	*****	***	*****	6	10	(13) 100ML	0	3/7	GR
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/WEEK	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2765	2989	(26) LBS/DY	*****	81	104	(19) MG/L	0	3/7	CP
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	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	70	84	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	CP
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	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, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	98	*****	*****	(23) CENT	0	1/31	CA
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	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
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT										
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	PERMIT MEASUREMENT										
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 33 U.S.C. 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.										
H J SCHARDEIN EXECUTIVE DIRECTOR	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				TELEPHONE		DATE				
TYPED OR PRINTED					502 540-6000		10 09 23				
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)					AREA CODE NUMBER		YEAR MO DAY				

NAME OF TREATMENT PLANT CEDAR CREEK WTP
 KPDES PERMIT NUMBER KY0098540

COUNTY JEFFERSON
 PLANT CAPACITY 7.5 MGD

MONTH OF: August 2010
 RECEIVING STREAM CEDAR CREEK

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		Total Phosphorus	
		GRT 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	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		RAW		HAULED		NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)		
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	
1	5.06			6.8	6.8					8.2		129		2	81		2	1396		50	4.6											0.06	60	0.074
2	4.19			6.8	6.8	11.0				8.0		109		2	99		2	1553	6140	37	4.7											0.78	4	0.095
3	3.74			6.7	6.8	8.0				7.6		84		2	67		2	1615	5660	43	3.5											0.67	4	0.089
4	3.46			6.8	6.9	8.0				7.4								1521	5740	52	3.6													
5	3.69	3	3	6.7	7.2					7.2								1605	4210	40	3.5													
6	3.73			6.8	6.9					7.5								1584	4490	41	3.4													
7	3.46			6.9	6.9					7.4								1617		49	3.4													
8	3.35			6.7	6.9					7.8		109		2	111		2	1623		50	4											0.06	4	0.11
9	3.17			6.8	6.9	14.0				7.6		101		2	76		2	1603	4990	45	3.5											0.06	5	0.103
10	3.23			6.8	6.8	10.0				7.6		127		2	126		2	1601	4890	49	4											1.00	4	0.1
11	3.31			6.7	6.8	12.0				7.2								1594	5040	46	2.8													
12	3.16	3	3	6.8	6.8					7.3								1456	5830	51	3.1													
13	3.44			6.7	6.7					7.4								1565	5240	45	4.2													
14	6.46			6.8	6.8					7.6								1636		45	4.9													
15	5.34			6.8	6.7					7.2		76		2	51		2	1503		45	3.6											0.06	14	0.07
16	4.78			6.9	6.8	8.0				7.2		69		2	50		2	2161	5080	45	1.4											0.06	13	0.074
17	5.02			6.8	6.8	11.0				7.4		90		2	73		2	1980	5500	50	3.1											0.06	4	0.065
18	4.75			6.8	6.7	11.0				7.4								2077	5210	54	2.6													
19	3.73	3	3	6.8	6.9					7.6								1498	6900	55	2													
20	3.59			6.9	6.9					7.3								1494	6290	55	2													
21	4.93			6.9	6.9					7.4								1272		53	1.1													
22	4.76			6.8	6.8					7.6		113		2	70		2	1277		50	1.2											0.06	4	0.074
23	4.06			6.9	6.9	12.0				7.2		96		2	86		2	1374	5810	50	2.1											0.06	4	0.06
24	3.72			6.8	6.8	10.0				7.8		91		2	87		2	1343	4550	41	5											0.06	4	0.07
25	3.65			6.8	6.8	10.0				7.8								1651	4640	45	5.3													
26	3.37	3	3	6.7	6.8					7.5								1700	6100	40	3.5													
27	3.35			6.5	6.9					7.8								1622	4310	43	3.7													
28	3.51			6.8	7.0					7.6								1719		41	4													
29	3.49			6.7	6.8					7.4								1656		41	2.6													
30	3.19			6.8	6.8					7.4								1609	6160	51	2.2													
31	3.08			6.8	6.9					7.6								1666	5860	47	4.6													
Tot.	121.77	12	12															49571																
Avg.	3.93	3	3	6.8	6.8	10.4				7.5		99		2	81		2	1599.1	5391	46.74	3.329											0.25	6	0.062

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

37410
 FLOW

15689
 CBOD

15509
 TSS

Joseph Shaun Smith
 OPERATOR

17987
 CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

(502)-239-7574

PLANT TELEPHONE



700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org

August 5, 2010

Mr. Charlie Roth, District Supervisor
KY Division of Water
Louisville Regional Office
9116 Leesgate Road
Louisville, KY 40222-5084

Re: Bypass Report for the: Cedar Creek WQTC- KPDES Permit: KY0098540

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on August 02, 2010, referencing Work Order 1116789 as a Dry Weather Discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: East channel U.V. gate failed to close while in automatic control. Approximately 7,398 gallons of effluent received full treatment except for U.V. disinfection. Upon discovery, the east channel gate was shut manually to stop the bypass.
- Period of noncompliance: Starting 01:48 AM on August 02, 2010 and stopping 01:54 AM on August 02, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD personnel have conducted troubleshooting of the U.V. system. At this time, we cannot determine the cause of U.V. influent gate control issues. We have contacted the U.V. manufacturers representative and the manufacturer to investigate and determine the cause of the U.V influent gate control issues to prevent a recurrence.
- Additional comments: No additional comments.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-239-7574, my cell phone at (502)-396-9142 or via email at wrightd@msdlouky.org.

Sincerely,


Duane V. Wright
Process Supervisor-Operations

cc: Gary Levy, KDEP
Paula Purifoy, MSD
eB File



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

Report Selections: Excluding PPI, CSO, Prob Code: BYPAS, 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 SPL Sewer Treatment Plant	Facility ID MSD0289	Facility Address 8605 CEDAR CREEK RD	If Pump Station, Name of Pump Station: CEDAR CREEK	Discharge to GROUND
<u>Activity Code / Description</u> DISDW: DRY WEATHER DISCHARGE	<u>WO #</u> 1116789	<u>Initiated</u> 08/02/10 01:48 AM	<u>Initiated By</u> ELDER	<u>Assigned To</u> LANGFORD
		<u>Disch Status</u> REPAIRED - ISSUE RESOLVED	<u>Event Date</u> 08/02/10	<u>Problem</u> BYPASS AT WQTC
		<u>Result</u> UNAUTHORIZED DISCHARGE - WATERS	<u>Completed</u> 08/02/10 01:54 AM	<u>Condition</u>

Spot Inspections:

Discharge Amount	7,398 GAL
Cause:	UV LAMPS DID NOT COME ON IN AUTO
Clean Up:	FLOW DIRECTLY DISCHARGES TO CREEK, NO CLEANUP POSSIBLE
Control Zone:	PERMENANT SIGNS ALONG CREEK
Impact	NO IMPACT OBSERVED
Repair:	CLOSED GATE TO STOP BYPASS

Notifications:

08/02/10 03:30 AM	DISPUB	Permanent signs & http://www.msdlouky.org/projectwin/
08/02/10 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, oppc.ert@ky.gov and LisaA.Jeffries@ky.gov

Total Facilities Printed: 2
Total Work Orders Printed: 2