



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

December 18, 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-November 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 November 2010.

There is also a bypass report & 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 black ink, appearing to read "Duane V. Wright", is written over a light blue horizontal line.

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 11.10.doc

Enclosures

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



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

November 17, 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:

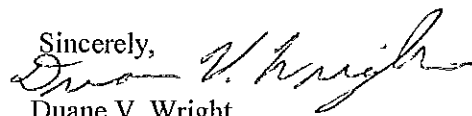
This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on November 16, 2010, referencing Work Order 1165777 as a Dry Weather discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: This bypass was caused by structural failure of the UV influent gate channel. Corrosion of the aluminum gate allowed water to seep past the gate seals.
- Period of noncompliance: Starting 04:30 AM on November 16, 2010 and stopping 05:16 AM on November 16, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: To eliminate this bypass, UV channel was put in service. We have ordered parts to replace the aluminum UV channel gate with stainless steel. We will replace and install the UV channel gate by December 10, 2010 .
- Additional comments: We will implement a quarterly preventative maintenance work order to check the integrity of the UV gates to prevent recurrence.

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



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

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									
YEAR	MO	DAY		YEAR	MO	DAY			
10	11	01	FROM	10	11	30	TO		

NOTE: Read instructions before completing this form

PARAMETER		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	*****	*****	***	8.2	*****	*****	(19) MG/L	0	1/1	GR					
	PERMIT MEASUREMENT	*****	*****	***	7.0 INST MIN	*****	*****	(19) MG/L		THREE/ WEEK	GRAB					
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	6.5	*****	7.2	(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	8390	14416	(26) LBS/DY	*****	263	396	(19) MG/L	0	13/30	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	85	114	(26) LBS/DY	*****	3	5	(19) MG/L	0	13/30	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	667	797	(26) LBS/DY	*****	22	32	(19) MG/L	0	13/30	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 2 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	6	16	(26) LBS/DY	*****	0.2	0.6	(19) MG/L	0	13/30	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					
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3	5	(26) LBS/DY	*****	0.1	0.1	(19) MG/L	0	13/30	CP					
	PERMIT MEASUREMENT	125 MO AVG	156 MX WK AV	(26) LBS/DY	*****	2.0 MO AVG	2.5 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 33 U.S.C. 1315. (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	12	22					
TYPED OR PRINTED							AREA CODE	NUMBER	YEAR	MO	DAY					

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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

001 2
 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							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	10	11	01		10	11	30

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	4.77	12.90	(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	*****	*****	***	*****	7	13	(13) 100ML	0	13/30	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	4012	4982	(26) LBS/DY	*****	128	144	(19) MG/L	0	13/30	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	70	91	(26) LBS/DY	*****	2	2	(19) MG/L	0	13/30	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	1/30	CA
	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	1/30	CA
	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 H J SCHARDEIN
 EXECUTIVE DIRECTOR
 TYPED OR PRINTED

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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 502 540-6000
 AREA NUMBER
 CODE

DATE
 10 12 22
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME OF TREATMENT PLANT CEDAR CREEK WTPCOUNTY JEFFERSONMONTH OF: November 2010KPDES PERMIT NUMBER KY0098540PLANT CAPACITY 7.5 MGDRECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLEABLE 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 D	DISOLVED 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)	Total Phosphorus	
																		GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000					30 MIN.	60 MIN.	24 HOURS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000				
1	3.06			6.9	7.0									2	172		2	1804	4720	56	3.3	2740	2250	390	290								0.06	4	0.089	
2	3.04			7.1	6.5	15.0								2	155		2	1894	4540	56	5.0	2630	2030	340	270								0.50	12	0.072	
3	3.09			7.1	7.2	20.0								2	104		2	1893	4470	59	4.6	3200	2300	330	270								0.06	4	0.074	
4	2.97			6.9	6.9	10.0												1871	5090	57	3.3	2690	2290	340	290											
5	3.00			6.9	6.8													1885	4020	61	3.6	2590	2070	340	290											
6	3.10			6.8	7.2													1802	4380	58	3.8	3640	2830	330	280											
7	3.21			6.8	7.2													1776	4000	68	2.9	3310	2510	350	290											
8	3.12			7.1	7.0													1787	4390	74	2.3	2860	2270	380	280									1.20	4	0.061
9	2.87			6.9	7.0	10.0												1817	3740	43	3.1	2630	2100	340	270									0.62	4	0.06
10	2.90			7.0	6.8	15.0												1896	4310	51	3.5	2430	1760	330	260									0.06	130	0.088
11	2.84			7.1	7.0	18.0												1852	5990	50	3.0	3150	2290	370	300											
12	2.83			6.9	6.9	15.0												1883	5110	50	3.4	3030	2230	300	270											
13	3.13			7.0	6.9													1873	3660	49	3.0	2780	2120	350	300											
14	3.48			7.1	7.0													1794		47	3.3			360	310											
15	3.32			7.0	6.9													1706	5080	55	2.1	2860	2200	390	320									0.06	4	0.065
16	4.87			6.9	6.9	14.0												1820	4610	54	3.6	3080	2360	360	300									0.06	4	0.102
17	6.07			7.1	6.8	20.0												1810	7280	63	5.0	2520	2030	340	270									0.06	4	0.073
18	4.62			7.1	6.9	13.0												1686	5780	63	4.9	2760	2110	350	280											
19	4.08			6.9	6.9													1783	5330	57	4.4	2570	1960	350	280											
20	3.98			7.0	7.1													1721	4790	65	3.8	3180	2460	330	280											
21	3.98			6.9	6.9													1611		50	2.4			320	290											
22	3.48			6.9	6.9													1488	5310	56	2.1	2410	2030	320	250									0.06	4	0.099
23	5.83			6.8	7.0	15.0												1815	7180	56	3.5	3050	2340	360	300									0.06	4	0.094
24	6.55			6.8	6.9	5.0												1714	5640	55	5.1	2660	2020	320	260									0.06	4	0.105
25	9.55			6.8	6.9	9.0												1745	5280	30	4.3	2240	1790	320	250											
26	12.70			6.9	6.9													2280	5580	35	4.8	2440	1910	320	260											
27	7.60			6.8	7.0													3293		50	4.2			280	220											
28	6.06			6.8	6.9	10.0												3097		58	3.1			270	220								0.06	24	0.1	
29	5.02			6.6	6.7	10.0												3101	5160	60	3.8	2990	2420	370	310											
30	12.90			6.9	6.8	5.0												3662	9440	50	4.0	2460	1950	320	250											
Tot.	143.23																	60159																		
Avg.	4.77			6.9	6.9	12.8								3	128		2	2005.3	5188	54.53	3.64	2804	2178	339	276.3									0.22	7	0.083

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

45471
FLOW30053
CBOD49795
TSSJoseph S. Smith
OPERATOR20987
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

(502) 239-7574

PLANT TELEPHONE



Initiated Nov 01, 2010 12:00 AM thru Nov 30, 2010 11:59 PM

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

KPDES #
KY0098540Facility ID
MSD0289Water Quality Treatment Center
CEDAR CREEKReceiving Stream of Treatment Center
CEDAR CREEKRegion
CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0289	8605 CEDAR CREEK RD		CEDAR CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	1165777	11/16/10 04:30 AM	ELDER	LANGFORD	REPAIRED - ISSUE RESOLVED	11/16/10	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	11/16/10 05:16 AM	

Spot Inspections:

Discharge Amount:	530 GAL
Cause:	STRUCTURAL FAILURE OF THE UV INFLUENT GATE CHANNEL. CORROSION OF THE ALUMINUM GATE ALLOWED WATER TO SEEP PAST THE GATE SEALS.
Clean Up:	CLEANUP NOT POSSIBLE DUE TO DISCHARGE INTO EFFLUENT CHANNEL ALONG WITH FULLY TREATED WATER
Control Zone:	NONE WAS CREATED DUE TO WATER DISCHARGING DIRECTLY INTO FULLY TREATED EFFLUENT WATER
Impact:	PARTIALLY TREATED SEWAGE INTO FULLY TREATED EFFLUENT
Repair:	CLOSE GATE TO FULL CLOSED POSITION & PUMP BACK UNTREATED WATER TO THE SYSTEM

Notifications:

11/16/10 05:44 AM	DISPUB	Advised employees on site of the dangers of coming into contact with sewage
11/16/10 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/16/10 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov

Total Facilities Printed: 2

Total Work Orders Printed: 2