



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

November 7, 2014

Ms. Cheryl Edwards  
Kentucky Division of Water  
200 Fair Oaks Lane  
Frankfort, Kentucky 40601

**Re: MSD Metro Operations  
Berrytown WQTC; KPDES No.: KY0036501  
Discharge Monitoring Reports – October 2014**


Dear Ms. Edwards:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the Berrytown WQTC, KPDES No.: KY0036501 for the month of October 2014.

There were no exceedences, bypasses or overflows to report.

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

Sincerely,

  
Kevin Thompson  
Process Supervisor Central Region

KL/Berrytown 10.14

Enclosures

cc: T. Singleton  
R. Shaw



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[www.louisvillegreen.com](http://www.louisvillegreen.com)

**DMR Copy of Record**

<b>Permit</b>			
<b>Permit #:</b>	<b>KY0036501</b>	<b>Permittee:</b>	BERRYTOWN WQTC MSD
<b>Major:</b>	No	<b>Permittee Address:</b>	1203 HEAFER RD LOUISVILLE, KY 40222
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-1</b> SANITARY WASTEWATER
<b>Facility:</b>		<b>Facility Location:</b>	BERRYTOWN WQTC MSD 1203 HEAFER RD LOUISVILLE, KY 40222

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	<b>From 10/01/14 to 10/31/14</b>	<b>DMR Due Date:</b>	<b>11/28/14</b>
<b>Status:</b>	<b>NetDMR Validated</b>		

**Considerations for Form Completion**  
 TOTAL NITROGEN IS THE SUMMATION OF THE ANALYTICAL RESULTS FOR TOTAL NITRATES, TOTAL NITRITES, AND TOTAL KJELDAHL NITROGEN

<b>Principal Executive Officer</b>			
<b>First Name:</b>	Greg	<b>Title:</b>	Executive Director
<b>Last Name:</b>	Heitzman	<b>Telephone:</b>	502-540-6000

**No Data Indicator (NODI)**  
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	7				=	7				19 - mg/L	0	01/01 - Daily	GR - GRAB
					Permit Req.	>=	7 INST MIN								19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	6				=	8			12 - SU	0	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	6 MINIMUM				<=	9 MAXIMUM		12 - SU	0	01/07 - Weekly	GR - GRAB		
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	2.6	=	3.7	26 - lb/d	=	4	=	5	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	18.8 MO AVG	<=	28.2 WKLY AVG	26 - lb/d	<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample	=					=	17	=	23	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	0.3	=	0.6	26 - lb/d	=	0.5	=	0.6	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	2.5 MO AVG	<=	3.8 WKLY AVG	26 - lb/d	<=	4 MO AVG	<=	6 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=					=	2.5	=	4.5	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.083	=	0.111	03 - MGD						0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon WKLY AVG	03 - MGD						0	99/99 - Continuous	IN - INSTAN	
					Value NODI														
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample						<	0.01	<	0.01	19 - mg/L	0	29/30 - 29 Per Month	GR - GRAB	
					Permit Req.						<=	.011 MO AVG	<=	.019 WKLY AVG	19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	1	=	1	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Permit Req.						<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	2.9	=	3.7	26 - lb/d	=	5	=	5	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	15.7 MO AVG	<=	23.5 WKLY AVG	26 - lb/d	<=	25 MO AVG	<=	37.5 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														

**Submission Note**  
 If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

**Edit Check Errors**  
 No errors.

**Comments**

<b>Attachments</b>		
Name	Type	Size
201410_Berrytown_MOR.pdf	pdf	9075
201410_Berrytown_COVERLETTER.pdf	pdf	17077

**Report Last Saved By**  
 BERRYTOWN WQTC MSD

Name: Kevin Thompson  
E-Mail: kevin.thompson@louisvillemsd.org

Berrytown	Report for	Oct-14			Tot. Exc.=	0								
Tot. Flow=	2.5831	Concentrations			Pounds									
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC	Tot. N	
10/1/14	0.060	5	5	0.56		2.505	2.505	0.281	4.51	7.4	6.3	0.01	20.91	
10/2/14	0.053				1					7.6	6.5	0.01		
10/3/14	0.058									7.6	6.3	0.01		
10/4/14	0.057									7.5	6.5	0.01		
10/5/14	0.057									8.1	6.3	0.01		
10/6/14	0.063									8.3	6.5	0.01		
10/7/14	0.067									8.2	6.7	0.01		
10/8/14	0.060	3	5	0.56		1.496	2.494	0.279	3.26	8.2	6.9	0.01	22.78	
10/9/14	0.057				1					8.3	7.2	0.01		
10/10/14	0.089									8.1	7	0.01		
10/11/14	0.096									8.5	6.8	0.01		
10/12/14	0.082									8.2	6.9	0.01		
10/13/14	0.093									7.5	6.6	0.01		
10/14/14	0.274									7.6	6.9	0.01		
10/15/14	0.178									7.3	7.4	0.01		
10/16/14	0.146	3	3	0.5		3.661	3.661	0.610	1.06	7	7.5		10.39	
10/17/14	0.113				1					7.2	7.3	0.01		
10/18/14	0.096									7.2	7.3	0.01		
10/19/14	0.089									7.4	6.8	0.01		
10/20/14	0.081									7.3	7	0.01	13.85	
10/21/14	0.072									7.3	6.8	0.01		
10/22/14	0.067	5	5	0.34		2.781	2.781	0.189	1.28	7.2	6.5	0.01	13.65	
10/23/14	0.065				1					7.6	6.8	0.01		
10/24/14	0.061									7.4	6.2	0.01		
10/25/14	0.063									7.4	6.4	0.01		
10/26/14	0.066									7.2	6.4	0.01		
10/27/14	0.066									7.2	6.2	0.01	21.43	
10/28/14	0.067									7.3	6.3	0.01		
10/29/14	0.060									7.4	6.6	0.01		
10/30/14	0.062									8	6.7	0.01		
10/31/14	0.068									7.8	7.1	0.01		
Average	0.083	4	5	0.5	1.00	3	2.860	0.34	2.5	7.62	7	0.01	17.17	
Maximum	0.274	5	5	0.6	1.00	4	3.661	0.6	4.5	8.50	8	0.01	22.78	
Exceed.	11	0	0	0	0	0	0	0						