



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

May 12, 2015

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report-April 2015**

Dear Ms. Edwards:

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 April 2015.

There were no exceedances, or bypasses report.

Also attached are overflow reports.

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

Sincerely,


Kevin Thompson
Process Supervisor Central Region

KLT/Cedar Creek 04.15.doc

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit			
Permit #:	KY0098540	Permittee:	CEDAR CREEK WQTC MSD
Major:	Yes	Permittee Address:	8405 CEDAR CREEK RD LOUISVILLE, KY 40211
Permitted Feature:	001 External Outfall	Discharge:	001-2 NEW EXPANSION
Facility:		Facility Location:	CEDAR CREEK WQTC MSD 8405 CEDAR CREEK RD LOUISVILLE, KY 40211

Report Dates & Status			
Monitoring Period:	From 04/01/15 to 04/30/15	DMR Due Date:	05/28/15
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Greg	Title:	Executive Director
Last Name:	Heitzman	Telephone:	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	=	8.3									19 - mg/L	0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB GR - GRAB
					Permit Req.	>=	7 INST MIN									19 - mg/L			
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	6.6				=	7.6			12 - SU	0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB GR - GRAB	
					Permit Req.	>=	6 MINIMUM			<=	9 MAXIMUM				12 - SU				
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	113	=	191	26 - lb/d	=	2	=	4	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	1876 MO AVG	<=	2815 MX WK AV	26 - lb/d	<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L				
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	12273	=	21390	26 - lb/d	=	226	=	311	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	9	=	14	26 - lb/d	=	0.2	=	0.3	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	625 MO AVG	<=	938 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	596	=	668	26 - lb/d	=	13	=	14	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample	=	6	=	9	26 - lb/d	=	0.1	=	0.2	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	125 MO AVG	<=	188 MX WK AV	26 - lb/d	<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L				
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	6.219	=	16.248	03 - MGD						0	99/99 - Continuous 99/99 - Continuous	CN - CONTIN CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample						=	3	=	6	13 - #/100mL	0	03/07 - Three Per Week 03/07 - Three Per Week	GR - GRAB CP - COMPOS	
					Permit Req.						<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL				
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	143	=	172	26 - lb/d	=	3	=	3	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	625 MO AVG	<=	938 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L				
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	5516	=	7712	26 - lb/d	=	109	=	122	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	97			23 - %	0	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD	
					Permit Req.						>=	85 MO MIN			23 - %				
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	99			23 - %	0	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD	
					Permit Req.						>=	85 MO MIN			23 - %				
					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

Attachments

Name	Type	Size
201504_Cedarcreek_MOR.pdf	pdf	117726
20154_CedarCreek_OverflowReport.pdf	pdf	85090
201504_Cedarcreek_coverletter.pdf	pdf	46387

Report Last Saved By

CEDAR CREEK WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2015-05-22 14:02 (Time Zone: -04:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: April 2015

KPDES PERMIT NUMBER KY0098540

KY0098540

PLANT CAPACITY 7.5 MGD

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				
		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	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	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)	Total Phosphorus				
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000							
1	3.61			6.9	7.2					9.1			290			3	88			3	2.10	5260	80000	2.4	2480	2060	380	300							0.16		0.087	
2	4.87			7.0	7.1	22.0				8.6			238			2	159			3	1.98	6131	85000	3.2	2450	2050	370	310					1.7		0.13	2	0.072	
3	16.25			6.8	7.1	24.0				9.4											2.30		85000	3.9			300	210								2		
4	14.21			6.8	7.6					10.0											5.71		85000	3.4			320	210										
5	8.00			6.8	6.8					9.8			120			6	76			3	5.95		85000	2.3			240	200							0.46		0.079	
6	6.63			7.2	7.0	18.0				9.6											5.97	4730	85000	2.8	2380	1750	250	210							10			
7	7.75			7.0	7.0					9.9											5.87	7100	85000	3.6	3320	2490	350	300										
8	9.88			7.0	7.0					9.4			770			2	218			3	4.51	5340	85000	3.8	1900	1470	250	200							0.15		0.053	
9	7.12			7.0	7.3	40.0				9.1			93			1	70			3	6.13	8150	85000	2.6	2900	1960	360	300					1.6		0.10	8	0.064	
10	6.52			7.2	7.5	22.0				9.3											6.08	8520	95000	3.6	3410	2390	360	290								12		
11	5.58			6.5	6.6					9.5											5.82		95000	3.0			500	400										
12	5.24			6.8	7.0					9.8			184			2	102			3	5.23	6140	100000	3.6	3660	2580	530	400							0.12		0.069	
13	5.22			6.9	6.9	26.0				9.2			196			3	98			3	5.30	9110	85000	2.8	3790	2830	500	400							0.18	7	0.151	
14	6.70			6.8	6.7					9.4											4.10	7960	100000	3.4	3510	2660	460	380								2		
15	6.05			6.7	6.8					9.6			182			2	59			3	4.04	6080	90000	3.8	2640	2070	400	300							0.12		0.143	
16	5.19			6.8	6.7	22.0				9.0			104			2	78			3	4.01	6240	80000	4.0	2610	2010	400	300							0.09	2	0.187	
17	4.74			6.7	6.6	26.0				8.9											4.06	6510	80000	3.1	2460	2130	390	300					1.5		2			
18	4.57			6.7	6.7					9.0											4.28		80000	3.2			470	350										
19	6.15			6.9	6.9					9.2			232			2	126			3	3.98		80000	3.4			480	330							0.11		0.209	
20	7.91			6.7	6.8	24.0				8.6											3.95	6060	80000	2.6	2170	1760	350	280							2			
21	5.85			6.6	6.7					9.0											3.78	6870	80000	3.4	2870	2260	420	370										
22	5.75			6.8	6.8					9.2			196			1	85			2	3.99	7040	90000	3.8	2920	2360	380	320							0.13		0.143	
23	4.65			6.7	6.8	20.0				9.2			140			1	97			3	2.71	9340	90000	3.5	2480	1970	360	300						1.7		0.10	2	0.11
24	4.13			7.0	7.4	24.0				9.1											1.99	7520	90000	3.7	2590	1960	400	330								2		
25	4.50			6.1	6.8					8.5											2.09		90000	3.0			400	330										
26	4.57			6.6	7.1					8.9			188			2	158			3	2.05		90000	3.3			330	300							0.49		0.169	
27	3.91			6.7	6.9	26.0				8.3											2.11	6780	90000	2.2	2620	2200	410	360								3		
28	3.73			6.8	6.8					8.4											2.15	6290	80000	3.6	2760	2280	400	340										
29	3.68			6.6	6.9					8.5											2.11	6420	80000	4.0	2750	2490	400	330										
30	3.61			6.8	6.7					8.4											2.04	6210	90000	3.6	2680	2380	400	320										
31																																						
Tot.	####																				116.4																	
Avg.	6.22			6.8	6.9	24.5				9.1			226			2	109			3	3.88	6809	86500	3.287	2789	2187	385.3	309					1.625		0.18	3	0.118	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

59229 33185 55723
FLOW CBOD TSS

Joseph Shaun Smith
OPERATOR

20987
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0
SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-239-7695
PLANT TELEPHONE



Report Selections: Period: 04/01/2015 00:00 thru 04/30/2015 23:59, treatment Plant: MSD0289 CEDAR CREEK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	67997	7906 GAINSBOROUGH CT		LITTLE CEDAR CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2337822		4/3/15 2:30 am	DAVIS	BOND JR	DOCUMENTED	04/04/2008	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	04/03/15 04:00 PM	

Discharge Reporting:

Discharge Amount:	99,999 GAL
Cause:	lack of system capacity
Clean Up:	msd to clean and sanitize affected area
Control Zone:	signs, tape
Impact:	discoloration in stream, sewage, heavy debris
Repair:	area included in ioap
Public Notification:	notified public on site

Notifications:

4/11/15 1:03 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
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Report Selections: Period: 04/01/2015 00:00 thru 04/30/2015 23:59, treatment Plant: MSD0289 CEDAR CREEK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	81710	9905 FAIRMOUNT RD		BIG RUN	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2337611		4/3/15 7:45 am	SINGLETON	OPS BSHIFT CENTRAL	BEYOND APPROVED DESIGN STORM	10/06/2013	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	04/06/15 10:59 PM	

Discharge Reporting:

Discharge Amount:	114,425 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	A SOLUTION FOR THIS LOCATION CAN BE FOUND IN THE IAOP
Public Notification:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA

Notifications:

4/11/15 1:02 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
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Report Selections: Period: 04/01/2015 00:00 thru 04/30/2015 23:59, treatment Plant: MSD0289 CEDAR CREEK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	83011	7702 CEDAR CREEK RD		CEDAR CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2337820		4/3/15 2:30 am	DAVIS	BOND JR	BEYOND APPROVED DESIGN STORM	04/03/2015	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	04/05/15 10:00 AM	

Discharge Reporting:

Discharge Amount:	9,999 GAL
Cause:	lack of system capacity
Clean Up:	msd to clean and sanitize affected area
Control Zone:	temp signs
Impact:	discoloration in stream
Repair:	area included in ioap
Public Notification:	signs

Notifications:

4/11/15 1:03 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
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Report Selections: Period: 04/01/2015 00:00 thru 04/30/2015 23:59, treatment Plant: MSD0289 CEDAR CREEK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	88545	9601 HARVARD COMMONS CT		BIG RUN	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2337613		4/3/15 7:57 am	SINGLETON	OPS BSHIFT CENTRAL	BEYOND APPROVED DESIGN STORM	04/03/2015	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	04/05/15 10:59 PM	

Discharge Reporting:

Discharge Amount:	576,300 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA

Notifications:

4/11/15 1:02 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
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Report Selections: Period: 04/01/2015 00:00 thru 04/30/2015 23:59, treatment Plant: MSD0289 CEDAR CREEK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	94955	11306 WOODSONG CT		HAWKINS RILL	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2337576		4/3/15 7:12 am	SINGLETON	OPS BSHIFT CENTRAL	BEYOND APPROVED DESIGN STORM	04/03/2015	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	04/04/15 08:03 PM	

Discharge Reporting:

Discharge Amount:	19,275 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	A SOLUTION FOR THIS LOCATION CAN BE FOUND IN THE IOAP
Public Notification:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA

Notifications:

4/11/15 1:02 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
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Report Selections: Period: 04/01/2015 00:00 thru 04/30/2015 23:59, treatment Plant: MSD0289 CEDAR CREEK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	98022	9719 COLLIER LN		CEDAR CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2337678		4/3/15 8:30 am	SMITH	OPS BSHIFT CENTRAL	BEYOND APPROVED DESIGN STORM	04/03/2015	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	04/03/15 07:00 PM	

Discharge Reporting:

Discharge Amount:	126,000 GAL
Cause:	rain event caused a lack of system capacity
Clean Up:	msd cleaned & sanitized the area
Control Zone:	temporary signs posted
Impact:	sewage observed
Repair:	a solution for this location can be found in the ioap
Public Notification:	MSD used temporary signs to warn public

Notifications:

4/11/15 1:02 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
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Total Facilities Printed: 6

Total Work Orders Printed: 6