

NAME City of Lyons
ADDRESS 161 NE Broad Street
Lyons, GA 30436
FACILITY Lyons East Plant
LOCATION Lyons, GA 30436

GA0033405
PERMIT NUMBER


000-1
DISCHARGE NUMBER

DMR MAILING ZIP CODE: **30436**
MINOR
(SUBR MM)
ACTIVE
External Outfall

MONITORING PERIOD
FROM **12/1/2016** TO **12/31/2016**

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Oxygen, dissolved (DO) 00300 1 0 Effluent Gross	SAMPLE MEASUREMENT	***	***	mg/l	8.36	***	***	mg/l		5 Days Every Week	GRAB
	PERMIT REQUIREMENT	***	***	mg/l	5 MINIMUM	***	***	mg/l		5 Days Every Week	GRAB
BOD, 5-day, 20 deg. C 00310 1 0 Effluent Gross	SAMPLE MEASUREMENT	4.7	5.0	kg/day	***	2	3	mg/l		2 Days Every Week	Composite
	PERMIT REQUIREMENT	51 JAN-APR 25 MAY-NOV 51 DEC	63 JAN-APR 32 MAY-NOV 63 DEC	kg/day	***	20 JAN-APR 10 MAY-NOV 20-Dec	30JAN-APR 15 MAY-NOV 30-Dec	mg/l		2 Days Every Week	Composite
BOD, 5-day, 20 deg. C 00310 G 0 Raw Sewage Influent	SAMPLE MEASUREMENT	270	420	kg/day	***	123	188	mg/l		2 Days Every Week	Composite
	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. WKLY AVG	kg/day	***	Req. Mon. MO AVG	Req. Mon. WKLY AVG	mg/l		2 Days Every Week	Composite
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	***	***	***	6.3	***	7.4	su		5 Days Every Week	GRAB
	PERMIT REQUIREMENT	***	***	***	6 MINIMUM	***	8.5 MAXIMUM	su		5 Days Every Week	GRAB
Total Suspended Solids 00530 1 0 Effluent Gross	SAMPLE MEASUREMENT	3	5	kg/day	***	1	2	mg/l		2 Days Every Week	Composite
	PERMIT REQUIREMENT	76 MO AVG	95 WKLY AVG	kg/day	***	30 MO AVG	45 WKLY AVG	mg/l		2 Days Every Week	Composite
Total Suspended Solids 00530 G 0 Raw Sewage Influent	SAMPLE MEASUREMENT	224	331	kg/day	***	103	185	mg/l		2 Days Every Week	Composite
	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. WKLY AVG	kg/day	***	Req. Mon. MO AVG	Req. Mon. WKLY AVG	mg/l		2 Days Every Week	Composite
Nitrogen, Ammonia Total (asN) Effluent 00610 1 0	SAMPLE MEASUREMENT	0.030	0.157	kg/day	***	0.015	0.125	mg/l		2 Days Every Week	Composite
	PERMIT REQUIREMENT	25 JAN-APR 5 MAY-NOV 25-Dec	32 JAN-APR 6 MAY-NOV 32 DEC	kg/day	***	10 JAN-APR 2 MAY-NOV 10-Dec	15 JAN-APR 3 MAY-NOV 15-Dec	mg/l		2 Days Every Week	Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 Trey Pearson FOR Larry Douglas	TELEPHONE		DATE
LARRY DOUGLAS OPERATOR			912-449-0999	1/12/2017	
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	MM/DD/YYYY	

(Include Facility Name/Location if different)

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

NAME City of Lyons
 ADDRESS 161 NE Broad Street
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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				
Flow, in conduit or thru treatment plant 50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	0.55	0.634	mgd	***	***	***	***		5 Days Every Week	Continuous	
	PERMIT REQUIREMENT	0.67 MO AVG	0.838 WKLY AVG	mgd	***	***	***	***		5 Days Every Week	Continuous	
Chlorine, total residual 50060 1 0 CWL Effluent Gross	SAMPLE MEASUREMENT	***	***	***	***	***	0.000	mg/l		2 Days Every Week	GRAB	
	PERMIT REQUIREMENT	***	***	***	***	***	0.022 DAILY MAX	mg/l		2 Days Every Week	GRAB	
Coliform, Fecal General 74055 1 0 Effluent Gross	SAMPLE MEASUREMENT	***	***	***	***	1	1	mpn/100 ml		1 Day Every Week	GRAB	
	PERMIT REQUIREMENT	***	***	***	***	200 MO GEO	400 WKLY GEO	mpn/100 ml		1 Day Every Week	GRAB	
Solids, sludge, tot, dry weight 78477 S 0 See Comments	SAMPLE MEASUREMENT	0.00	***	Dry Ton	***	***	***	***		MONTHLY	CALCTD	
	PERMIT REQUIREMENT	Opt. Mon. MO TOTAL	***	Dry Ton	***	***	***	***		MONTHLY	CALCTD	
BOD, 5-Day, Percent Removal Removal 81010 K 0	SAMPLE MEASUREMENT	***	***	***	98	***	***	%		MONTHLY	CALCTD	
	PERMIT REQUIREMENT	***	***	***	85 MN % RMV	***	***	%		MONTHLY	CALCTD	
Solids, Suspended Percent Removal Removal 81011 K 0	SAMPLE MEASUREMENT	***	***	***	99	***	***	%		MONTHLY	CALCTD	
	PERMIT REQUIREMENT	***	***	***	85 MN % RMV	***	***	%		MONTHLY	CALCTD	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.				TELEPHONE		DATE				
LARRY DOUGLAS OPERATOR						 Trey Pearson FOR Larry Douglas		912-449-0999		1/12/2017		
TYPED OR PRINTED						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	MM/DD/YYYY		

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

PERMIT NUMBER	MONITORING PERIOD		
GA0033405	MM/DD/YYYY	TO	MM/DD/YYYY
	12/1/2016		12/31/2016

	pH		TSS INFLUENT			TSS EFFLUENT				CHLORINE	FECAL C
Avg. Wkly Effluent	Monthly Effluent	Monthly Influent	Avg. Wkly. Influent	Monthly Influent	Avg. Wkly. Influent	Monthly Effluent	Avg. Wkly. Effluent	Monthly Effluent	Avg. Wkly. Effluent	Monthly Effluent	Monthly Effluent
LOADING	CONC	CONC	CONC	LOADING	LOADING	CONC	CONC	LOADING	LOADING	CONC	CONC
	6.62									0.00	
	6.50	94.0		116.45		1.80		2.23		0.00	
	7.01	276		348.20		1.10		1.39		0.00	1.0
	7.29									0.00	
	7.35										
3.37			185.00		232.32		1.45		1.81		
	7.29									0.00	
	7.00	66.0		188.60		0.700		2.00		0.00	
	7.13	232		473.42		4.10		8.37		0.00	
	7.00									0.00	1.0
	6.84									0.00	
4.96			149.00		331.01		2.40		5.18		
	6.28									0.00	
	6.52	56.0		118.10		2.00		4.22		0.00	1.0
	6.48	64.0		160.03		1.00		2.50		0.00	
	6.44									0.00	
	6.60									0.00	
4.14			60.00		139.06		1.50		3.36		
	6.32									0.00	
	6.54	66.0		151.73		0.700		1.61		0.00	1.0
	6.70	203		468.24		0.600		1.38		0.00	
	6.84									0.00	
	6.77									0.00	
5.00			134.50		309.99		0.65		1.50		
	7.01									0.00	
	6.86	76.0		129.09		0.600		1.02		0.00	1.0
	6.79	57.0		106.13		1.30		2.42		0.00	
	6.71									0.00	
	6.79									0.00	
4.86			66.50		117.61		0.95		1.72		
LOADING		INF Concentration		INF LOADING		EFF Concentration		EFF LOADING			EFF Conc
WKLY BOD	pH	MO.INF TSS	WKLY TSS	MO. TSS	WKLY TSS	MO.EFF TSS	WKLY TSS	MO. TSS	WKLY TSS	EFF Chlorine	MO. Fecal
4.5	***	103	119	224	226	1	1	3	2.7	0.00	1
5.0	7.35	232	185	473	331	4	2	8	5	0.00	
3.4	6.28	56	60	106	118	1	1	1	1.5	0.00	1.0000
135	6					20	30	72	90	0.5	200
	9									max	400
202.5						30	45	108	135		(1 = <2)

FACILITY

Lyons East Plant

PERMIT NUMBER	MONITORING PERIOD		
GA0033405	MM/DD/YYYY	TO	MM/DD/YYYY
	12/1/2016		12/31/2016

OLIFORM	FECAL COLIFORM		BOD REMOVAL		TSS REMOVAL		AMMONIA EFFLUENT				SLUDGE
Avg. Wkly. Effluent	Monthly Effluent	Avg. Wkly. Effluent	Monthly Effluent	Avg. Wkly. Effluent	Monthly Effluent	Avg. Wkly. Effluent	Monthly Effluent	Avg. Wkly. Effluent	Monthly Effluent	Avg. Wkly. Effluent	
CONC	LOG	LOG	%	%	%	%	CONC	CONC	LOADING	LOADING	Sludge
			99		98		0.026		0.03		
	0.0000		98		100		0.223		0.28		
1		0.00		99		99		0.12		0.16	
			98		99		0.0170		0.05		
			99		98		0.0210		0.04		
	0.0000										
1		0.00		98		99		0.02		0.05	
			98		96		0.000		0.00		
	0.0000		98		98		0.001		0.00		
1		0.00		98		97		0.00		0.00	
			98		99		0.000		0.00		
	0.0000		99		100		0.014		0.03		
1		0.00		98		99		0.01		0.02	
			97		99		0.042		0.07		
	0.0000		95		98		0.024		0.04		
1		0.00		96		98		0.03		0.06	
											0.00
Concentration			BOD Removal		TSS Removal		EFF Concentration		EFF LOADING		
Wkly Fecal	Fecal LOG	Fecal LOG	MO. BOD	Wkly BOD	MO. TSS	Wkly TSS	MO. NH3	WKLY NH3	MO. NH3	WKLY NH3	Sludge
	0.0000	0.0000	98	98	99	99	0.01	0.04	0.03	0.06	0.00
1	0.0000	0.0000	99	99	98	99	0.04	0.12	0.07	0.16	0.00
	0.0000		98	96	99	97	0.00	0.00	0.00	0.00	0.00
			85		85		17.4		62.7		
							26.1		78.3		