

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

GA0033391
PERMIT NUMBER

000-1
DISCHARGE NUMBER


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

MONITORING PERIOD

MM/DD/YYYY TO MM/DD/YYYY

9/1/2015 TO **9/30/2015**

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	SAMPLE MEASUREMENT	***	***	***	6.23	***	***	mg/l		5 Days Every Week	GRAB
	PERMIT REQUIREMENT	***	***	***	2.0 FEB-MAR 5.0 APR-JUN 6.0 JUL-SEP 5.0 OCT-JAN	***	***	mg/l		5 Days Every Week	GRAB
Effluent Gross											
BOD, 5-day, 20 deg. C 00310 1 0	SAMPLE MEASUREMENT	4.3	4.7	kg/day	***	3.3	3.5	mg/l		2 Days Every Week	Composite
	PERMIT REQUIREMENT	13 JUN-SEP 19 OCT-NOV 25-Dec	16 JUN-SEP 24 OCT-NOV 32 DEC	kg/day	***	5 JUN-SEP 7.5 OCT-NOV 10-Dec	7.5 JUN-SEP 11.3 OCT-NOV 15-Dec	mg/l		2 Days Every Week	Composite
Effluent Gross											
BOD, 5-day, 20 deg. C 00310 G 0	SAMPLE MEASUREMENT	359	420	kg/day	***	267	262	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
Raw Sewage Influent											
Total Suspended Solids 00530 1 0	SAMPLE MEASUREMENT	6	6	kg/day	***	4	5	mg/l		2 Days Every Week	Composite
	PERMIT REQUIREMENT	72 MO AVG	90 WKLY AVG	kg/day	***	20 MO AVG	30 WKLY AVG	mg/l		2 Days Every Week	Composite
Effluent Gross											
Total Suspended Solids 00530 G 0	SAMPLE MEASUREMENT	350	830	kg/day	***	269	524	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
Raw Sewage Influent											
Nitrogen, Ammonia Total (asN) Effluent 00610 1 0	SAMPLE MEASUREMENT	0.30	0.47	kg/day	***	0.25	0.49	mg/l		2 Days Every Week	Composite
	PERMIT REQUIREMENT	2.5 JUN-SEP 4-Oct 6-Nov 13-Dec	3.2 JUN-SEP 5-Oct 8-Nov 16-Dec	kg/day	***	1 JUN-SEP 1.5 OCT 2.5 NOV 5-Dec	1.5 JUN-SEP 2.3 OCT 3.8 NOV 7.5 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					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			912-449-0999	10/5/2015		
TYPED OR PRINTED								AREA CODE	NUMBER	MM/DD/YYYY	

(Include Facility Name/Location if different)

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

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		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				
Flow, in conduit or thru treatment plant 50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	0.33	0.405	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	***	***	***	***	***	0.01	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	***	***	***	***	3	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	***	***	***	99	***	***	%		MONTHLY	CALCTD	
	PERMIT REQUIREMENT	***	***	***	85 MN % RMV	***	***	%		MONTHLY	CALCTD	
Solids, Suspended Percent Removal Removal 81011 K 0	SAMPLE MEASUREMENT	***	***	***	98	***	***	%		MONTHLY	CALCTD	
	PERMIT REQUIREMENT	***	***	***	85 MN % RMV	***	***	%		MONTHLY	CALCTD	
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	***	***	***	6.6	***	7.6	su		5 Days Every Week	GRAB	
	PERMIT REQUIREMENT	***	***	***	6 MINIMUM	***	8.5 MAXIMUM	su		5 Days Every Week	GRAB	
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		10/5/2015	
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)
NOTE: FECAL COLIFORM OF <2 mpn/100 ml is indicated by "1"

FACILITY

Lyons North Plant

PERMIT NUMBER	MONITORING PERIOD		
GA0033391	MM/DD/YYYY	TO	MM/DD/YYYY
	9/1/2015		9/30/2015

	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
	7.60									0.01	
	7.05	223		250.83		2.50		2.81		0.00	1.0
	7.55	395		475.82		5.30		6.38		0.00	
	7.47									0.00	
	7.10									0.00	
4.13			309.00		363.32		3.90		4.60		
	7.11									0.00	
	7.06	512		451.38		2.00		1.76		0.01	1.0
	6.88	156		153.54		2.90		2.85		0.00	
	6.91									0.00	
	7.06									0.00	
2.92			334.00		302.46		2.45		2.31		
	7.23									0.01	
	7.15	482		710.66		2.30		3.39		0.00	1.0
	7.35	566		948.50		1.90		3.18		0.00	
	7.26									0.00	
	7.54									0.00	
4.16			524.00		829.58		2.10		3.29		
	7.25									0.00	
	7.05	94.0		106.45		3.30		3.74		0.00	
	7.15	132		196.13		5.80		8.62		0.00	1.0
	6.90									0.00	
	6.56									0.00	
4.71			113.00		151.29		4.55		6.18		
	6.59									0.00	
	6.55	84.0		122.89		6.20		9.07		0.01	
	6.84	49.0		79.88		12.6		20.54		0.00	200.5

LOADING		INF Concentration		INF LOADING		EFF Concentration		EFF LOADING			EFF Conc
WKLY		MO.INF	WKLY	MO.	WKLY	MO.EFF	WKLY	MO.	WKLY	EFF	MO.
BOD	pH	TSS	TSS	TSS	TSS	TSS	TSS	TSS	TSS	Chlorine	Fecal
4.0	***	269	320	350	412	4	3	6	4.1	0.00	3
4.7	7.55	566	524	949	830	13	5	21	6	0.01	
2.9	6.55	49	113	80	151	2	2	2	2.3	0.00	1
135	6					20	30	72	90	0.5	200
	9									max	400
202.5						30	45	108	135		(1 = <2)

FACILITY

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	9/1/2015		9/30/2015

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
	0.0000		98			99	0.371		0.42		
			97			99	0.264		0.32		
1		0.00		98		99		0.32		0.37	
	0.0000		99			100	0.197		0.17		
			97			98	0.781		0.77		
1		0.00		98		99		0.49		0.47	
	0.0000		98			100	0.262		0.39		
			99			100	0.133		0.22		
1		0.00		99		100		0.20		0.30	
			98			96	0.100		0.11		
	0.0000		97			96	0.075		0.11		
1		0.00		97		96		0.09		0.11	
			100			93	0.094		0.14		
	2.3021		94			74	0.243		0.40		
											0.00

Concentration			BOD Removal		TSS Removal		EFF Concentration		EFF LOADING		
Wkly	Fecal	Fecal	MO.	Wkly	MO.	Wkly	MO.	WKLY	MO.	WKLY	
Fecal	LOG	LOG	BOD	BOD	TSS	TSS	NH3	NH3	NH3	NH3	Sludge
	0.4604	0.0000	99	98	98	98	0.25	0.27	0.30	0.31	0.00
1	2.3021	0.0000	100	99	98	100	0.78	0.49	0.77	0.47	0.00
	0.0000		96	97	96	96	0.08	0.09	0.11	0.11	0.00

			85		85		17.4		62.7		
							26.1		78.3		