

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 **7/1/2015** TO **7/31/2015**

No Discharge

| PARAMETER   |                    | QUANTITY OR LOADING                       |   |        | QUALITY OR CONCENTRATION |   |  |       | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|--------------------|---|---|--------|--------------------------|---|--|-------|---------|-----------------------|-------------|
|   |                    | VALUE                                     | VALUE                                     | UNITS  | VALUE                    | VALUE                                     | VALUE                                    | UNITS |         |                       |             |
| <b>Oxygen, dissolved (DO)</b><br><b>00300 1 0</b><br><b>Effluent Gross</b>      | SAMPLE MEASUREMENT | ***                                       | ***                                       | mg/l   | <b>5.03</b>              | ***                                       | ***                                      | mg/l  |         | 5 Days Every Week     | GRAB        |
|   | PERMIT REQUIREMENT | ***                                       | ***                                       | mg/l   | <b>5 MINIMUM</b>         | ***                                       | ***                                      | mg/l  |         | 5 Days Every Week     | GRAB        |
| <b>BOD, 5-day, 20 deg. C</b><br><b>00310 1 0</b><br><b>Effluent Gross</b>       | SAMPLE MEASUREMENT | <b>2.1</b>                                | <b>2.8</b>                                | kg/day | ***                      | <b>2</b>                                  | <b>2</b>                                 | mg/l  |         | 2 Days Every Week     | Composite   |
|   | PERMIT REQUIREMENT | 51 JAN-APR<br><b>25 MAY-NOV</b><br>51 DEC | 63 JAN-APR<br><b>32 MAY-NOV</b><br>63 DEC | kg/day | ***                      | 20 JAN-APR<br><b>10 MAY-NOV</b><br>20-Dec | 30JAN-APR<br><b>15 MAY-NOV</b><br>30-Dec | mg/l  |         | 2 Days Every Week     | Composite   |
| <b>BOD, 5-day, 20 deg. C</b><br><b>00310 G 0</b><br><b>Raw Sewage Influent</b>  | SAMPLE MEASUREMENT | <b>244</b>                                | <b>279</b>                                | kg/day | ***                      | <b>208</b>                                | <b>254</b>                               | mg/l  |         | 2 Days Every Week     | Composite   |
|   | PERMIT REQUIREMENT | <b>Req. Mon. MO AVG</b>                   | <b>Req. Mon. WKLY AVG</b>                 | kg/day | ***                      | <b>Req. Mon. MO AVG</b>                   | <b>Req. Mon. WKLY AVG</b>                | mg/l  |         | 2 Days Every Week     | Composite   |
| <b>pH</b><br><b>00400 1 0</b><br><b>Effluent Gross</b>                          | SAMPLE MEASUREMENT | ***                                       | ***                                       | ***    | <b>6.9</b>               | ***                                       | <b>7.7</b>                               | su    |         | 5 Days Every Week     | GRAB        |
|   | PERMIT REQUIREMENT | ***                                       | ***                                       | ***    | <b>6 MINIMUM</b>         | ***                                       | <b>8.5 MAXIMUM</b>                       | su    |         | 5 Days Every Week     | GRAB        |
| <b>Total Suspended Solids</b><br><b>00530 1 0</b><br><b>Effluent Gross</b>      | SAMPLE MEASUREMENT | <b>1</b>                                  | <b>2</b>                                  | kg/day | ***                      | <b>1</b>                                  | <b>2</b>                                 | mg/l  |         | 2 Days Every Week     | Composite   |
|   | PERMIT REQUIREMENT | <b>76 MO AVG</b>                          | <b>95 WKLY AVG</b>                        | kg/day | ***                      | <b>30 MO AVG</b>                          | <b>45 WKLY AVG</b>                       | mg/l  |         | 2 Days Every Week     | Composite   |
| <b>Total Suspended Solids</b><br><b>00530 G 0</b><br><b>Raw Sewage Influent</b> | SAMPLE MEASUREMENT | <b>238</b>                                | <b>261</b>                                | kg/day | ***                      | <b>203</b>                                | <b>218</b>                               | mg/l  |         | 2 Days Every Week     | Composite   |
|   | PERMIT REQUIREMENT | <b>Req. Mon. MO AVG</b>                   | <b>Req. Mon. WKLY AVG</b>                 | kg/day | ***                      | <b>Req. Mon. MO AVG</b>                   | <b>Req. Mon. WKLY AVG</b>                | mg/l  |         | 2 Days Every Week     | Composite   |
| <b>Nitrogen, Ammonia Total (asN)</b><br><b>Effluent</b><br><b>00610 1 0</b>     | SAMPLE MEASUREMENT | <b>2</b>                                  | <b>2</b>                                  | kg/day | ***                      | <b>1</b>                                  | <b>2</b>                                 | mg/l  |         | 2 Days Every Week     | Composite   |
|   | PERMIT REQUIREMENT | 25 JAN-APR<br><b>5 MAY-NOV</b><br>25-Dec  | 32 JAN-APR<br><b>6 MAY-NOV</b><br>32 DEC  | kg/day | ***                      | 10 JAN-APR<br><b>2 MAY-NOV</b><br>10-Dec  | 15 JAN-APR<br><b>3 MAY-NOV</b><br>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. | <br><b>Trey Pearson</b><br><b>FOR Larry Douglas</b> | TELEPHONE    | DATE             |
| <b>LARRY DOUGLAS</b><br><b>OPERATOR</b> |   |  | 912-449-0999 | <b>8/13/2015</b> |
| 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  
Lyons, GA 30436  
 FACILITY Lyons East Plant  
 LOCATION Lyons, GA 30436


**GA0033405**  
 PERMIT NUMBER

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

**MONITORING PERIOD**  
 MM/DD/YYYY TO MM/DD/YYYY  
**7/1/2015** TO **7/31/2015**

No Discharge

| PARAMETER  |                    | QUANTITY OR LOADING   |                                 |         | QUALITY OR CONCENTRATION     |  |                                  |              | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|--|--------------------|---|---------------------------------|---------|------------------------------|--|----------------------------------|--------------|---------|-----------------------|-------------|
|  |                    | VALUE   | VALUE                           | UNITS   | VALUE                        | VALUE  | VALUE                            | UNITS        |         |                       |             |
| <b>Flow, in conduit or thru treatment plant</b><br><br><b>50050 1 0</b><br><b>Effluent Gross</b> | SAMPLE MEASUREMENT | <b>0.32</b>   | <b>0.336</b>                    | mgd     | ***                          | ***  | ***                              | ***          |         | 5 Days Every Week     | Continuous  |
|  | PERMIT REQUIREMENT | <b>0.67</b><br><b>MO AVG</b>  | <b>0.838</b><br><b>WKLY AVG</b> | mgd     | ***                          | ***  | ***                              | ***          |         | 5 Days Every Week     | Continuous  |
| <b>Chlorine, total residual</b><br><br><b>50060 1 0</b><br><b>CWL Effluent Gross</b>             | SAMPLE MEASUREMENT | ***   | ***                             | ***     | ***                          | ***  | <b>0.010</b>                     | mg/l         |         | 2 Days Every Week     | GRAB        |
|  | PERMIT REQUIREMENT | ***   | ***                             | ***     | ***                          | ***  | <b>0.022</b><br><b>DAILY MAX</b> | mg/l         |         | 2 Days Every Week     | GRAB        |
| <b>Coliform, Fecal General</b><br><br><b>74055 1 0</b><br><b>Effluent Gross</b>                  | SAMPLE MEASUREMENT | ***   | ***                             | ***     | ***                          | <b>1</b>   | <b>1</b>                         | mpn/100 ml   |         | 1 Day Every Week      | GRAB        |
|  | PERMIT REQUIREMENT | ***   | ***                             | ***     | ***                          | <b>200</b><br><b>MO GEO</b>  | <b>400</b><br><b>WKLY GEO</b>    | mpn/100 ml   |         | 1 Day Every Week      | GRAB        |
| <b>Solids, sludge, tot, dry weight</b><br><br><b>78477 S 0</b><br><b>See Comments</b>            | SAMPLE MEASUREMENT | <b>0.00</b>   | ***                             | Dry Ton | ***                          | ***  | ***                              | ***          |         | MONTHLY               | CALCTD      |
|  | PERMIT REQUIREMENT | <b>Opt. Mon.</b><br><b>MO TOTAL</b>   | ***                             | Dry Ton | ***                          | ***  | ***                              | ***          |         | MONTHLY               | CALCTD      |
| <b>BOD, 5-Day, Percent Removal</b><br><br><b>Removal</b><br><b>81010 K 0</b>                     | SAMPLE MEASUREMENT | ***   | ***                             | ***     | <b>99</b>                    | ***  | ***                              | %            |         | MONTHLY               | CALCTD      |
|  | PERMIT REQUIREMENT | ***   | ***                             | ***     | <b>85</b><br><b>MN % RMV</b> | ***  | ***                              | %            |         | MONTHLY               | CALCTD      |
| <b>Solids, Suspended Percent Removal</b><br><br><b>Removal</b><br><b>81011 K 0</b>               | SAMPLE MEASUREMENT | ***   | ***                             | ***     | <b>99</b>                    | ***  | ***                              | %            |         | MONTHLY               | CALCTD      |
|  | PERMIT REQUIREMENT | ***   | ***                             | ***     | <b>85</b><br><b>MN % RMV</b> | ***  | ***                              | %            |         | 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         |         |                       |             |
| <b>LARRY DOUGLAS</b><br><br><b>OPERATOR</b>  |                    |   |                                 |         |                              | <br><b>Trey Pearson</b><br><b>FOR Larry Douglas</b> |                                  | 912-449-0999 |         | <b>8/13/2015</b>      |             |
| 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 East Plant**

|                  |                   |    |                  |
|------------------|-------------------|----|------------------|
| PERMIT NUMBER    | MONITORING PERIOD |    |                  |
| <b>GA0033405</b> | MM/DD/YYYY        | TO | MM/DD/YYYY       |
|                  | <b>7/1/2015</b>   |    | <b>7/31/2015</b> |

|                    | 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             |
|                    | 7.73             |                          |                     |                    |                     |                          |                     |                    |                     | 0.01                |                  |
|                    | 7.66             | 118                      |                     | 149.77             |                     | 0.20                     |                     | 0.25               |                     | 0.00                |                  |
|                    | 7.66             | 270                      |                     | 262.7              |                     | 0.70                     |                     | 0.68               |                     | 0.01                | 1.0              |
|                    | 7.67             |                          |                     |                    |                     |                          |                     |                    |                     | 0.00                |                  |
|                    | 7.63             |                          |                     |                    |                     |                          |                     |                    |                     | 0.00                |                  |
| <b>2.34</b>        |                  |                          | <b>194.00</b>       |                    | <b>206.21</b>       |                          | <b>0.45</b>         |                    | <b>0.47</b>         |                     |                  |
|                    | 7.54             |                          |                     |                    |                     |                          |                     |                    |                     | 0.00                |                  |
|                    | 7.61             | 248                      |                     | 275.18             |                     | 0.700                    |                     | 0.78               |                     | 0.00                |                  |
|                    | 7.71             | 187                      |                     | 225.97             |                     | 0.900                    |                     | 1.09               |                     | 0.01                | 1.0              |
|                    | 7.69             |                          |                     |                    |                     |                          |                     |                    |                     | 0.01                |                  |
|                    | 7.62             |                          |                     |                    |                     |                          |                     |                    |                     | 0.00                |                  |
| <b>2.79</b>        |                  |                          | <b>217.50</b>       |                    | <b>250.58</b>       |                          | <b>0.80</b>         |                    | <b>0.93</b>         |                     |                  |
|                    | 7.61             |                          |                     |                    |                     |                          |                     |                    |                     | 0.01                |                  |
|                    | 7.61             | 184                      |                     | 212.56             |                     | 1.70                     |                     | 1.96               |                     | 0.00                |                  |
|                    | 7.66             | 160                      |                     | 207.94             |                     | 1.10                     |                     | 1.43               |                     | 0.00                | 1.0              |
|                    | 7.65             |                          |                     |                    |                     |                          |                     |                    |                     | 0.00                |                  |
|                    | 7.29             |                          |                     |                    |                     |                          |                     |                    |                     | 0.00                |                  |
| <b>2.18</b>        |                  |                          | <b>172.00</b>       |                    | <b>210.25</b>       |                          | <b>1.40</b>         |                    | <b>1.70</b>         |                     |                  |
|                    | 7.64             |                          |                     |                    |                     |                          |                     |                    |                     | 0.01                |                  |
|                    | 7.65             | 214                      |                     | 283.81             |                     | 1.40                     |                     | 1.86               |                     | 0.01                |                  |
|                    | 7.65             | 192                      |                     | 237.85             |                     | 1.60                     |                     | 1.98               |                     | 0.01                | 1.0              |
|                    | 6.93             |                          |                     |                    |                     |                          |                     |                    |                     | 0.01                |                  |
|                    | 7.21             |                          |                     |                    |                     |                          |                     |                    |                     | 0.00                |                  |
| <b>2.12</b>        |                  |                          | <b>203.00</b>       |                    | <b>260.83</b>       |                          | <b>1.50</b>         |                    | <b>1.92</b>         |                     |                  |
|                    | 7.58             |                          |                     |                    |                     |                          |                     |                    |                     | 0.01                |                  |
|                    | 7.39             | 254                      |                     | 288.59             |                     | 0.900                    |                     | 1.02               |                     | 0.00                | 1.0              |
|                    | 7.55             | 122                      |                     | 151.13             |                     | 1.30                     |                     | 1.61               |                     | 0.01                |                  |
|                    | 7.74             |                          |                     |                    |                     |                          |                     |                    |                     | 0.01                |                  |
|                    | 7.25             |                          |                     |                    |                     |                          |                     |                    |                     | 0.00                |                  |
|                    |                  |                          |                     |                    |                     |                          |                     |                    |                     |                     |                  |
|                    |                  |                          |                     |                    |                     |                          |                     |                    |                     |                     |                  |
| <b>LOADING</b>     |                  | <b>INF Concentration</b> |                     | <b>INF LOADING</b> |                     | <b>EFF Concentration</b> |                     | <b>EFF LOADING</b> |                     |                     | <b>EFF Conc</b>  |
| <b>WKLY BOD</b>    | <b>pH</b>        | <b>MO.INF TSS</b>        | <b>WKLY TSS</b>     | <b>MO. TSS</b>     | <b>WKLY TSS</b>     | <b>MO.EFF TSS</b>        | <b>WKLY TSS</b>     | <b>MO. TSS</b>     | <b>WKLY TSS</b>     | <b>EFF Chlorine</b> | <b>MO. Fecal</b> |
| 2.4                | ***              | 203                      | 197                 | 238                | 232                 | 1                        | 1                   | 1                  | 1.3                 | 0.00                | 1                |
| 2.8                | 7.74             | 270                      | 218                 | 289                | 261                 | 2                        | 2                   | 2                  | 2                   | 0.01                |                  |
| 2.1                | 6.93             | 122                      | 172                 | 151                | 206                 | 1                        | 0                   | 1                  | 0.5                 | 0.00                | 1                |
| 135                | 6<br>9           |                          |                     |                    |                     | 20                       | 30                  | 72                 | 90                  | 0.5<br>max          | 200<br>400       |
| 202.5              |                  |                          |                     |                    |                     | 30                       | 45                  | 108                | 135                 |                     | (1 = <2)         |

FACILITY

**Lyons East Plant**

| PERMIT NUMBER    | MONITORING PERIOD |    |                  |
|------------------|-------------------|----|------------------|
| <b>GA0033405</b> | MM/DD/YYYY        | TO | MM/DD/YYYY       |
|                  | <b>7/1/2015</b>   |    | <b>7/31/2015</b> |

| 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               |                     | 100              |                     | 3.76              |                     | 4.77             |                     |        |
|                     | 0.0000           |                     | 100              |                     | 100              |                     | 0.088             |                     | 0.09             |                     |        |
|                     |                  |                     |                  |                     |                  |                     |                   |                     |                  |                     |        |
| <b>1</b>            |                  | <b>0.00</b>         |                  | <b>99</b>           |                  | <b>100</b>          |                   | <b>1.92</b>         |                  | <b>2.43</b>         |        |
|                     |                  |                     |                  |                     |                  |                     |                   |                     |                  |                     |        |
|                     |                  |                     | 99               |                     | 100              |                     | 1.25              |                     | 1.39             |                     |        |
|                     | 0.0000           |                     | 99               |                     | 100              |                     | 0.755             |                     | 0.91             |                     |        |
|                     |                  |                     |                  |                     |                  |                     |                   |                     |                  |                     |        |
| <b>1</b>            |                  | <b>0.00</b>         |                  | <b>99</b>           |                  | <b>100</b>          |                   | <b>1.00</b>         |                  | <b>1.15</b>         |        |
|                     |                  |                     |                  |                     |                  |                     |                   |                     |                  |                     |        |
|                     |                  |                     | 98               |                     | 99               |                     | 0.100             |                     | 0.12             |                     |        |
|                     | 0.0000           |                     | 99               |                     | 99               |                     | 0.165             |                     | 0.21             |                     |        |
|                     |                  |                     |                  |                     |                  |                     |                   |                     |                  |                     |        |
| <b>1</b>            |                  | <b>0.00</b>         |                  | <b>99</b>           |                  | <b>99</b>           |                   | <b>0.13</b>         |                  | <b>0.16</b>         |        |
|                     |                  |                     |                  |                     |                  |                     |                   |                     |                  |                     |        |
|                     |                  |                     | 99               |                     | 99               |                     | 1.90              |                     | 2.52             |                     |        |
|                     | 0.0000           |                     | 100              |                     | 99               |                     | 1.71              |                     | 2.12             |                     |        |
|                     |                  |                     |                  |                     |                  |                     |                   |                     |                  |                     |        |
| <b>1</b>            |                  | <b>0.00</b>         |                  | <b>99</b>           |                  | <b>99</b>           |                   | <b>1.81</b>         |                  | <b>2.32</b>         |        |
|                     |                  |                     |                  |                     |                  |                     |                   |                     |                  |                     |        |
|                     | 0.0000           |                     | 99               |                     | 100              |                     | 1.01              |                     | 1.15             |                     |        |
|                     |                  |                     | 99               |                     | 99               |                     | 4.070             |                     | 5.04             |                     |        |
|                     |                  |                     |                  |                     |                  |                     |                   |                     |                  |                     |        |
|                     |                  |                     |                  |                     |                  |                     |                   |                     |                  |                     | 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              | 99               | 99                  | 99               | 99                  | 1.23              | 1.22                | 1.50             | 1.52                | 0.00   |
| <b>1</b>            | 0.0000           | 0.0000              | 99               | 99                  | 99               | 100                 | 4.07              | 1.92                | 5.04             | 2.43                | 0.00   |
|                     | 0.0000           |                     | 99               | 99                  | 99               | 99                  | 0.09              | 0.13                | 0.09             | 0.16                | 0.00   |
|                     |                  |                     | 85               |                     | 85               |                     | 17.4              |                     | 62.7             |                     |        |
|                     |                  |                     |                  |                     |                  |                     | 26.1              |                     | 78.3             |                     |        |