

DMR Copy of Record

| | | | | | |
|--------------------|-------------------------|--------------------|--|--------------------|---|
| Permit | | | | | |
| Permit #: | CO0032999 | Permittee: | Littleton/Englewood Cities of | Facility: | LITTLETON/ENGLEWOOD, CITIES OF |
| Major: | Yes | Permittee Address: | 2900 S Platte Rver Dr Englewood, CO 80110 | Facility Location: | 2900 SOUTH PLATTE RIVER DR ENGLEWOOD, CO 80110 |
| Permitted Feature: | 001 External Outfall | Discharge: | 001-A Discharge to S Platte River <34 MGD | | |

| | | | | | |
|----------------------------------|---------------------------|---------------|----------|---------|------------------|
| Report Dates & Status | | | | | |
| Monitoring Period: | From 07/01/16 to 07/31/16 | DMR Due Date: | 08/28/16 | Status: | NetDMR Validated |

Considerations for Form Completion
 Oil and grease - see I.A.1, pg 2. If no chlorine was used, report "NCT" (no chlorine treatment). Antidegradation limits - see I.C.1, pg 19. Report influent samples on DMR marked 300I.

| | | | | | |
|------------------------------------|--|--------|--|------------|--|
| Principal Executive Officer | | | | | |
| First Name: | | Title: | | Telephone: | |
| Last Name: | | | | | |

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 | |
| 00010 | Temperature, water deg. centigrade | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 21.9 | | = | 22.8 | 04 - deg C | 99/99 - Continuous | RC - Recorder (auto) | | |
| | | | | | Permit Req. | | | | | | | | | | | | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00154 | Sulfate [as S] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 160 | | | | 19 - mg/L | 01/01 - Daily | CP - COMPOS | | |
| | | | | | Permit Req. | | | | | | | | | | | | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | = | 7.4 | 12 - SU | 05/WK - Five Per Week | GR - GRAB | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | <= | 9 MAXIMUM | 12 - SU | 05/WK - Five Per Week | GR - GRAB | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 2 | | = | 2 | 19 - mg/L | 01/01 - Daily | CP - COMPOS | | |
| | | | | | Permit Req. | | | | | | | <= | 30 30DA AVG | | <= | 45 MX 7D AV | 19 - mg/L | 02/07 - Twice Every Week | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00610 | Nitrogen, ammonia total [as N] | 1 - Effluent Gross | 7 | -- | Sample | | | | | | = | 1.4 | | = | 2.8 | 19 - mg/L | 01/01 - Daily | CP - COMPOS | | |
| | | | | | Permit Req. | | | | | | | <= | 4.4 30DA AVG | | <= | 32 DAILY MX | 19 - mg/L | 01/01 - Daily | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00615 | Nitrogen, nitrite total [as N] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | = | 0.25 | 19 - mg/L | 01/01 - Daily | CP - COMPOS | | |
| | | | | | Permit Req. | | | | | | | | | | | | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00620 | Nitrogen, nitrate total [as N] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | = | 20.2 | 19 - mg/L | 01/01 - Daily | CP - COMPOS | | |
| | | | | | Permit Req. | | | | | | | | | | | | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00640 | Nitrogen, inorganic total | 1 - Effluent Gross | 7 | -- | Sample | | | = | 4313 | 26 - lb/d | | | | = | 23 | 19 - mg/L | 01/01 - Daily | CP - COMPOS | | |
| | | | | | Permit Req. | | | <= | 11984 DAILY MX | 26 - lb/d | | | <= | 42.2 DAILY MX | 19 - mg/L | 01/01 - Daily | CP - COMPOS | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00718 | Cyanide, weak acid, dissociable | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | <= | 6.2 DAILY MX | 28 - ug/L | 01/07 - Weekly | CP - COMPOS | | |
| | | | | | Permit Req. | | | | | | | | | | | | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01046 | Iron, dissolved [as Fe] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 86 | | | | 28 - ug/L | 01/07 - Weekly | CP - COMPOS | | |
| | | | | | Permit Req. | | | | | | | <= | 300 30DA AVG | | | | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | | | | | | | = | 2.15 | | = | 3.5 | 28 - ug/L | 01/07 - Weekly | CP - COMPOS | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|--|---------------------|---|----|-------------|----|-------------|---|------|--|------------------|--|--|--|--|----|--------------|--|------------------|----------------|--------------|--------------|-------------------------|-------------------------|--------------------------|----------------------|
| 01323 | Selenium, potentially dissolved | 1 - Effluent Gross | 0 | -- | Permit Req. | | | | | | | | | | | <= | 4.6 30DA AVG | | Req Mon DAILY MX | | 28 - ug/L | | 02/30 - Twice Per Month | CP - COMPOS | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | | | | = | 2.01 | | | | 28 - ug/L | | 02/30 - Twice Per Month | CP - COMPOS | | |
| 01323 | Selenium, potentially dissolved | P - See Comments | 0 | -- | Permit Req. | | | | | | | | | | | | | | | | 28 - ug/L | | 02/30 - Twice Per Month | CP - COMPOS | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | | | | | | | | | | | | | | |
| 03582 | Oil and grease | 1 - Effluent Gross | 0 | -- | Permit Req. | | | | | | | | | | | | | | <= | 10 INST MAX | | 19 - mg/L | | 77/77 - Contingent | GR - GRAB | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | | | | | | | | = | 12.2 | | 28 - ug/L | | 01/07 - Weekly | CP - COMPOS |
| 22708 | Uranium, natural, total | 1 - Effluent Gross | 0 | -- | Permit Req. | | | | | | | | | | | | | | | | | 28 - ug/L | | 01/07 - Weekly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | | | | | | | | = | 9.75 | | 28 - ug/L | | 02/30 - Twice Per Month | CP - COMPOS |
| 22708 | Uranium, natural, total | P - See Comments | 0 | -- | Permit Req. | | | | | | | | | | | | | | | | | 28 - ug/L | | 02/30 - Twice Per Month | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | | | | | | | | = | 2 | | 13 - #/100mL | | 01/01 - Daily | GR - GRAB |
| 31633 | E. coli, thermotol, MF, MTEC | 1 - Effluent Gross | 0 | -- | Permit Req. | | | | | | | | | | | | | | <= | 126 30DA GM | | 13 - #/100mL | 0 | 01/01 - Daily | GR - GRAB | |
| | | | | | Value NODI | | | | | | | | | | | | | | | <= | 252 MX 7D GM | | | | | |
| | | | | | Sample | = | 22.2 | = | 23.1 | | 03 - MGD | | | | | | | | | | | | | | 99/99 - Continuous | RC - Recorder (auto) |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | -- | Permit Req. | <= | 34 30DA AVG | | | | Req Mon DAILY MX | | | | | | | | | | | | 0 | 99/99 - Continuous | RC - Recorder (auto) | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | | | | | | | | | | | | | | |
| 50060 | Chlorine, total residual | 1 - Effluent Gross | 0 | -- | Permit Req. | | | | | | | | | | | | | | <= | .0027 30DA AVG | | | 19 - mg/L | | 05/WK - Five Per Week | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | | | | | | | | = | 2 | | 19 - mg/L | | 01/01 - Daily | CP - COMPOS |
| 80082 | BOD, carbonaceous [5 day, 20 C] | 1 - Effluent Gross | 0 | -- | Permit Req. | | | | | | | | | | | | | | <= | 20 30DA AVG | | | 19 - mg/L | 0 | 02/07 - Twice Every Week | CP - COMPOS |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | | | | | | | | = | 98.6 | | 23 - % | | 01/01 - Daily | CA - CALCTD |
| 80358 | BOD, carbonaceous, percent removal | K - Percent Removal | 0 | -- | Permit Req. | | | | | | | | | | | | | | | >= | 85 MO AV MN | | 23 - % | 0 | 02/07 - Twice Every Week | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | | | | | | | | = | 98.2 | | 23 - % | | 01/01 - Daily | CA - CALCTD |
| 81011 | Solids, suspended percent removal | K - Percent Removal | 0 | -- | Permit Req. | | | | | | | | | | | | | | | >= | 85 MO AV MN | | 23 - % | 0 | 02/07 - Twice Every Week | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Sample | | | = | 0 | | 9P - N=0;Y=1 | | | | | | | | | | | | | | 05/WK - Five Per Week | VI - VISUAL |
| 84066 | Oil and grease visual | 1 - Effluent Gross | 0 | -- | Permit Req. | | | | | | | | | | | | | | | | | | | | 02/07 - Twice Every Week | VI - VISUAL |
| | | | | | 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 |
|--------------------------|------|-------|
| CO0032999_Lab_2016_7.pdf | pdf | 89157 |

Report Last Saved By

Littleton/Englewood Cities of

User: dwstowe

Date/Time:

2016-08-22 11:11 (Time Zone: -06:00)

Name: Dennis Stowe

DMR Copy of Record

| | | | | | |
|--------------------|---------------------------|--------------------|--|--------------------|---|
| Permit | | | | | |
| Permit #: | CO0032999 | Permittee: | Littleton/Englewood Cities of | Facility: | LITTLETON/ENGLEWOOD, CITIES OF |
| Major: | Yes | Permittee Address: | 2900 S Platte Rver Dr Englewood, CO 80110 | Facility Location: | 2900 SOUTH PLATTE RIVER DR ENGLEWOOD, CO 80110 |
| Permitted Feature: | 300 Influent Structure | Discharge: | 300-I Influent Measurements | | |

| | | | | | |
|----------------------------------|---------------------------|---------------|----------|---------|------------------|
| Report Dates & Status | | | | | |
| Monitoring Period: | From 07/01/16 to 07/31/16 | DMR Due Date: | 08/28/16 | Status: | NetDMR Validated |

Considerations for Form Completion
 Influent samples must be collected, analyzed and reported monthly regardless of whether an effluent discharge occurs. Hydraulic capacity = 50 MGD; organic capacity = 96,825 lbs BOD-5/Day.

Principal Executive Officer

| | | |
|-------------|--------|------------|
| First Name: | Title: | Telephone: |
| Last Name: | | |

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 | | | | |
| 00310 | BOD, 5-day, 20 deg. C | G - Raw Sewage Influent | 0 | -- | Sample | = | 47800 | = | 58700 | 26 - lb/d | | | = | 258 | = | 309 | 19 - mg/L | 01/01 - Daily | CP - COMPOS | | | | |
| | | | | | Permit Req. | | Req Mon 30DA AVG | | Req Mon MX 7D AV | 26 - lb/d | | | | | | Req Mon 30DA AVG | | Req Mon MX 7D AV | 19 - mg/L | 02/07 - Twice Every Week | CP - COMPOS | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | G - Raw Sewage Influent | 0 | -- | Sample | | | | | | | | = | 236 | = | 243 | 19 - mg/L | 01/01 - Daily | CP - COMPOS | | | | |
| | | | | | Permit Req. | | | | | | | | | | | | Req Mon 30DA AVG | | Req Mon MX 7D AV | 19 - mg/L | 02/07 - Twice Every Week | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 50050 | Flow, in conduit or thru treatment plant | G - Raw Sewage Influent | 0 | -- | Sample | = | 22.2 | = | 23.1 | 03 - MGD | | | | | | | | 99/99 - Continuous | RC - Recorder (auto) | | | | |
| | | | | | Permit Req. | | Req Mon 30DA AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | | | 99/99 - Continuous | RC - Recorder (auto) | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 80082 | BOD, carbonaceous [5 day, 20 C] | G - Raw Sewage Influent | 0 | -- | Sample | | | | | | | | = | 222 | = | 273 | 19 - mg/L | 01/01 - Daily | CP - COMPOS | | | | |
| | | | | | Permit Req. | | | | | | | | | | | | | Req Mon 30DA AVG | | Req Mon MX 7D AV | 19 - mg/L | 02/07 - Twice Every Week | CP - COMPOS |
| | | | | | 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
 No attachments.

Report Last Saved By
 Littleton/Englewood Cities of

| | | | |
|---------|-------------------------|------------|--------------------------------------|
| User: | dwstowe | Date/Time: | 2016-08-22 11:12 (Time Zone: -06:00) |
| Name: | Dennis Stowe | | |
| E-Mail: | dstowe@englewoodgov.org | | |