

9/25/23, 8:33 AM

Detailed Facility Report | ECHO | US EPA

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Oct 03 2023

## Detailed Facility Report



## Detailed Facility Report

## Facility Summary

LAKE ROYALE WWTP

NCSR 1611, LOUISBURG, NC 27549

FRS (Facility Registry Service) ID: 110006804226

EPA Region: 04

Latitude: 35.948611

Longitude: -78.190833

Locational Data Source: NPDES

Industries: --

Indian Country: N

## Enforcement and Compliance Summary

| Statute                                             | CWA                  |
|-----------------------------------------------------|----------------------|
| Compliance Monitoring Activities (5 years)          | 1                    |
| Date of Last Compliance Monitoring Activity         | 10/22/2019           |
| Compliance Status                                   | Violation Identified |
| Qtrs in Noncompliance (of 12)                       | 12                   |
| Qtrs with Significant Violation                     | 2                    |
| Informal Enforcement Actions (5 years)              | 13                   |
| Formal Enforcement Actions (5 years)                | 6                    |
| Penalties from Formal Enforcement Actions (5 years) | \$1,501              |
| EPA Cases (5 years)                                 | --                   |
| Penalties from EPA Cases (5 years)                  | --                   |

## Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Minor, Permit Effective (NC0042510)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)  
[Known Data Problems](#)

## Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

## Facility/System Characteristics

## Facility/System Characteristics

| System     | Statute | Identifier   | Universe                       | Status    | Area | Permit Expiration Date | Indian Country | Latitude  | Longitude  |
|------------|---------|--------------|--------------------------------|-----------|------|------------------------|----------------|-----------|------------|
| FRS        |         | 110006804226 |                                |           |      |                        | N              | 35.948611 | -78.190833 |
| ICIS       |         | 36221        |                                |           |      |                        | U              | 35.948764 | -78.190548 |
| ICIS-NPDES | CWA     | NC0042510    | Minor: NPDES Individual Permit | Effective |      | 09/30/2024             | N              | 35.948611 | -78.190833 |

## Facility Address

| System     | Statute | Identifier   | Facility Name              | Facility Address               | Facility County |
|------------|---------|--------------|----------------------------|--------------------------------|-----------------|
| FRS        |         | 110006804226 | LAKE ROYALE WWTP           | NCSR 1611, LOUISBURG, NC 27549 |                 |
| ICIS       |         | 36221        | RIVIERA UTIL /LAKE ROYALLE | LAKE ROYALE, BUNN, NC 27508    | Warren County   |
| ICIS-NPDES | CWA     | NC0042510    | LAKE ROYALE WWTP           | NCSR 1611, LOUISBURG, NC 27549 | Franklin County |

## Facility SIC (Standard Industrial Classification) Codes

| System     | Identifier | SIC Code | SIC Description            |
|------------|------------|----------|----------------------------|
| ICIS-NPDES | NC0042510  | 6515     | Mobile Home Site Operators |

## Facility NAICS (North American Industry Classification System) Codes

| System | Identifier | NAICS Code | NAICS Description        |
|--------|------------|------------|--------------------------|
|        |            |            | No data records returned |

## Facility Industrial Effluent Guidelines

| Identifier | Effluent Guideline (40 CFR Part) | Effluent Guideline Description |
|------------|----------------------------------|--------------------------------|
| NC0042510  | 401                              | General provisions             |

## Facility Tribe Information

| Reservation Name | Tribe Name | EPA Tribal ID | Distance to Tribe (miles) |
|------------------|------------|---------------|---------------------------|
|                  |            |               | No data records returned  |

## Enforcement and Compliance

Compliance Monitoring History Last 5 Years

| Statute | Source ID | System     | Activity Type         | Compliance Monitoring Type | Lead Agency | Date       | Finding (if applicable) |
|---------|-----------|------------|-----------------------|----------------------------|-------------|------------|-------------------------|
| CWA     | NC0042510 | ICIS-NPDES | Inspection/Evaluation | Base Program - Sampling    | State       | 10/22/2019 |                         |

Entries in *italics* are not counted as EPA official inspections.

## Compliance Summary Data

| Statute | Source ID | Current SNC (Significant Noncompliance)/HPV (High Priority Violation) | Current As Of | Qtrs with NC (Noncompliance) (of 12) | Data Last Refreshed |
|---------|-----------|-----------------------------------------------------------------------|---------------|--------------------------------------|---------------------|
| CWA     | NC0042510 | No                                                                    | 06/30/2023    | 12                                   | 09/22/2023          |

## Three-Year Compliance History by Quarter

| Statute                                                        | Program/Pollutant/Violation Type         | QTR 1                                 | QTR 2                                | QTR 3                    | QTR 4                    | QTR 5                    | QTR 6                    | QTR 7                    | QTR 8                    | QTR 9                    | QTR 10                   | QTR 11                   | QTR 12                   | QTR 13+                  |
|----------------------------------------------------------------|------------------------------------------|---------------------------------------|--------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| CWA (Source ID: NC0042510)                                     |                                          | 07/01-09/30/20                        | 10/01-12/31/20                       | 01/01-03/31/21           | 04/01-06/30/21           | 07/01-09/30/21           | 10/01-12/31/21           | 01/01-03/31/22           | 04/01-06/30/22           | 07/01-09/30/22           | 10/01-12/31/22           | 01/01-03/31/23           | 04/01-06/30/23           | 07/01-09/22/23           |
| Facility-Level Status                                          |                                          | Significant Category II Noncompliance | Significant Category I Noncompliance | Violation Identified     | Violation Identified     | Violation Identified     | Violation Identified     | Violation Identified     | Violation Identified     | Violation Identified     | Violation Identified     | Violation Identified     | Violation Identified     | Violation Identified     |
| Quarterly Noncompliance Report History                         |                                          | Failure to Report DMR - Not Received  | Failure to Report DMR - Not Received | Reportable Noncompliance | Reportable Noncompliance | Reportable Noncompliance | Reportable Noncompliance | Reportable Noncompliance | Reportable Noncompliance | Reportable Noncompliance | Reportable Noncompliance | Reportable Noncompliance | Reportable Noncompliance | Reportable Noncompliance |
| Pollutant                                                      |                                          | Disch Point                           | Mon Loc                              | Freq                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| BOD, 5-day, 20°C                                               |                                          |                                       |                                      |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| CWA                                                            | 001 - Effluent Gross                     | NMth                                  |                                      |                          |                          | 6%                       |                          |                          |                          |                          |                          | 24%                      |                          |                          |
| Single Event Violations                                        |                                          | Agency                                |                                      |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| CWA                                                            | Permit Violations - Unapproved Operation | State                                 | 11/13/2017                           | →                        | →                        | →                        | →                        | →                        | →                        | →                        | →                        | →                        | →                        | →                        |
| CWA                                                            | Permit Violations - Unapproved Operation | State                                 | 10/22/2019                           | →                        | →                        | →                        | →                        | →                        | →                        | →                        | →                        | →                        | →                        | →                        |
| Late or Missing Discharge Monitoring Report (DMR) Measurements |                                          |                                       |                                      |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Counts of Missing DMR Measurements                             |                                          | 12                                    | 2                                    | 2                        | 2                        | 2                        | 2                        | 2                        | 2                        | 2                        | 2                        | 2                        | 2                        | 2                        |

## Informal Enforcement Actions

Last 5 Years

| Statute | System     | Source ID | Type of Action                     | Lead Agency | Date       |
|---------|------------|-----------|------------------------------------|-------------|------------|
| CWA     | ICIS-NPDES | NC0042510 | Base Program - Notice of Violation | State       | 06/08/2023 |
| CWA     | ICIS-NPDES | NC0042510 | Base Program - Notice of Violation | State       | 03/14/2023 |

| Statute | System     | Source ID | Type of Action                     | Lead Agency | Date       |
|---------|------------|-----------|------------------------------------|-------------|------------|
| CWA     | ICIS-NPDES | NC0042510 | Base Program - Notice of Violation | State       | 11/05/2021 |
| CWA     | ICIS-NPDES | NC0042510 | Base Program - Notice of Violation | State       | 10/19/2020 |
| CWA     | ICIS-NPDES | NC0042510 | Base Program - Notice of Violation | State       | 06/08/2020 |
| CWA     | ICIS-NPDES | NC0042510 | Base Program - Notice of Violation | State       | 01/02/2020 |
| CWA     | ICIS-NPDES | NC0042510 | Base Program - Notice of Violation | State       | 12/18/2019 |
| CWA     | ICIS-NPDES | NC0042510 | Base Program - Notice of Violation | State       | 11/15/2019 |
| CWA     | ICIS-NPDES | NC0042510 | Base Program - Notice of Violation | State       | 10/15/2019 |
| CWA     | ICIS-NPDES | NC0042510 | Base Program - Notice of Violation | State       | 07/10/2019 |
| CWA     | ICIS-NPDES | NC0042510 | Base Program - Notice of Violation | State       | 05/31/2019 |
| CWA     | ICIS-NPDES | NC0042510 | Base Program - Notice of Violation | State       | 02/08/2019 |
| CWA     | ICIS-NPDES | NC0042510 | Base Program - Notice of Violation | State       | 02/08/2019 |

Entries in *italics* are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

#### Formal Enforcement Actions

Last 5 Years

| Statute | System     | Law/Section | Source ID       | Type of Action          | Case No.               | Lead Agency | Case Name                         | Issued/Filed Date | Settlements/Actions | Settlement/Action Date | Federal Penalty Assessed | State/Local Penalty Assessed | Penalty Amount Collected | SEP Value | Comp Action Cost |
|---------|------------|-------------|-----------------|-------------------------|------------------------|-------------|-----------------------------------|-------------------|---------------------|------------------------|--------------------------|------------------------------|--------------------------|-----------|------------------|
| CWA     | ICIS-NPDES | OTHER       | NPDES/NC0042510 | Administrative - Formal | <i>NC-LV-2020-0222</i> | State       | Total Environmental Solutions Inc | 08/24/2020        | ↑                   | 08/24/2020             | \$0                      | \$285                        | —                        | \$0       | \$0              |
| CWA     | ICIS-NPDES | OTHER       | NPDES/NC0042510 | Administrative - Formal | <i>NC-LV-2020-0222</i> | State       | Total Environmental Solutions Inc | 02/14/2020        | ↑                   | 02/14/2020             | \$0                      | \$384                        | —                        | \$0       | \$0              |
| CWA     | ICIS-NPDES | OTHER       | NPDES/NC0042510 | Administrative - Formal | <i>NC-LV-2019-0175</i> | State       | Total Environmental Solutions Inc | 12/13/2019        | ↑                   | 12/13/2019             | \$0                      | \$284                        | —                        | \$0       | \$0              |
| CWA     | ICIS-NPDES | OTHER       | NPDES/NC0042510 | Administrative - Formal | <i>NC-LV-2019-0237</i> | State       | Total Environmental Solutions Inc | 10/23/2019        | ↑                   | 10/23/2019             | \$0                      | \$134                        | —                        | \$0       | \$0              |
| CWA     | ICIS-NPDES | OTHER       | NPDES/NC0042510 | Administrative - Formal | <i>NC-LV-2019-0169</i> | State       | Total Environmental Solutions Inc | 07/25/2019        | ↑                   | 07/25/2019             | \$0                      | \$282                        | —                        | \$0       | \$0              |
| CWA     | ICIS-NPDES | OTHER       | NPDES/NC0042510 | Administrative - Formal | <i>NC-LV-2019-0238</i> | State       | Total Environmental Solutions Inc | 04/23/2019        | ↑                   | 04/23/2019             | \$0                      | \$132                        | —                        | \$0       | \$0              |

## Environmental Conditions

### Watersheds

| 12-Digit WBD (Watershed Boundary Dataset) HUC (Reach Address Database) | WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database)) | State Water Body Name (ICIS (Integrated Compliance Information System)) | Beach Closures Within Last Year | Beach Closures Within Last Two Years | Pollutants Potentially Related to Impairment | Watershed with ESA (Endangered Species Act)-Listed Aquatic Species? |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------|--------------------------------------|----------------------------------------------|---------------------------------------------------------------------|
| 030201010601                                                           | Lake Sagamore-Cypress Creek                                                       | CYPRESS CREEK                                                           | No                              | No                                   | —                                            | Yes                                                                 |

### Assessed Waters From Latest State Submission (ATTAINS)

| State                    | Report Cycle | Assessment Unit ID | Assessment Unit Name | Water Condition | Cause Groups Impaired | Drinking Water Use | Ecological Use | Fish Consumption Use | Recreation Use | Other Use |
|--------------------------|--------------|--------------------|----------------------|-----------------|-----------------------|--------------------|----------------|----------------------|----------------|-----------|
| No data records returned |              |                    |                      |                 |                       |                    |                |                      |                |           |

### Air Quality Nonattainment Areas

| Pollutant                | Within Nonattainment Status Area? | Nonattainment Status Applicable Standard(s) | Within Maintenance Status Area? | Maintenance Status Applicable Standard(s) |
|--------------------------|-----------------------------------|---------------------------------------------|---------------------------------|-------------------------------------------|
| No data records returned |                                   |                                             |                                 |                                           |

## Pollutants

### Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site

| TRI Facility ID          | Year | Total Air Emissions | Surface Water Discharges | Off-Site Transfers to POTWs (Publicly Owned Treatment Works) | Underground Injections | Releases to Land | Total On-Site Releases | Total Off-Site Transfers |
|--------------------------|------|---------------------|--------------------------|--------------------------------------------------------------|------------------------|------------------|------------------------|--------------------------|
| No data records returned |      |                     |                          |                                                              |                        |                  |                        |                          |

### Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

| Chemical Name            |
|--------------------------|
| No data records returned |

### CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

| NPDES ID  | Description                                                | 2019   | 2020   | 2021   | 2022   | 2023   |
|-----------|------------------------------------------------------------|--------|--------|--------|--------|--------|
| NC0042510 | DMR Pollutant Loadings (lb/year)                           | 430    | 439    | 236    | 532    | 113    |
| NC0042510 | DMR Pollutant Loadings - Load Over Limit (lb/year)         | 16,80  | 1,05   | 0      | 0      | 0      |
| NC0042510 | DMR Conventional Loadings (lb/year)                        | —      | —      | —      | 79.53  | —      |
| NC0042510 | DMR Conventional Loadings - Load Over Limit (lb/year)      | —      | —      | —      | 0      | —      |
| NC0042510 | DMR Toxic-Weighted Loadings (lb-eq/year)                   | 0.1127 | 0.0570 | 0.0145 | 0.0170 | 0.0077 |
| NC0042510 | DMR Toxic-Weighted Loadings - Load Over Limit (lb-eq/year) | 0.0389 | 0.0012 | 0      | 0      | 0      |

## Community

### Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the [EJScreen home page](#).

#### EJScreen Indexes Shown

#### Related Reports

Compare to ☒ US ☐ State

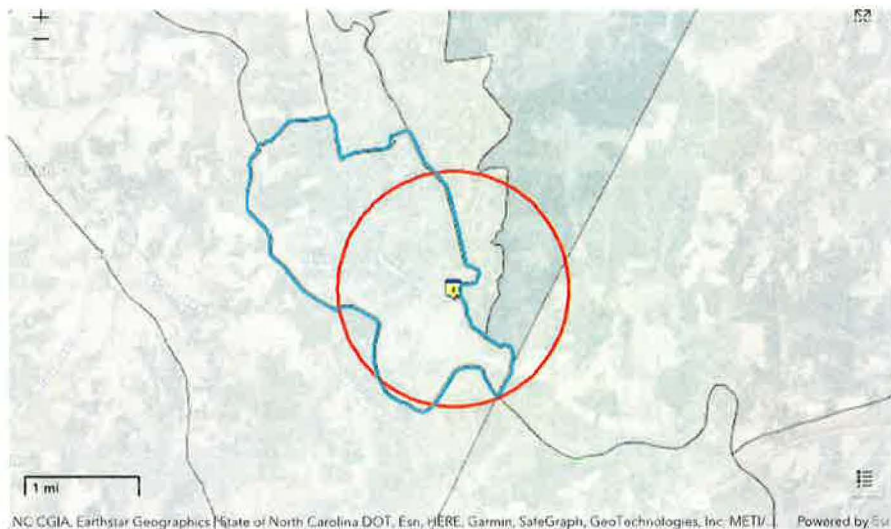
Index Type ☐ Environmental Justice ☒ Supplemental

[EJScreen Community Report](#)

Download Data

☐ Facility 1-mile Radius ☐ Facility Census Block Group

| Census Block Group ID: 370690607033           | US (Percentile)             |            |
|-----------------------------------------------|-----------------------------|------------|
| Supplemental Indexes                          | Facility Census Block Group | 1-mile Max |
| Count of Indexes At or Above 80th Percentile  | 0                           | 2          |
| Particulate Matter 2.5                        | 37                          | 75         |
| Ozone                                         | 34                          | 78         |
| Diesel Particulate Matter                     | 14                          | 41         |
| Air Toxics Cancer Risk                        | 48                          | 82         |
| Air Toxics Respiratory Hazard Index           | 43                          | 74         |
| Toxic Releases to Air                         | 26                          | 58         |
| Traffic Proximity                             | 0                           | 49         |
| Lead Paint                                    | 22                          | 82         |
| Risk Management Plan (RMP) Facility Proximity | 14                          | 47         |
| Hazardous Waste Proximity                     | 10                          | 30         |
| Superfund Proximity                           | 15                          | 41         |
| Underground Storage Tanks (UST)               | 0                           | 57         |
| Wastewater Discharge                          | 21                          | 37         |



### Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [Data Dictionary](#).

#### General Statistics (U.S. Census)

|                       |             |
|-----------------------|-------------|
| Total Persons         | 937         |
| Population Density    | 347/sq. mi. |
| Housing Units in Area | 586         |

#### General Statistics (ACS (American Community Survey))

|                                 |     |
|---------------------------------|-----|
| Total Persons                   | 982 |
| Percent People of Color         | 23% |
| Households in Area              | 431 |
| Households on Public Assistance | 53  |
| Persons With Low Income         | 207 |
| Percent With Low Income         | 21% |

#### Geography

|                         |            |
|-------------------------|------------|
| Radius of Selected Area | 1 mi.      |
| Center Latitude         | 35.948611  |
| Center Longitude        | -78.190833 |
| Land Area               | 92%        |
| Water Area              | 8%         |

#### Income Breakdown (ACS (American Community Survey)) - Households (%)

|                       |              |
|-----------------------|--------------|
| Less than \$15,000    | 23 (5.36%)   |
| \$15,000 - \$25,000   | 66 (15.38%)  |
| \$25,000 - \$50,000   | 35 (8.16%)   |
| \$50,000 - \$75,000   | 41 (9.56%)   |
| Greater than \$75,000 | 264 (61.54%) |

#### Age Breakdown (U.S. Census) - Persons (%)

|                              |           |
|------------------------------|-----------|
| Children 5 years and younger | 54 (6%)   |
| Minors 17 years and younger  | 217 (23%) |
| Adults 18 years and older    | 720 (77%) |
| Seniors 65 years and older   | 117 (12%) |

#### Race Breakdown (U.S. Census) - Persons (%)

|                        |           |
|------------------------|-----------|
| White                  | 756 (81%) |
| African-American       | 141 (15%) |
| Hispanic-Origin        | 35 (4%)   |
| Asian/Pacific Islander | 6 (1%)    |
| American Indian        | 6 (1%)    |
| Other/Multiracial      | 29 (3%)   |

#### Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)

|                                                          |              |
|----------------------------------------------------------|--------------|
| Less than 9th Grade                                      | 15 (1.84%)   |
| 9th through 12th Grade                                   | 41 (5.04%)   |
| High School Diploma                                      | 201 (24.69%) |
| Some College/2-year                                      | 210 (25.8%)  |
| B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More | 151 (18.55%) |

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

# DMR Exceedances Report

## Effluent Limit Exceedances Report

LAKE ROYALE WWTP, LOUISBURG, NC, 27549

### Facility Information

NPDES (National Pollutant Discharge Elimination System) ID: NC0042510  
 FRS (Facility Registry Service) ID: 110006804226  
 Other NPDES (National Pollutant Discharge Elimination System) IDs associated with this FRS (Facility Registry Service) ID: None  
 TRI (Toxics Release Inventory) ID(s): None  
 Major/Non-Major Indicator: Non-Major  
 Facility Type: NON-POTW  
 Latitude/Longitude: 35 948611/-78.190833  
 4-Digit SIC (Standard Industrial Classification) Code: 6515 - OPER OF RES MOBILE HOME SITES  
 6-Digit NAICS (North American Industry Classification System) Code: --

### Permit Information

Permit Status: Effective  
 Permit Issuance: STATE OF NORTH CAROLINA  
 Original Issue Date: 02/28/1979  
 Last Issue Date: 05/27/2020  
 Permit Effective Date: 07/01/2020  
 Permit Expiration Date: 09/30/2024  
 DMR Signer: --  
 Approved Pretreatment Program: N/A  
 Combined Sewer Overflow (CSO) Outfall: N/A

### Receiving Watershed Information

State Water Body Name (ICIS (Integrated Compliance Information System)): CYPRESS CREEK  
 WBD (Watershed Boundary Dataset) Subwatershed Name / 12-Digit WBD (Watershed Boundary Dataset) HUC (Hydrologic Unit Code) (FRS Derived): Lake Sagamore-Cyprus Creek (030201010601)  
 Listed for Impairment (ATTAINS (Assessment, Total Maximum Daily Load (TMDL) Tracking and Implementation System)): No  
 Impairment Class (ATTAINS (Assessment, Total Maximum Daily Load (TMDL) Tracking and Implementation System)): Not provided

### Enforcement Information

Last Formal Enforcement Action: 08/24/2020  
 Civil Enforcement Case Number: NC-LV-2020-0222  
 DOJ/Court Docket Number: --  
 Court Docket Number:  
 Type Description: State CWA Penalty AO

### Related Reports

[View DMR Pollutant Loading Report](#)  
[View Detailed Facility Report](#)  
[View Effluent Charts](#)

## Report Options

Select an Exceedance Type: ☒ Effluent Limit Exceedances ☐ Benchmark Threshold Exceedances

Adjust Date Range:

Display records identified as potential outliers or data errors ☐

## Total Exceedance Counts

Number of Exceedances

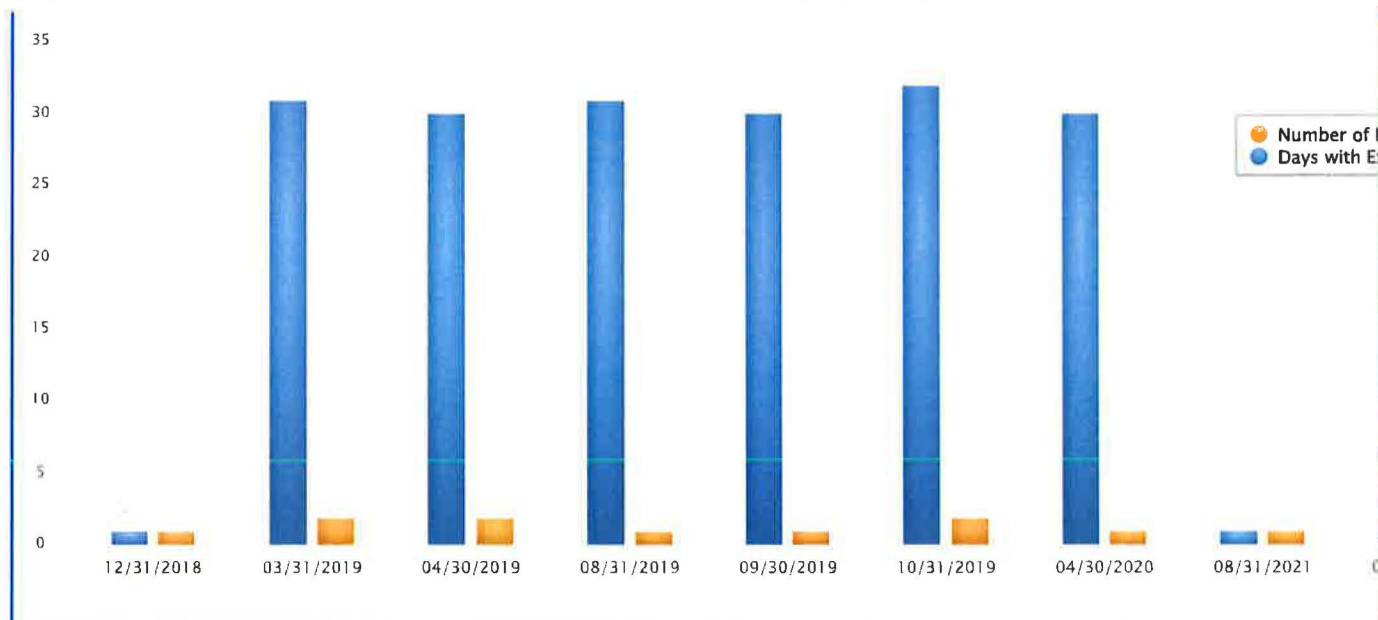
12

Days with Exceedances

187

Months with Exceedances

9



## Exceedance Counts by Pollutant

| Parameter Code | Description                           | Statistical Base Type | Contains Potential Outliers? | Number of Exceedances | Days with Exceedances |
|----------------|---------------------------------------|-----------------------|------------------------------|-----------------------|-----------------------|
| 00310          | BOD, 5-day, 20 deg. C                 | 30DA AVG              |                              | 2                     | 61                    |
| 00310          | BOD, 5-day, 20 deg. C                 | DAILY MX              |                              | 4                     | 2                     |
| 00610          | Nitrogen, ammonia total (as N)        | 30DA AVG              |                              | 4                     | 122                   |
| 31616          | Coliform, fecal MF, MFC broth, 44.5 C | DAILY MX              |                              | 1                     | 1                     |
| 50060          | Chlorine, total residual              | DAILY MX              |                              | 1                     | 1                     |

## Exceedance Details

| Date       | Outfall | Parameter                                     | Average Daily Flow (MGD) | Statistical Base Type | DMR Value     | Limit Value    | Percent Exceedance | Load over Limit (lb/period) | Load over Limit (lb-eq/period) | Days per Period | Days with Exceedances |
|------------|---------|-----------------------------------------------|--------------------------|-----------------------|---------------|----------------|--------------------|-----------------------------|--------------------------------|-----------------|-----------------------|
| 12/31/2018 | 001     | 31616 - Coliform, fecal MF, MFC broth, 44.5 C | --                       | DAILY MX              | 2,420 #/100mL | <= 400 #/100mL | 505                | --                          | --                             | 31              | 1                     |
| 03/31/2019 | 001     | 00310 - BOD, 5-day, 20 deg. C                 | 0.0025                   | 30DA AVG              | 27.33 mg/L    | <= 22 mg/L     | 24                 | 3.44                        | --                             | 31              | 31                    |
| 03/31/2019 | 001     | 00310 - BOD, 5-day, 20 deg. C                 | --                       | DAILY MX              | 36.70 mg/L    | <= 33 mg/L     | 11                 | --                          | --                             | 31              | --                    |
| 04/30/2019 | 001     | 00310 - BOD, 5-day, 20 deg. C                 | 0.0026                   | 30DA AVG              | 25.64 mg/L    | <= 22 mg/L     | 17                 | 2.37                        | --                             | 30              | 30                    |
| 04/30/2019 | 001     | 00310 - BOD, 5-day, 20 deg. C                 | --                       | DAILY MX              | 44.50 mg/L    | <= 33 mg/L     | 35                 | --                          | --                             | 30              | --                    |

| Date       | Outfall | Parameter                              | Average Daily Flow (MGD) | Statistical Base Type | DMR Value   | Limit Value   | Percent Exceedance | Load over Limit (lb/period) | Load over Limit (lb-eq/period) | Days per Period | Days with Exceedances |
|------------|---------|----------------------------------------|--------------------------|-----------------------|-------------|---------------|--------------------|-----------------------------|--------------------------------|-----------------|-----------------------|
| 08/31/2019 | 001     | 00610 - Nitrogen, ammonia total (as N) | 0.0045                   | 30DA AVG              | 6.28 mg/L   | <= 3.5 mg/L   | 79                 | 3.23                        | 0.0036                         | 31              | 31                    |
| 09/30/2019 | 001     | 00610 - Nitrogen, ammonia total (as N) | 0.0042                   | 30DA AVG              | 3.90 mg/L   | <= 3.5 mg/L   | 11                 | 0.4206                      | 0.0005                         | 30              | 30                    |
| 10/31/2019 | 001     | 00610 - Nitrogen, ammonia total (as N) | 0.0044                   | 30DA AVG              | 9.90 mg/L   | <= 3.5 mg/L   | 183                | 7.29                        | 0.0081                         | 31              | 31                    |
| 10/31/2019 | 001     | 50060 - Chlorine, total residual       | 0.0044                   | DAILY MX              | 0.0750 mg/L | <= 0.028 mg/L | 168                | 0.0535                      | 0.0268                         | 31              | 1                     |
| 04/30/2020 | 001     | 00610 - Nitrogen, ammonia total (as N) | 0.0028                   | 30DA AVG              | 5 mg/L      | <= 3.5 mg/L   | 43                 | 1.05                        | 0.0012                         | 30              | 30                    |
| 08/31/2021 | 001     | 00310 - BOD, 5-day, 20 deg. C          | --                       | DAILY MX              | 34.90 mg/L  | <= 33 mg/L    | 6                  | --                          | --                             | 31              | 1                     |
| 01/31/2023 | 001     | 00310 - BOD, 5-day, 20 deg. C          | --                       | DAILY MX              | 40.90 mg/L  | <= 33 mg/L    | 24                 | --                          | --                             | 31              | 1                     |