

Effluent Limit Exceedances Report

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PERSIMMON RIDGE WWTF, LOUISVILLE, KY, 40245

Facility Information

NPDES (National Pollutant Discharge Elimination System) ID: KY0090956
FRS (Facility Registry Service) ID: 110022418579
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: 38.28819/-85.43906
4-Digit SIC (Standard Industrial Classification) Code: 6552 - LAND SUBDIVIDERS & DEV, EX CEM
6-Digit NAICS (North American Industry Classification System) Code: --

Permit Information

Permit Status: Effective
Permit Issuance: STATE OF KENTUCKY
Original Issue Date: 09/27/1989
Last Issue Date: 08/02/2018
Permit Effective Date: 10/01/2018
Permit Expiration Date: 09/30/2023
DMR Signer: kathy Carey
Approved Pretreatment Program: N/A
Combined Sewer Overflow (CSO) Outfall: N/A

Receiving Watershed Information

State Water Body Name (ICIS (Integrated Compliance Information System)): FLOYDS FORK
WBD (Watershed Boundary Dataset) Subwatershed Name / 12-Digit WBD (Watershed Boundary Dataset) HUC (Hydrologic Unit Code) (FRS Derived): Brush Run-Floyds Fork (051401020804)
Listed for Impairment (ATTAINS (Assessment, Total Maximum Daily Load (TMDL) Tracking and Implementation System)): Yes
Impairment Class (ATTAINS (Assessment, Total Maximum Daily Load (TMDL) Tracking and Implementation System)): Not provided.

Enforcement Information

Last Formal Enforcement Action: 09/03/2019
Civil Enforcement Case Number: KY-DOW 19-3-0155
DOJ/Court Docket Number: --
Court Docket Number: --
Type Description: State Administrative Order of Consent

Related Reports

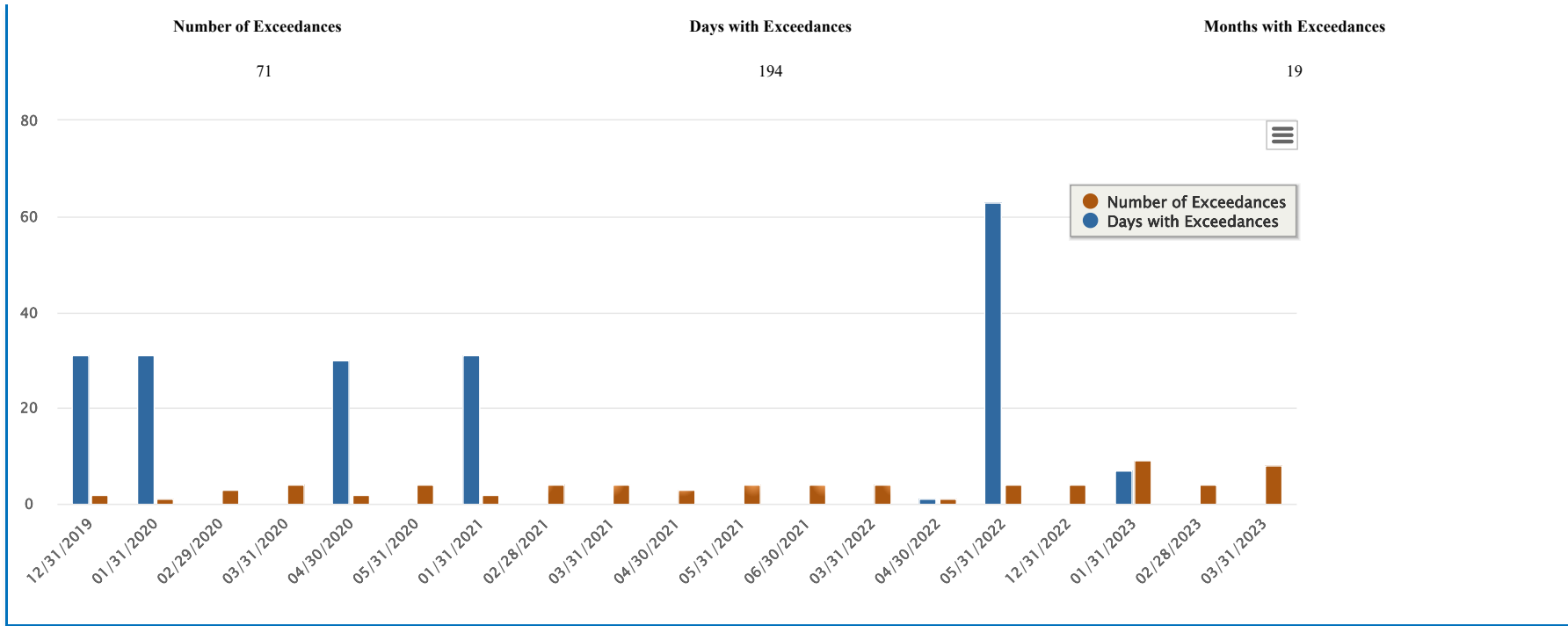
- [View DMR Pollutant Loading Report](#)
- [View Detailed Facility Report](#)
- [View Effluent Charts](#)

Report Options

Adjust Date Range: Sep. 2019 → May. 2023

Display records identified as potential outliers or data errors

Total Exceedance Counts



Exceedance Counts by Pollutant

Parameter Code	Description	Limit Type	Contains Potential Outliers?	Number of Exceedances	Days with Exceedances
00300	Oxygen, dissolved (DO)	INST MIN		1	1
00610	Nitrogen, ammonia total (as N)	DAILY MX		16	1
00610	Nitrogen, ammonia total (as N)	MO AVG		28	123
00610	Nitrogen, ammonia total (as N)	MX WK AV		10	0
51040	E. coli	30DA GEO		1	31
51040	E. coli	7 DA GEO		2	7
80082	BOD, carbonaceous, 05 day, 20 C	MO AVG		7	31
80082	BOD, carbonaceous, 05 day, 20 C	MX WK AV		6	0

Exceedance Details

Date	Outfall	Parameter	Average Daily Flow (MGD)	Limit Type	DMR Value	Limit Value	Percent Exceedance	Load over Limit (lb/period)	Load over Limit (lb-eq/period)	Days per Period	Days with Exceedances
12/31/2019	002	51040 - E. coli	0.0850	30DA GEO	335 #/100mL	<= 130 #/100mL	158	--	--	31	31
12/31/2019	002	51040 - E. coli	--	7 DA GEO	568 #/100mL	<= 240 #/100mL	137	--	--	31	--
01/31/2020	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	6.50 mg/L	<= 5 mg/L	30	--	--	31	31
02/29/2020	002	00610 - Nitrogen, ammonia total (as N)	0.0690	MO AVG	2.95 kg/d	<= 2.68 kg/d	10	16.63	0.0185	28	--
02/29/2020	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	11.20 mg/L	<= 7.5 mg/L	49	--	--	28	--
02/29/2020	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	9.70 mg/L	<= 5 mg/L	94	--	--	28	--
03/31/2020	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	11.50 mg/L	<= 5 mg/L	130	--	--	31	--
03/31/2020	002	00610 - Nitrogen, ammonia total (as N)	--	MX WK AV	5.01 kg/d	<= 4.04 kg/d	24	--	--	31	--
03/31/2020	002	00610 - Nitrogen, ammonia total (as N)	0.0990	MO AVG	4.30 kg/d	<= 2.68 kg/d	61	111	0.1231	31	--
03/31/2020	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	13.40 mg/L	<= 7.5 mg/L	79	--	--	31	--
04/30/2020	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	15.60 mg/L	<= 7.5 mg/L	108	--	--	30	--
04/30/2020	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	14.90 mg/L	<= 5 mg/L	198	--	--	30	30
05/31/2020	002	00610 - Nitrogen, ammonia total (as N)	--	MX WK AV	4.57 kg/d	<= 1.63 kg/d	180	--	--	31	--
05/31/2020	002	00610 - Nitrogen, ammonia total (as N)	0.0770	MO AVG	4 kg/d	<= 1.09 kg/d	268	199	0.2213	31	--
05/31/2020	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	13.80 mg/L	<= 2 mg/L	590	--	--	31	--
05/31/2020	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	15.70 mg/L	<= 3 mg/L	423	--	--	31	--
01/31/2021	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	7.10 mg/L	<= 5 mg/L	42	--	--	31	31

Date	Outfall	Parameter	Average Daily Flow (MGD)	Limit Type	DMR Value	Limit Value	Percent Exceedance	Load over Limit (lb/period)	Load over Limit (lb-eq/period)	Days per Period	Days with Exceedances
01/31/2021	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	7.80 mg/L	<= 7.5 mg/L	4	--	--	31	--
02/28/2021	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	18 mg/L	<= 7.5 mg/L	140	--	--	28	--
02/28/2021	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	15.70 mg/L	<= 5 mg/L	214	--	--	28	--
02/28/2021	002	00610 - Nitrogen, ammonia total (as N)	--	MX WK AV	5.24 kg/d	<= 4.04 kg/d	30	--	--	28	--
02/28/2021	002	00610 - Nitrogen, ammonia total (as N)	0.5400	MO AVG	4.57 kg/d	<= 2.68 kg/d	71	117	0.1299	28	--
03/31/2021	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	19.20 mg/L	<= 5 mg/L	284	--	--	31	--
03/31/2021	002	00610 - Nitrogen, ammonia total (as N)	0.5800	MO AVG	6.01 kg/d	<= 2.68 kg/d	125	228	0.2533	31	--
03/31/2021	002	00610 - Nitrogen, ammonia total (as N)	--	MX WK AV	6.31 kg/d	<= 4.04 kg/d	56	--	--	31	--
03/31/2021	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	20.10 mg/L	<= 7.5 mg/L	168	--	--	31	--
04/30/2021	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	17.60 mg/L	<= 7.5 mg/L	135	--	--	30	--
04/30/2021	002	00610 - Nitrogen, ammonia total (as N)	0.0500	MO AVG	2.80 kg/d	<= 2.68 kg/d	5	8.16	0.0091	30	--
04/30/2021	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	14.80 mg/L	<= 5 mg/L	196	--	--	30	--
05/31/2021	002	00610 - Nitrogen, ammonia total (as N)	0.0610	MO AVG	4.01 kg/d	<= 1.09 kg/d	269	200	0.2220	31	--
05/31/2021	002	00610 - Nitrogen, ammonia total (as N)	--	MX WK AV	4.11 kg/d	<= 1.63 kg/d	152	--	--	31	--
05/31/2021	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	17.80 mg/L	<= 3 mg/L	493	--	--	31	--
05/31/2021	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	17.40 mg/L	<= 2 mg/L	770	--	--	31	--
06/30/2021	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	7.60 mg/L	<= 2 mg/L	280	--	--	30	--

Date	Outfall	Parameter	Average Daily Flow (MGD)	Limit Type	DMR Value	Limit Value	Percent Exceedance	Load over Limit (lb/period)	Load over Limit (lb-eq/period)	Days per Period	Days with Exceedances
06/30/2021	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	12.10 mg/L	<= 3 mg/L	303	--	--	30	--
06/30/2021	002	00610 - Nitrogen, ammonia total (as N)	0.5220	MO AVG	2.08 kg/d	<= 1.09 kg/d	92	65.91	0.0732	30	--
06/30/2021	002	00610 - Nitrogen, ammonia total (as N)	--	MX WK AV	3.34 kg/d	<= 1.63 kg/d	105	--	--	30	--
03/31/2022	002	80082 - BOD, carbonaceous, 05 day, 20 C	--	MO AVG	56 mg/L	<= 10 mg/L	460	--	--	31	--
03/31/2022	002	80082 - BOD, carbonaceous, 05 day, 20 C	--	MX WK AV	14.45 kg/d	<= 8.07 kg/d	79	--	--	31	--
03/31/2022	002	80082 - BOD, carbonaceous, 05 day, 20 C	0.0538	MO AVG	11.40 kg/d	<= 5.35 kg/d	113	413	--	31	--
03/31/2022	002	80082 - BOD, carbonaceous, 05 day, 20 C	--	MX WK AV	71 mg/L	<= 15 mg/L	373	--	--	31	--
04/30/2022	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	7.69 mg/L	<= 7.5 mg/L	3	--	--	30	1
05/31/2022	002	00300 - Oxygen, dissolved (DO)	--	INST MIN	6.50 mg/L	>= 7 mg/L	7	--	--	31	1
05/31/2022	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	5.45 mg/L	<= 2 mg/L	172	--	--	31	31
05/31/2022	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	6.28 mg/L	<= 3 mg/L	109	--	--	31	--
05/31/2022	002	80082 - BOD, carbonaceous, 05 day, 20 C	--	MO AVG	10.50 mg/L	<= 10 mg/L	5	--	--	31	31
12/31/2022	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	11.90 mg/L	<= 7.5 mg/L	59	--	--	31	--
12/31/2022	002	00610 - Nitrogen, ammonia total (as N)	0.1290	MO AVG	3.68 kg/d	<= 2.68 kg/d	38	68.76	0.0763	31	--
12/31/2022	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	7.55 mg/L	<= 5 mg/L	51	--	--	31	--
12/31/2022	002	00610 - Nitrogen, ammonia total (as N)	--	MX WK AV	5.80 kg/d	<= 4.04 kg/d	44	--	--	31	--

Date	Outfall	Parameter	Average Daily Flow (MGD)	Limit Type	DMR Value	Limit Value	Percent Exceedance	Load over Limit (lb/period)	Load over Limit (lb-eq/period)	Days per Period	Days with Exceedances
01/31/2023	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	12.15 mg/L	<= 5 mg/L	143	--	--	31	--
01/31/2023	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	13.50 mg/L	<= 7.5 mg/L	80	--	--	31	--
01/31/2023	002	00610 - Nitrogen, ammonia total (as N)	0.1440	MO AVG	6.62 kg/d	<= 2.68 kg/d	147	269	0.2990	31	--
01/31/2023	002	00610 - Nitrogen, ammonia total (as N)	--	MX WK AV	7.35 kg/d	<= 4.04 kg/d	82	--	--	31	--
01/31/2023	002	51040 - E. coli	--	7 DA GEO	579 #/100mL	<= 240 #/100mL	141	--	--	31	7
01/31/2023	002	80082 - BOD, carbonaceous, 05 day, 20 C	--	MX WK AV	19.61 kg/d	<= 8.07 kg/d	143	--	--	31	--
01/31/2023	002	80082 - BOD, carbonaceous, 05 day, 20 C	0.1440	MO AVG	6.54 kg/d	<= 5.35 kg/d	22	80.91	--	31	--
01/31/2023	002	80082 - BOD, carbonaceous, 05 day, 20 C	--	MX WK AV	36 mg/L	<= 15 mg/L	140	--	--	31	--
01/31/2023	002	80082 - BOD, carbonaceous, 05 day, 20 C	--	MO AVG	12 mg/L	<= 10 mg/L	20	--	--	31	--
02/28/2023	002	00610 - Nitrogen, ammonia total (as N)	0.1100	MO AVG	8.01 kg/d	<= 2.68 kg/d	199	329	0.3655	28	--
02/28/2023	002	00610 - Nitrogen, ammonia total (as N)	--	MX WK AV	8.15 kg/d	<= 4.04 kg/d	102	--	--	28	--
02/28/2023	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	19.60 mg/L	<= 7.5 mg/L	161	--	--	28	--
02/28/2023	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	19.25 mg/L	<= 5 mg/L	285	--	--	28	--
03/31/2023	002	00610 - Nitrogen, ammonia total (as N)	0.1400	MO AVG	11.07 kg/d	<= 2.68 kg/d	314	573	0.6366	31	--
03/31/2023	002	00610 - Nitrogen, ammonia total (as N)	--	MX WK AV	15.19 kg/d	<= 4.04 kg/d	276	--	--	31	--
03/31/2023	002	00610 - Nitrogen, ammonia total (as N)	--	MO AVG	20.90 mg/L	<= 5 mg/L	318	--	--	31	--

Date	Outfall	Parameter	Average Daily Flow (MGD)	Limit Type	DMR Value	Limit Value	Percent Exceedance	Load over Limit (lb/period)	Load over Limit (lb-eq/period)	Days per Period	Days with Exceedances
03/31/2023	002	00610 - Nitrogen, ammonia total (as N)	--	DAILY MX	28.70 mg/L	<= 7.5 mg/L	283	--	--	31	--
03/31/2023	002	80082 - BOD, carbonaceous, 05 day, 20 C	--	MX WK AV	10.06 kg/d	<= 8.07 kg/d	25	--	--	31	--
03/31/2023	002	80082 - BOD, carbonaceous, 05 day, 20 C	--	MO AVG	16 mg/L	<= 10 mg/L	60	--	--	31	--
03/31/2023	002	80082 - BOD, carbonaceous, 05 day, 20 C	--	MX WK AV	19 mg/L	<= 15 mg/L	27	--	--	31	--
03/31/2023	002	80082 - BOD, carbonaceous, 05 day, 20 C	0.1400	MO AVG	8.47 kg/d	<= 5.35 kg/d	58	213	--	31	--