City of Butler Annual Notification:

Summarizing CSO Discharges for 2020

Outfall 003 is located at the U.S. Hwy 6 bridge Lat: 41 25’ 48” N Long: 84 51’ 26” W

The receiving water: Big Run Ditch

Table 1 below of all CSO events for 2020.

Date	Big Run Ditch	Duration Hours	Volume MGD	Rain/Snow Melt	Precipitation
1-11-20	Big Run Ditch	20:55	1.07	Rain	1.81
3-2-20	Big Run Ditch	6:50	.268	Rain	0.57
3-19-20	Big Run Ditch	2:25	.058	Rain	0.52
3-28-20	Big Run Ditch	9:45	.48	Rain	0.97
5-18-20	Big Run Ditch	15:15	.775	Rain	1.78
6-10-20	Big Run Ditch	1:00	.034	Rain	0.69
6-27-20	Big Run Ditch	1:00	.01	Rain	0.53
8-15-20	Big Run Ditch	:25	.007	Rain	0.42
9-13-20	Big Run Ditch	:40	.179	Rain	0.73
10-21-20	Big Run Ditch	2:25	.129	Rain	0.69

The city had no dry weather discharges in 2020.

Table 2 below CSO Lab Data

DATE	CBOD mg/l	TSS mg/l	Total P mg/l	NH3-N mg/l	TDS mg/l	Special Cond.	Chlorides mg/l	Sulfates mg/l	HARDNESS mg/l	E. COLI mg/l	pH	DO mg/l
1-11-20	30	56	.587	1.09	285	387	60	6.92	212	x	7.4	8.4
3-2-20	58	86	1.5	2.09	799	559	220	56	216	x	7.8	8.7
3-19-20	44	127	.93	1.55	392	265	100	31	173	x	7.4	8.7
3-28-20	47	90	1.19	1.3	227	138	80	114	229	x	7.5	8.7
5-18-20	43	70	1.02	1.32	269	189	60	79	279	691	7.3	8.6
6-10-20	58	82	1.08	2.27	245	238	90	31.8	444	1011	7.3	8.3
6-27-20	50	102	1.18	3.46	505	368	40	18.4	307	1011	8.6	7.2

8-16-20	55	78	.838	1.88	181	112	80	6.23	474	1011	7.2	6.8
9-13-20	52	204	1.04	2.55	143	100	20	25.3	218	1011	7.8	8.2
10-21-20	47	138	1.22	2.36	123	90.3	40	20.4	90	792	7.5	8.4

No public access areas potentially impacted, because the city does not have any access areas along Big Run Ditch.

See table 1 for precipitation on each day of an overflow.

Nine Minimum Controls Implementation:

1. ***Proper operation and regular maintenance programs for the sewer system and the CSOs.***

   The city cleans and video's 25,000 feet a year.

2. ***Maximize use of the collection system for storage.***

   By cleaning the sewers the city is maximizing the capacity of the sewer system. The city has lined approximately 4 miles of sewer pipe and removed 500,00 gallons of industrial flow from the system. 74 manholes have been lined.

3. ***Review and modification of pretreatment requirements to assure CSO impacts are minimized.***

   The city's Pretreatment program performs annual inspections at all permitted facilities.

4. ***Maximization of flow to the publicly owned treatment work (POTW) for treatment.***

   The treatment plant and its wet weather treatment plant are set up to maximize flow to the plant before it overflows to Big Run Ditch.

5. ***Prohibition of CSOs during dry weather.***

   The City has not had a dry weather overflow in the last 20 years.

6. ***Control of solid and floatable materials in CSOs.***

   This item will be addressed in our CSO construction project that was initiated on April 5, 2021.

7. ***Pollution prevention.***

   The city continues the pretreatment program.

8. ***Public notification to ensure that the public receives adequate notification of CSO occurrences and CSO impacts.***

   The city has a system that will email anyone that wants to be notified and it is posted to the city's website immediately.

9. ***Monitoring to effectively characterize CSO impacts and the efficacy of CSO controls.***

   Besides site inspections, the city has a stream assessment done every 4 to 5 years and for the last 15 years it has shown an increase in life in the stream. When it started the stream could have been considered as impaired, now it demonstrates a diversity of pollutant intolerable species.