National Pollutant Discharge Elimination System (NPDES)
CSO Monthly Report of Operation (CSO MRO)
State Form 50546 (R3 / 7-13)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City: City of South Bend		Page 1 of 11	Permit Number: IN0024520
Facility: South Bend Municipal WWTP		Public Notification Requirements Met? Y	
Monitoring Period: June 2020		Check box if no CSO discharge occurred for the month: ☐	
Design Peak Hourly Flow (MGD): 77	Design Average Flow (MGD): 48	Measured/Metered (M) or Estimated (E) must be specified	

WWTP Influent Data			Precipitation Data					CSO Outfall No. 001						CSO Outfall No. 002					
Day of Month	Average Daily Flow (MGD)	Peak Hourly Flow (MGD)	Time Precip. Began (am/pm)	Precip. Duration (Hours)	Total Daily Precip. (Inches)	Peak Intensity (Inch/hr)	Measurement Interval (hr, 30 m, 15 m)	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E
1	41.0	44.5			-														
2	41.7	44.5			-														
3	41.2	44.1			-														
4	41.0	45.2			-														
5	40.4	44.1			-														
6	38.6	42.7			-														
7	37.5	40.8			-														
8	38.2	42.5			-														
9	46.1	80.1	3:10 PM	1.67	0.56	0.33	1 hr	7:40 PM	E	0.98	E	0.05	E	7:40 PM	E	0.13	E	0.00	E
10	44.7	74.9	9:55 AM	1.08	0.27	0.21	1 hr	12:10 PM	E	0.07	E	0.00	E						
11	37.4	41.1			-														
12	36.7	41.1			-														
13	36.0	39.9	12:20 AM	0.67	0.09	0.08	1 hr												
14	35.6	38.9			-														
15	36.1	40.3			-														
16	36.6	40.6			-														
17	36.8	40.9			-														
18	37.0	41.0			-														
19	36.4	40.8			-														
20	35.4	39.8	8:50 AM	0.08	0.03	0.03	1 hr												
21	41.1	59.4	3:20 PM	2.17	1.34	1.34	1 hr	5:30 PM	E	3.06	E	0.55	E	5:30 PM	E	4.94	E	0.38	E
22	42.2	66.7	5:55 PM	3.58	0.84	0.47	1 hr	7:55 PM	E	1.94	E	0.22	E	7:55 PM	E	2.06	E	0.02	E
23	44.0	62.5	12:15 AM	0.83	0.03	0.02	1 hr												
24	37.6	41.9	5:25 PM	1.00	0.39	0.58	1 hr												
25	43.6	75.2	12:00 AM	0.58	0.21	0.21	1 hr												
26	42.1	76.8	12:25 PM	3.92	0.76	0.52	1 hr	2:30 PM	E	1.76	E	0.18	E	2:30 PM	E	1.68	E	0.01	E
27	44.3	81.4	12:05 AM	0.92	0.10	0.06	1 hr												
28	37.2	41.4	10:50 PM	1.17	1.36	1.35	1 hr												
29	46.8	78.8	12:00 AM	0.58	0.07	0.07	1 hr												
30	40.2	51.5	7:25 AM	2.50	0.59	0.41	1 hr	9:40 AM	E	0.29	E	0.01	E						
Totals:	1193.4			20.75	6.64			6	Days	8.10		1.02		4	Days	8.81		0.40	

Typed or Printed Name and Title of Principal Executive Officer or Authorized Agent	Telephone
Al Greek , Director of Utilities	574-271-4210

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.

Signature of Principal Executive Officer or Authorized Agent	Date (mm/dd/yy)
Al Greek	07/17/20

National Pollutant Discharge Elimination System (NPDES)
CSO Monthly Report of Operation (CSO MRO)
State Form 50546 (R3 / 7-13)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City: City of South Bend		Page 2 of 11	Permit Number: IN0024520
Facility: South Bend Municipal WWTP		Public Notification Requirements Met? Y	
Monitoring Period: June 2020		Check box if no CSO discharge occurred for the month: ☐	
Design Peak Flow (Hourly) (MGD): 77	Design Flow (MGD): 48	Measured/Metered (M) or Estimated (E) must be specified	

	CSO Outfall No. 003						CSO Outfall No. 004						CSO Outfall No. 006						CSO Outfall No. 007					
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9	7:45 PM	M	1.33	M	0.58	E							6:25 PM	M	2.75	M	0.64	E						
10													10:40 AM	M	1.50	M	0.12	E						
11																								
12																								
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21	4:05 PM	M	2.17	M	4.03	E	5:50 PM	E	0.66	E	0.01	E	4:10 PM	M	2.25	M	2.43	E	5:50 PM	E	4.03	E	0.05	E
22	11:00 PM	M	1.00	M	1.37	E	8:05 PM	E	0.15	E	0.00	E	9:45 PM	M	2.00	M	1.46	E	8:05 PM	E	3.62	E	0.03	E
23	12:00 AM	M	0.75	M	0.47	E							12:00 AM	M	1.75	M	0.32	E						
24																								
25													12:15 AM	M	2.00	M	0.33	E						
26													10:45 PM	M	1.25	M	0.22	E	2:25 PM	E	0.11	E	0.00	E
27													12:00 AM	M	0.75	M	0.04	E						
28													11:55 PM	M	0.08	M	0.01	E						
29	12:15 AM	M	0.42	M	0.28	E							12:00 AM	M	3.17	M	2.44	E						
30																								
Totals:	5	Days	5.67		6.74		2	Days	0.81		0.01		10	Days	17.50		8.01		3	Days	7.76		0.08	

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City: City of South Bend		Page 3 of 11	Permit Number: IN0024520
Facility: South Bend Municipal WWTP		Public Notification Requirements Met? Y	
Monitoring Period: June 2020		Check box if no CSO discharge occurred for the month: ☐	
Design Peak Flow (Hourly) (MGD): 77	Design Flow (MGD): 48	Measured/Metered (M) or Estimated (E) must be specified	

	CSO Outfall No. 008						CSO Outfall No. 010						CSO Outfall No. 11A						CSO Outfall No. 11B					
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9	7:35 PM	E	4.42	E	0.04	E	7:35 PM	E	3.33	E	0.05	E							7:35 PM	E	2.94	E	0.26	E
10	12:00 AM	E	5.40	E	0.05	E	11:55 AM	E	2.12	E	0.02	E							11:55 AM	E	1.79	E	0.08	E
11																								
12																								
13	2:20 AM	E	0.00	E	0.00	E																		
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21	5:50 PM	E	6.17	E	0.11	E	5:50 PM	E	6.17	E	0.20	E							5:50 PM	E	6.17	E	1.42	E
22	12:00 AM	E	10.75	E	0.18	E	12:00 AM	E	5.58	E	0.18	E							12:00 AM	E	4.97	E	1.12	E
23	12:00 AM	E	8.25	E	0.13	E	12:00 AM	E	3.01	E	0.10	E							12:00 AM	E	2.42	E	0.54	E
24																								
25	1:15 AM	E	5.33	E	0.05	E	1:15 AM	E	3.08	E	0.04	E							1:15 AM	E	2.68	E	0.19	E
26	2:25 PM	E	9.58	E	0.10	E	2:25 PM	E	4.89	E	0.11	E							2:25 PM	E	4.55	E	0.66	E
27	12:00 AM	E	0.16	E	0.00	E																		
28																								
29	1:20 AM	E	5.33	E	0.05	E	1:20 AM	E	3.08	E	0.04	E							1:20 AM	E	2.68	E	0.19	E
30	12:15 PM	E	0.44	E	0.00	E																		
Totals:	11	Days	55.83		0.72		8	Days	31.26		0.75		0	Days			0.00		8	Days	28.20		4.47	

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Facility: South Bend Municipal WWTP		Public Notification Requirements Met? Y	
Monitoring Period: June 2020		Check box if no CSO discharge occurred for the month: ☐	
Design Peak Flow (Hourly) (MGD): 77	Design Flow (MGD): 48	Measured/Metered (M) or Estimated (E) must be specified	

	CSO Outfall No. 014						CSO Outfall No. 018						CSO Outfall No. 019						CSO Outfall No. 021					
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9	7:35 PM	E	0.28	E	0.01	E	7:35 PM	E	1.84	E	0.06	E	7:30 PM	E	0.21	E	0.00	E						
10																								
11																								
12																								
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21	5:50 PM	E	2.19	E	0.11	E	5:50 PM	E	6.17	E	0.63	E												
22	8:05 PM	E	1.98	E	0.08	E	12:00 AM	E	5.45	E	0.51	E	8:05 PM	E	0.63	E	0.01	E						
23							12:00 AM	E	3.37	E	0.30	E												
24																								
25	1:15 AM	E	0.16	E	0.01	E	1:15 AM	E	1.05	E	0.04	E	1:20 AM	E	0.42	E	0.01	E						
26	2:25 PM	E	1.03	E	0.05	E	2:25 PM	E	6.60	E	0.24	E	4:00 PM	E	0.57	E	0.01	E						
27																								
28																								
29	1:20 AM	E	0.16	E	0.01	E	1:20 AM	E	1.05	E	0.04	E												
30													9:25 AM	E	1.06	E	0.02	E	9:25 AM	E	0.17	E	0.00	E
Totals:	6	Days	5.80		0.27		7	Days	25.53		1.83		5	Days	2.89		0.05		1	Days	0.17		0.00	

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City: City of South Bend		Page 5 of 11	Permit Number: IN0024520
Facility: South Bend Municipal WWTP		Public Notification Requirements Met? Y	
Monitoring Period: June 2020		Check box if no CSO discharge occurred for the month: ☐	
Design Peak Flow (Hourly) (MGD): 77	Design Flow (MGD): 48	Measured/Metered (M) or Estimated (E) must be specified	

	CSO Outfall No. 022						CSO Outfall No. 025						CSO Outfall No. 026						CSO Outfall No. 027					
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9	7:45 PM	M	0.50	M	0.14	E													7:40 PM	E	0.09	E	0.00	E
10																								
11																								
12																								
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21																			5:20 PM	E	1.72	E	0.13	E
22	10:45 PM	M	1.00	M	0.48	E													11:10 PM	E	0.83	E	0.04	E
23																			12:00 AM	E	0.08	E	0.00	E
24																								
25	12:15 AM	M	0.75	M	0.50	E																		
26	10:45 PM	M	1.00	M	0.39	E													2:30 PM	E	0.32	E	0.02	E
27																								
28																								
29	12:20 AM	M	0.25	M	0.01	E																		
30	8:00 AM	M	1.00	M	1.08	E																		
Totals:	6	Days	4.50		2.60		0	Days			0.00		0	Days			0.00		5	Days	3.04		0.19	

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Design Peak Flow (Hourly) (MGD): 77	Design Flow (MGD): 48	Measured/Metered (M) or Estimated (E) must be specified	

	CSO Outfall No. 028						CSO Outfall No. 029						CSO Outfall No. 031						CSO Outfall No. 033					
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9							7:35 PM	E	1.09	E	0.01	E	7:35 PM	E	3.98	E	0.29	E	7:35 PM	E	2.89	E	0.01	E
10							11:55 AM	E	0.51	E	0.00	E	11:55 AM	E	2.63	E	0.12	E	11:55 AM	E	1.22	E	0.00	E
11																								
12																								
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21	5:50 PM	E	1.49	E	0.02	E	5:50 PM	E	3.00	E	0.06	E	5:50 PM	E	6.17	E	0.92	E	5:50 PM	E	6.17	E	0.03	E
22	8:05 PM	E	1.18	E	0.00	E	8:05 PM	E	2.55	E	0.05	E	12:00 AM	E	8.61	E	1.25	E	12:00 AM	E	8.18	E	0.04	E
23													12:00 AM	E	6.09	E	0.86	E	12:00 AM	E	5.60	E	0.03	E
24																								
25							1:15 AM	E	0.91	E	0.00	E	1:15 AM	E	3.74	E	0.23	E	1:15 AM	E	2.33	E	0.00	E
26	2:25 PM	E	0.03	E	0.00	E	2:25 PM	E	2.17	E	0.02	E	2:25 PM	E	5.56	E	0.67	E	2:25 PM	E	6.35	E	0.02	E
27																								
28																								
29							1:20 AM	E	0.91	E	0.00	E	1:20 AM	E	3.74	E	0.23	E	1:20 AM	E	2.33	E	0.00	E
30																								
Totals:	3	Days	2.70		0.02		7	Days	11.14		0.14		8	Days	40.52		4.57		8	Days	35.07		0.12	

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Facility: South Bend Municipal WWTP		Public Notification Requirements Met? Y	
Monitoring Period: June 2020		Check box if no CSO discharge occurred for the month: ☐	
Design Peak Flow (Hourly) (MGD): 77	Design Flow (MGD): 48	Measured/Metered (M) or Estimated (E) must be specified	

	CSO Outfall No. 035						CSO Outfall No. 036						CSO Outfall No. 037						CSO Outfall No. 038					
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9	7:35 PM	E	4.42	E	0.05	E	7:35 PM	E	0.72	E	0.00	E												
10	12:00 AM	E	6.10	E	0.05	E																		
11																								
12																								
13	2:20 AM	E	0.00	E	0.00	E																		
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21	5:50 PM	E	6.17	E	0.12	E	5:50 PM	E	3.79	E	0.03	E	4:35 PM	M	1.00	M	0.14	E						
22	12:00 AM	E	11.43	E	0.22	E	8:05 PM	E	3.50	E	0.02	E	10:40 PM	M	1.33	M	0.57	E						
23	12:00 AM	E	8.79	E	0.16	E																		
24																								
25	1:15 AM	E	5.91	E	0.05	E	1:15 AM	E	0.41	E	0.00	E												
26	2:25 PM	E	9.03	E	0.13	E	2:25 PM	E	2.61	E	0.01	E	10:45 PM	M	0.92	M	0.06	E						
27																								
28																								
29	1:20 AM	E	5.91	E	0.05	E	1:20 AM	E	0.41	E	0.00	E												
30	12:15 PM	E	0.08	E	0.00	E																		
Totals:	10	Days	57.84		0.83		6	Days	11.44		0.06		3	Days	3.25		0.77		0	Days			0.00	

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Design Peak Flow (Hourly) (MGD): 77	Design Flow (MGD): 48	Measured/Metered (M) or Estimated (E) must be specified	

	CSO Outfall No. 039						CSO Outfall No. 040						CSO Outfall No. 041						CSO Outfall No. 042					
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9	7:30 PM	E	0.68	E	0.02	E	7:40 PM	E	0.10	E	0.00	E												
10																								
11																								
12																								
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21							5:20 PM	E	1.80	E	0.05	E												
22	8:05 PM	E	2.03	E	0.05	E	11:10 PM	E	0.83	E	0.02	E												
23							12:00 AM	E	0.19	E	0.00	E												
24																								
25	1:20 AM	E	1.35	E	0.03	E																		
26	4:00 PM	E	1.84	E	0.05	E	2:30 PM	E	0.36	E	0.01	E												
27																								
28																								
29																								
30	9:25 AM	E	2.76	E	0.09	E							9:25 AM	E	0.92	E	0.00	E						
Totals:	5	Days	8.66		0.23		5	Days	3.28		0.08		1	Days	0.92		0.00		0	Days			0.00	

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CSO Monthly Report of Operation (CSO MRO)
State Form 50546 (R3 / 7-13)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City: City of South Bend		Page 9 of 11	Permit Number: IN0024520
Facility: South Bend Municipal WWTP		Public Notification Requirements Met? Y	
Monitoring Period: June 2020		Check box if no CSO discharge occurred for the month: ☐	
Design Peak Flow (Hourly) (MGD): 77	Design Flow (MGD): 48	Measured/Metered (M) or Estimated (E) must be specified	

	CSO Outfall No. 044						CSO Outfall No. 045						CSO Outfall No. 048						CSO Outfall No. 049					
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9							8:10 PM	M	1.83	M	0.78	E	7:30 PM	E	3.28	E	0.13	E						
10																								
11																								
12																								
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21							4:25 PM	M	4.08	M	4.89	E	6:30 PM	E	0.00	E	0.00	E						
22							11:10 PM	M	0.83	M	1.43	E	8:05 PM	E	3.92	E	0.19	E						
23							12:00 AM	M	3.33	M	2.86	E	12:00 AM	E	1.41	E	0.07	E						
24																								
25													1:20 AM	E	4.30	E	0.19	E						
26													4:00 PM	E	5.04	E	0.24	E						
27							12:00 AM	M	0.58	M	0.09	E												
28																								
29							1:20 AM	M	0.58	M	0.05	E	1:20 AM	E	0.69	E	0.02	E						
30													9:25 AM	E	7.03	E	0.38	E						
Totals:	0	Days			0.00		6	Days	11.25		10.10		8	Days	25.67		1.22		0	Days			0.00	

National Pollutant Discharge Elimination System (NPDES)
CSO Monthly Report of Operation (CSO MRO)
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INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City: City of South Bend		Page 10 of 11	Permit Number: IN0024520
Facility: South Bend Municipal WWTP		Public Notification Requirements Met? Y	
Monitoring Period: June 2020		Check box if no CSO discharge occurred for the month: ☐	
Design Peak Flow (Hourly) (MGD): 77	Design Flow (MGD): 48	Measured/Metered (M) or Estimated (E) must be specified	

	CSO Outfall No. 060						CSO Outfall No.						CSO Outfall No. [#]						CSO Outfall No. [#]					
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9	7:35 PM	E	4.42	E	0.00	E																		
10	12:00 AM	E	6.58	E	0.00	E																		
11																								
12																								
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21	5:50 PM	E	6.17	E	0.02	E																		
22	12:00 AM	E	8.31	E	0.03	E																		
23	12:00 AM	E	5.82	E	0.02	E																		
24																								
25	1:15 AM	E	6.22	E	0.00	E																		
26	2:25 PM	E	8.29	E	0.01	E																		
27																								
28																								
29	1:20 AM	E	6.22	E	0.00	E																		
30																								
Totals:	8	Days	52.03		0.08		0	Days			0.00		0	Days			0.00		0	Days			0.00	

National Pollutant Discharge Elimination System (NPDES)
CSO Monthly Report of Operation (CSO MRO)
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INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City: City of South Bend		Page: 11 of 11	Permit Number: IN0024520
Facility: South Bend Municipal WWTP		Public Notification Requirements Met? Y	
Monitoring Period: June Year: 2020		Check box if no CSO discharge occurred for the month: ☐	
Design Peak Hourly Flow (MGD): 77	Design Average Flow (MGD): 48		

Day of Month	Comments (further explanation as to why each CSO event occurred)
1	
2	
3	
4	
5	
6	
7	
8	
9	Precipitation Event Observed
10	Precipitation Event Observed
11	
12	
13	Precipitation Event Observed
14	
15	
16	
17	
18	
19	
20	
21	Precipitation Event Observed
22	Precipitation Event Observed
23	Precipitation Event Observed
24	
25	Precipitation Event Observed
26	Precipitation Event Observed
27	Precipitation Event Observed
28	Precipitation Event Observed
29	Precipitation Event Observed
30	Precipitation Event Observed

Typed or Printed Name and Title of Principal Executive Officer or Authorized Agent	Telephone
Al Greek , Director of Utilities	574-271-4210

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.

Signature of Principal Executive Officer or Authorized Agent	Date (mm/dd/yy)
Al Greek	07/17/20

CSO Public Notification - June

Day of Month	Day of Week	Total Daily Precip. (inches)	Total Daily CSO Discharge Volume (MG)	Notification Sent	Notes
1	Mon	-	-		
2	Tue	-	-		
3	Wed	-	-		
4	Thu	-	-		
5	Fri	-	-		
6	Sat	-	-		
7	Sun	-	-		
8	Mon	-	-		
9	Tue	0.56	3.13	YES	
10	Wed	0.27	0.45	YES	
11	Thu	-	-		
12	Fri	-	-		
13	Sat	0.09	0.00	YES	Estimated Overflow <10,000 Gallons
14	Sun	-	-		
15	Mon	-	-		
16	Tue	-	-		
17	Wed	-	-		
18	Thu	-	-		
19	Fri	-	-		
20	Sat	0.03	0.00		
21	Sun	1.34	16.33	YES	
22	Mon	0.84	9.58	YES	
23	Tue	0.03	5.87	NO	Overflow Continued From the 22nd
24	Wed	0.39	0.00		Overflow Did Not Begin Until 25th
25	Thu	0.21	1.74	YES	
26	Fri	0.76	3.22	YES	
27	Sat	0.10	0.13	YES	
28	Sun	1.36	0.01	NO	Overflow began at 11:55 PM, Notice Sent 6/29
29	Mon	0.07	3.41	YES	
30	Tue	0.59	1.58	YES	

Notes

Average Daily Flow	Average value of 5-min WWTP flow data
Peak Hourly Flow	Maximum value of the rolling hourly average flow rate
Time Precipitation Began	First precipitation recorded between the six rain gauges
Precipitation Duration	Cumulative duration of all precipitation for the day
Total Daily Precipitation	Maximum value of precipitation for all the six rain gauges
Peak Intensity	Maximum precipitation depth in an hour
Design Peak Hourly Flow	Per the NPDES Permit, the WWTP facility has a peak design flow of 77 MGD On June 21st, 22nd and 23rd, the peak design flow was 48 MGD per the City's CSO Operation Plan.

Metered CSOs

- CSOs 3, 6, 22, 37 and 45 are metered with flow meter equipment.
- Data is downloaded from these sites and entered into the report.
- Discharge begin time and duration is obtained from this data.
- Discharge volume is calculated using level data.

The meter at CSO 045 was not functioning for about an hour on June 16th. No precipitation ocurred during this period. There were no overflows that were missed as a result of the outage. CSO 045 Data from the prior reading was substititued during the outage period.

Other CSOs

For non-metered CSOs, matrix relating precipitation to CSO volume is used to calculate CSO volume and the same for duration. The matrix was created from the South Bend design storms SWMM model results. The discharge time is estimated from the precipitation start time

Rain Gauges

Used the following rain gauges data in the CSO MRO: Colfax, Ethanol, Vaness, Southfield, WWTP and Ironwood.
Rain data was lost on June 16th. No rain happened and zeros were substituted for the missing data.

Overflows less than 10,000 gallons are reported as 0.00 MG on the CSO MRO and as <0.01 MG on the NetDMR.

Precipitation Data Summary - Jun

Day of Month	Day of Week	Daily Precipitation (in)						Average Daily Precipitation (in)
		Colfax RG1	Ethanol RG2	Vaness RG3	Southfield RG4	WWTP RG5	Ironwood RG6	
1	Mon	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Tue	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Wed	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Thu	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Fri	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Sat	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Sun	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Mon	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Tue	0.32	0.56	0.52	0.35	0.52	0.32	0.43
10	Wed	0.22	0.22	0.27	0.07	0.27	0.08	0.19
11	Thu	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Fri	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Sat	0.04	0.03	0.00	0.01	0.00	0.09	0.03
14	Sun	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Mon	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Tue	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	Wed	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Thu	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Fri	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Sat	0.00	0.00	0.03	0.00	0.00	0.00	0.00
21	Sun	0.94	0.40	0.95	0.05	1.34	0.12	0.63
22	Mon	0.84	0.83	0.70	0.35	0.81	0.46	0.66
23	Tue	0.01	0.02	0.01	0.02	0.01	0.03	0.02
24	Wed	0.28	0.37	0.11	0.03	0.14	0.39	0.22
25	Thu	0.00	0.00	0.01	0.01	0.01	0.21	0.04
26	Fri	0.51	0.57	0.56	0.45	0.76	0.44	0.55
27	Sat	0.00	0.03	0.00	0.01	0.01	0.10	0.02
28	Sun	0.29	1.36	0.00	0.00	0.07	0.16	0.31
29	Mon	0.07	0.00	0.00	0.00	0.01	0.06	0.02
30	Tue	0.06	0.01	0.09	0.12	0.33	0.59	0.20

City of South Bend, Indiana
CSO Overflow Summary
JUNE 2020

NUMBER OF OVERFLOW EVENTS IN JUNE 2020 = 10

CSO Outfall	Total Overflow Duration (Hours)	Total Overflow Volume (MG)	Number of Overflow Events[1]
001	8.10	1.02	6
002	8.81	0.40	4
003	5.67	6.74	5
004	0.81	0.01	2
006	17.50	8.01	10
007	7.76	0.08	3
008	55.83	0.72	10
010	31.26	0.75	7
11A			0
11B	28.20	4.47	7
014	5.80	0.27	6
018	25.53	1.83	6
019	2.89	0.05	5
021	0.17	0.00	1
022	4.50	2.60	6
025			0
026			0
027	3.04	0.19	4
028	2.70	0.02	3
029	11.14	0.14	7
031	40.52	4.57	7
033	35.07	0.12	7
035	57.84	0.83	10
036	11.44	0.06	6
037	3.25	0.77	3
038			0
039	8.66	0.23	5
040	3.28	0.08	4
041	0.92	0.00	1
042			0
044			0
045	11.25	10.10	7
048	25.67	1.22	8
049			0
060	52.03	0.08	7
Total		**45.4**	

This tab summarizes the total overflow volume, total overflow duration and number of overflow events for every CSO for that particular month.

[1]More than one event on the same day is counted as one event.
If an Overflow event is rolled over to the next day, it is still counted as one event.