



**National Pollutant Discharge Elimination System (NPDES)
CSO Monthly Report of Operation (CSO MRO)**

State Form 50546 (R4 / 9-15)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City: Waterloo				Page 1 of 9				Permit Number: IN0020711											
Facility: Waterloo Water Pollution Control				Public Notification Requirements Met? Y															
Monitoring Period: April 2019				Enter "x" if no CSO discharge occurred for the month:															
Design Peak Hourly Flow (MGD): 0.42				Design Average Flow (MGD): 0.369				Measured/Metered (M) or Estimated (E) must be specified											
WWTP Influent Data			Precipitation Data					CSO Outfall No. 101C					CSO Outfall No.						
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	0.63	0.74	12:10 PM	0.25	0.01	0.01	15 min	12:01AM	M	24.00	M	0.499							
2	0.62	0.75						12:01AM	M	24.00	M	0.147							
3	0.59	1.01						12:01AM	M	10.00	M	0.04							
4	0.61	1.02	8:04 AM	2.40	0.10	0.02	15 min												
5	0.61	1.12																	
6	0.47	0.73																	
7	0.45	0.82	10:48 PM	0.40	0.09	0.09	15 min												
8	0.42	0.71																	
9	0.43	1.00																	
10	0.30	0.57	18:58PM	0.65	0.04	0.02	15 min												
11	0.27	0.52																	
12	0.30	0.56	5:57 AM	2.40	0.28	0.07	15 min												
13	0.26	0.51																	
14	0.51	0.74	3:09 AM	11.50	0.87	0.08	15 min												
15	0.62	0.75	6:50AM	0.50	0.02	0.01	15 min												
16	0.57	0.83																	
17	0.55	0.87																	
18	0.53	0.82	7:35 AM	7.17	0.57	0.09	15 min												
19	0.63	0.73	23:59 AM	4.97	0.28	0.03	15 min												
20	0.64	0.73	9:35 AM	9.67	0.66	0.03	15 min												
21	0.60	0.70						1:44 AM	M	22.00	M	1.087							
22	0.63	0.90						12:01 AM	M	24.00	M	0.3							
23	0.60	0.91						12:01 AM	M	13.00	M	0.071							
24	0.56	0.85																	
25	0.55	0.85	15:07 PM	6.25	0.52	0.04	15 min												
26	0.63	0.71	23:59 PM	4.47	0.36	0.06	15 min	8:27 AM	M	16.00	M	0.604							
27	0.62	0.71	14:24 PM	7.17	0.51	0.04	15 min	12:01AM	M	24.00	M	0.33							
28	0.60	0.70	11:59 PM	2.48	0.13	0.03	15 min	12:01AM	M	24.00	M	1.574							
29	0.60	0.73	9:05 AM	4.48	0.51	0.10	15 min	12:01 AM	M	24.00	M	0.999							
30	0.67	0.93	10:10 AM	4.17	0.80	0.17	15 min	12:01 AM	M	24.00	M	1.588							
Totals:	16.05			68.93	5.75			11	Da ys	229.00		7.239		0	Da ys	0.00		0	
Typed or Printed Name and Title of Principal Executive Officer or Authorized Agent												Telephone							
DAVID BOLTEN												260-908-3250							
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)							
DAVID BOLTEN												05/23/19							



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Design Peak Flow (Hourly) (MGD): 0.42					Design Flow (MGD): 0.369					Measured/Metered (M) or Estimated (E) must be specified														
Day of Month	CSO Outfall No.						CSO Outfall No.						CSO Outfall No.						CSO Outfall No.					
	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
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Design Peak Hourly Flow (MGD): 0.42	Design Average Flow (MGD): 0.369	

Day of Month	Comments (further explanation as to why each CSO event occurred)
1	CSO occurred due to saturated ground and rain/snow melt events
2	CSO occurred due to saturated ground and rain/snow melt events
3	CSO occurred due to saturated ground and rain/snow melt events
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21	CSO occurred due to saturated ground and rain/snow melt events
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31	

Typed or Printed Name and Title of Principal Executive Officer or Authorized Agent David Bolton	Telephone 260-908-3250
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Signature of Principal Executive Officer or Authorized Agent David Bolton	Date (mm/dd/yy) 05/23/19