

National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO) Stale Form 50546 (R3 / 7-13)

City:	City of So			OF ENVIRO	ONMENTAL M	ANAGEMEN	VI:			Page	1 of	11		F	em	it Number:	IN	0024520	
			pal WWTP										tific	ation Requ	-	100			15
ACC MAN	ing Period	v - 0	nuary	2024	E 450		710						_	CSO disch			_	the month:	
Design	Peak Hour	ty Flow (I	/IGD):	77	Design Av	erage Flow	(MGD):	48		Measured	-		-	stimated (E			-		
WWT	Influent	Data		Pr	ecipitation [)ata			С	SO Outfall	No.	.001	I	A ARMY	С	SO Outfall	No.	002	R
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)	Measureme nt Interval (hr, 30 m, 15 m)	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharg e (MG)	M	Time Discherge Began	M or E	Event Duration (Hours)	M	Event Discharge (MG)	More
1	22,5	25.2	1:00 PM	0.08	0.01	0.01	1 hr								П		П		Г
2	23.3	26.9			38.5														
3	23,9	26,9			80														
4	23.5	26.2			120														
5	23.7	27.9																	
6	23,3	26.6			32						L								
7	24.1	27.1	2:15 AM	1.25	0.05	0.02	1 hr				L								
8	23.5	25.8			141														
9	43.9	79,6	12:50 AM	13,67	1.03	0,13	1 hr	3:10 AM	E	1.85	E	0.20	E	3:10 AM	E	1.87	E	0.01	E
10	31.2	48.6	12:15 AM	2,00	0.08	0,03	1 hr .				L								
11	25.8	28.6	5:25 AM	0,08	0.01	0.01	1 hr				L								
12	27.0	33.5	9:10 AM	8.92	0.65	0.16	1 hr	11:20 AM	E	0.84	E	0.04	E						
13	27.0	34.6	5:05 AM	3.42	0.22	0.06	1 hr												
14	25,1	28,7																	
15	25,3	28.8			296						L		L		L		L		
16	25.8	29.6			08										L	11	L		L
17	26.0	28.8			-										L				
18	25.9	29,2	3:25 AM	2,75	0.09	0,04	1 hr								L		L		
19	26.3	30.2	12:40 AM	2,33	0.09	0,03	1 hr				L		L		┖		L		L
20	25.8	29.6			ie:						L		L		L		L		L
21	25,6	29.3			946										L		L		L
22	26,0	29.4	12:15 PM	1.17	0.05	0.03	1 hr				L		L		L		L		L
23	34,2	47.3	12:15 AM	7.75	0.38	0.07	1 hr	2:50 AM	E	0,15	E	0,01	E		L		L		\perp
24	46,5	78,3	4:20 AM	6.58	0.72	0,34	1 hr	6:20 AM	Е	0,18	E	0.01	E		L		L		
25	41.4	80.1	8:05 PM	3.75	0.49	0.18	1 hr	10:20 PM	Е	0,59	E	0.03	E		L				\perp
26	52,6	79.7	12:00 AM	3,17	0,28	0.10	1 hr				L				L				
27	38,5	75.5	6.35 AM	4,25	0.32	0,13	1 hr	9:50 PM	E	0,04	E	0.00	E		L		L		_
28	50,0	77.6	12:00 AM	4,75	0.23	0.05	1 hr		L		L		L		L		-		1
29	36.4	38.7									L		L		L		┞		
30	36.3	40.6	4:25 AM	1,00	0.08	0.08	1 hr				L				L		1		
31	34_0	36.7	8:35 AM	0.08	0.01	0.01	1 hr				_		L				L		L
Totals:	944.4	100	RUB I	67.00	4.79			6	Da ys	3.65		0.28		1	Da ys	1.87		0.01	
				cipal Exec	utive Office	r or Autho	rized Agent	COX		ALL				Telephone	ŀ		PN	100	
I CERTII WITH A INQUIR' SUBMIT SUBMIT	FY UNDER SYSTEM I Y OF THE TED IS, TO TING FAL	R PENALT DESIGNE PERSONS O THE BE SE INFOR	D TO ASSUR S WHO MAN ST OF MY K RMATION, IN	RE THAT Q AGE THE : (NOWLED) CLUDING	DOCUMENT JUALIFIED P SYSTEM OR GE AND BEL THE POSSIE rized Agent	ERSONNE THOSE P JEF, TRUE	L PROPERL ERSONS DIE , ACCURAT	Y GATHER RECTLY RE E, AND CO!	AN SPO	D EVALUA DNSIBLE F .ETE. I AN	TE 1 OR (THE INFO GATHERI VARE TH	RM NG AT	ATION SUB THE INFOR THERE ARE	MIT RMA SIC	TED. BASI TION; THE SNIFICANT	N AC	CCORDANI ON MY ORMATION	V
	XT	no	m												_	24			



City:	City of Sc	outh	Bend										Page 2	of	11			Pem	nit Number:	IN	0024520			
Facility	:South Be	nd l	/lunicipa	ıl W	WTP									F	ublic No	tific	ation Requ	iren	nents Met?	Y		N.		M
Monitor	ring Period:		Januar	y	2024		15								Che	ck t	oox if no (csc	discharge	9 00	curred f	or th	e month	. 🗆
Design	Peak Flow	(Ηοι	rly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (I	E) m	ust be spec	ifie	d			
	230	cs	O Outfall	No.	003		- 101	CS	O Outfall	No.	004	j		cs	O Outfall	No.	006			C	SO Outfall	No.	007	I
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	MorE	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	MorE	Event Duration (Hours)	M or E	Event Discharge (MG)	M
1		П		П		П		П						П		Г		T		T		Т		T
2		П				П		П				Г				Г		T		T		П		T
3		П		Г		П		П								Г				T				
4		П		Г				П						П						T				T
5		П		Г		П		П								П		Г		T				T
6		П				П		П										Г		T				T
7		П				Г		П																T
8								П										Γ						
9		П					3:10 AM	Е	0,20	E	0.00	E	3:35 AM	E	3,02	E	0.72	E	3:10 AM	E	3.66	Е	0.03	E
10								П																
11																		Г						T
12													11:40 AM	Е	1.75	Е	0.37	E	11:20 AM	E	1.35	Е	0.01	E
13		П																Г		Γ				Г
14																								
15																								
16																								
17																								
18		Ш																						
19																								
20																								
21																								
22		Ш																						
23													2:30 AM	E	0.23	E	0.05	E						
24						Ц		Ц																
25		Ш											10:20 PM	E.	1.52	E	0.32	E						
26		Ш																						
27																								
28		Ш																						
29																								
30																								
31		Ш																						
Totals:	0	Ďa ys			0.00		1	Da ys	0.20		0.00		4	De ys	6.52		1.45		2	Da ys	5.01		0.04	



City:	City of So	uth	Bend										Page 3	of	11		P	em	it Number:	IN	0024520			_
Facility:	South Bei	nd N	/lunicipa	ı w	WTP									Pu	ıblic Noti	fica	tion Requ	iren	nents Met?	Υ			8 W 8	V
Monitor	ing Period:	V.	January	,	2024							ij	il V×		Chec	k b	ox if no C	sc	discharge	00	curred f	or th	e month:	: C
Design	Peak Flow	(Hou	ırly) (MGI	D):	77		Design Fl	ow	(MGD):	ij	48		Measured/	Met	ered (M)	or E	stimated ((E) (must be spe	cifi	ed			
		csc	Outfall I	No.	800			cso	Outfall I	No.	010			cso	Outfall	No.	11A			C	SO Outfal	l No.	11B	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M	Event Discharge (MG)	M	Time Discherge Began	M or E	Event Duration (Hours)	Mor	Event Discharge (MG)	Mor	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M oi
1			(,,,	П		T												T						T
2		П		П		T						T				П		T						T
3		П		П		T		П		Г		Г		Г		Г		T						T
4		П		Г		T				Г		Г				Г		Т		Г				T
5		П		T		T						Г						Τ						
6		П		T		T				Г		Г				Г		T		Г				
7		П		П		T		П				П								Г				
8										Г		Г				Г								
9	3:10 AM	E	12.25	E	0,20	E	3:10 AM	E	7.02	E	0,22	Е							3:10 AM	E	6.43	E	1.44	E
10	2:15 AM		0.00	E	0.00	E												П		Г				T
11		П		Ī		T		П		Г				T		П		Г						Γ
12	11:20 AM	E	10.54	E	0.13	E	11:20 AM	E	5,54	E	0,15	E		Г		Г		Г	11:20 AM	E	5,11	E	0,91	E
13	8:20 AM	E	0.88	E	0.00	E								Ī		П		T						
14				П														T						
15		П		T		T						Γ						Π						
16				Г		Ī												Ι						
17				П						Г														
18	6:35 AM	E	0.44	E	0,00	E								Γ										
19																								
20		П		Г																				
21																								
22	2:20 PM	Ε	0.00	E	0.00	E																		1
23	2:30 AM	E	5,33	E	0.05	E	2:30 AM	E	3.08	E	0.04	E							2:30 AM	E	2.68	E	0.19	E
24	6:40 AM		5,53	E	0.05	E	6 40 AM	Ε	3.17	E	0,05	E				L			6:40 AM	E	2.77	E	0.22	E
25	10:10 PM	E	1,83	E	0.02	E	10:10 PM	E	1.83	E	0,03	Ε							10:10 PM	E	1.83	E	0.16	E
26	12:00 AM	E	5,65	E	0.07	E	12:00 AM	E	3.40	E	0.04	E							12:00 AM	E	2.73	E	0,17	E
27	9:20 PM	E	2.67	E	0.02	E	9:20 PM	E	1,90	E	0.02	E							9:20 PM	E	1.62	E	0.08	E
28	12:00 AM	E	2.29	E	0.01	E																		
29						Ι																		
30	6:40 AM	E	0.44	E	0.00	E																		
31														L										1
Totals:	13	De ys	47.85		0.55		7	Da ys	25.94		0.56		0	Da ys			0.00		7	De ys			3.17	



City:	City of Sc	outh	Bend										Page 4	of	11			em	nit Number:	1N	0024520			
acility:	South Be	nd f	Municipa	ıw	WTP									Р	ublic Not	ifica	ation Requ	iren	nents Met?	Υ				
Aonitor	ing Period:		Januar	y	2024										Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month:	
Design	Peak Flow	(Hou	urly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) rr	ust be spe	cifie	d	16		
Au =	105	cs	O Outfall	No.	014		With the	cs	O Outfall	No.	018		ulya Hiji	cs	O Outfall	No.	019			C	SO Outfall	No.	021	J
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M of E	Time Discharge Began	M of 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 Discherge (MG)	M or E
1	Sogan	Ť	(Hodrs)	Ť	(iiiO)	Ť	Degan		(HODIS)	H	(III)O/		Degan	F	(ilouis)	Ė	(mo)	Ė	Degan	F	tious		(mo)	T
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3		т		H		Н		Н		-		-		Н		-		H		\vdash		Н		╁
4		Н		\vdash		Н				Н						┢		H	-	╁				╁
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8		H		H		H		H		H						\vdash		H		\vdash		Н		╁
9	3:10 AM	E	2.00	E	0.08	E	3:10 AM	E	7.33	E	0.67	E	2.55 004	-	1,92	E	0.07	Е	2:55 014	ŀ	0.74	E	0.00	E
10	3:10 AIVI	-	2,00	-	0.08	۴	3:10 AIVI	E	7.33	=	0,67	=	2:55 AM	-	1,92	-	0,07	F	2:55 AM	۴	0,71	_	0,00	1=
11		Н		H		۲		Н		Н		_		Н		╁		H		H				╁
12	11:20 AM	-	1.35	E	0.06	Ε	11:30 004	F	6.81	E	0.20	E	11120 000	-	0.00	E	0.04	E		+		Н		+
13	11.20 AW	5	1,33	-	0.06	۴	11:20 AM	Ę.	0.01	-	0.38	5	11:20 AM	=	0.63	E.	0.01	E		t		Н		╁
14		H		H		H		H		H				Н		1		H		t		Н		+
15		H		1		t		Н		1				-		H		H		t				+
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19		H		H		t		H						\vdash		1		H		H		H		+
20		\vdash		H		t		H		H		Н		1		t		\vdash		t		\vdash		+
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22		Ħ		H		H		Н						H		H		H		t				
23	2:30 AM	E	0.16	E	0.01	E	2,20,044	F	1.05	E	0.04	E	2,25 004	-	0.12	E	0.00			+		\vdash		+
24	6:40 AM		0.16	E	0.01	Т	2:30 AM		1.05		0.04		2:35 AM		0.12	1	0.00	E		+		H		+
25		$\overline{}$	0.20			E	6:40 AM	П	1_32	E	0.05	E	6:45 AM	Т	0.30	E	0.00	E	_	+		\vdash		+
26	10:10 PM	=	0.28	E	0.01	E	10:10 PM	П	1.83	E	0,06	E	10:05 PM	E	0,69	E	0.01	E		+				+
27		+				t	12:00 AM	느	0,01	E	0,00	E		-		-		\vdash		+		\vdash		+
28		+		1		t	-	H		-		\vdash		-		╁		+		+		\vdash		+
29		+		1		t		H		-	-	\vdash		+		1		\vdash		+		\vdash		+
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31		+				H		H				\vdash		-		-		+		+		\vdash		╁
01		Da	TANK		110000	H		Da						Da	300					Da				+
Totals:	5	ys	3.99		0.17	L	6	Da ys	18.35		1.20		5	ys	3.66		0.09		_ 1	ys	0.71		0.00	



City:	City of Sc	outh	Bend										Page	5 of	11		F	Pem	nit Number:	IN	0024520			
acility:	South Be	nd f	Municipa	al W	WTP									P	Public Not	ifica	ation Requ	iren	nents Met?	Υ	118		HALF	70
Monitor	ing Period:		Januar	y	2024									1.5	Chec	k b	ox if no C	so	discharge	00	curred fo	or th	e month:	. [
Design	Peak Flow	(Ho	urly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M) c	or E	stimated (E) m	ust be spe	cifie	ed	X2:55		
		cs	O Outfall	No.	022	10	1 3	cs	O Outfall	No.	025			cs	O Outfall	No.	026	Û	Mary W	C	SO Outfall	No.	027	
Day of Month	Time Discharge	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M	Time Discharge	M or E	Event Duration (Hours)	M or E	Event Discharge	M or E		M or E	Event Duration	M or E	Event Discharge (MG)	M	Time Discharge	Mor	Event Duration	М	Event Discharge	
1	Began	15	(Hours)	-	(ma)	15	Began	=	(LIGUIS)	-	(MG)	-	Began	-	(Hours)	-	(MG)	-	Began	-	(Hours)	or E	(MG)	10
2		Н				H							1			Н		Н		H		Н		+
3		Н				+								H		-		H		H				+
4		H		Н		╁		Н						Н	-			Н		H				+
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6		H																-		T				+
7		H																		-				+
8		H								_										1				1
9	12:35 PM	M	8.08	м	1.75	E													3:05 AM	E	1.89	E	0.16	E
10	14.00 / 10	1,0,1	0.00	///	1,,,,	-													5.05 AW	-	1.03	-	0.10	-
11		П				H																		1
12		П				П													11:15 AM	E	0,69	E	0.03	E
13		П		Г		П		П		Т				Г					7,7,7,5,7,10	Ī	0,00		0.00	-
14		П				П														T		Г		T
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22																								
23																								
24	1:35 PM	М	6.08	М	2.14	Ε													6:25 AM	Ε	1,01	Е	0,05	Ε
25	9:05 PM	м	2,92	М	2,34	Е																		
26	12:00 AM	M	8.08	М	3,49	E																		
27	10:05 PM	M	1,92	M	0.63	Ē																		
28	12:00 AM	М	1.92	M	0.12	Ē																		
29																								
30																								
31																								
otals:	6	Da ys	29.00		10.48	П	0	Du ys	0,000		0.00		0	Da ys			0.00	19	3	Da ys	3.59		0.24	13



City:	City of So	uth	Bend										Page 6	of	11		F	Perm	it Number:	IN	0024520			
Facility:	South Be	nd l	Municipa	ıw	WTP									Р	ublic Not	ifica	ation Requ	iiren	ents Met?	Y				
Monitor	ing Period:		Januar	,	2024			li		-,,					Chec	k b	ox if no C	so	discharge	ОС	curred fo	or th	e month:	. 🗆
Design I	Peak Flow	(Hot	urly) (MGI	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M) e	or E	stimated (E) rr	ust be spec	ifie	d	П		Ġ.
		cs	O Outfall	No.	028			ÇS	O Outfall	No.	029		ser Hill	cs	O Outfall	No.	031		(E)	C	SO Outfal	No.	033	
Day of Month	Time Discharge Began	Mor	Event Duration (Hours)	Mor	Event Discharge (MG)	M or E	Time Discharge Began	M	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)	MorE	Event Discharge (MG)	e M
1	Dugan	Ħ	(riouis)	Ē	(IIIO)	Ť	Degan	F	Wiodist		(mo)	-	Degan		tungi		(mo)	Ė	Degan	Ė	(tlouis)	01.2	(mo)	100.0
2		Н		Н		t		H				Н		Н				H		Н		Н		+
3		Н				t		H		Н		H		H		H		\vdash		Н				+
4		Н		H		T		H				\vdash		t		Н		H		Н		Н		+
5		П				t		Г		П				T		Г		\vdash		H				+
6		Н				t		t		F				T		F	-	T	7	H				+
7		H		1		T		T						T		H		T		H				T
8		Н		Н		T		H						T		H		T		Н				+
9	3:10 AM	E	1.21	E	0.01	E	3:10 AM	E	2.59	E	0.05	E	3:10 AM	E	10.09	E	1.43	E	3:10 AM	E	9.61	E	0.04	E
10	J. TO AM		1.21	-	0.01	۲	3.10 AW	Ė	2.53		0.03	-	3.10 AW	-	10.03	-	1.43	-	3. 10 AIVI	-	3,01	-	0,04	1
11		П		Т		t		T						T		T		T		T		Т		$^{+}$
12	11:20 AM	E	0.42	E	0.00	E	11 20 AM	E	2.26	E	0.03	E	11:20 AM	E	7.09	E	0.92	E	11:20 AM	E	7.41	E	0.03	E
13	1 (.20 File)		0.42		0.00	Ť	11.20 AM	Ť	2.20		0.00	_	11.20 AW	Ť	7.03		0.32	-	11.20 AW	-	7.41		0.03	+
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23		П				T	2:30 AM	E	0.91	E	0.00	E	2:30 AM	E	3.74	E	0.23	E	2:30 AM	E	2.33	E	0.00	E
24		П				T	6:40 AM	T	0.97	E	0.00	E	6.40 AM	1	3.82	E	0.25	E	6:40 AM	Т	2.52	E	0.00	E
25							10:10 PM	Т	1.09	E	0.01	E	10:10 PM	Т	1.83	E	0.13	E	10:10 PM	т	1.83	E	0.00	E
26						T	2:00 AM	Т	0.46	E	0.00	E	12:00 AM		4.37	E	0.26	E	12:00 AM	Т	2.16	E	0.00	E
27						T	9:20 PM	Т	0.46	E	0.00	E	9:20 PM	Т	2.37	E	0.10	E	9:20 PM	Т	1.10	E	0.00	E
28				Г		T	5.25	Ē		Ē		Ī		Ť		Ť	3.10	Ť	5.2011	Ī		Ī	1.00	Ť
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City:	City of Sc			ARIT	MENT OF E	MAII	RONMENTAL	, mr	INAGEME	*1			Page 7	of	11		F	² erm	it Number:	IN	0024520			
Facility:	South Be			ı W	WTP									Р	ublic Not	ifica	tion Requ	iren	nents Met?	Υ				
	ing Period:		Januar		2024		16.53	9.	U.						Chec	k b	ox if no C	so	discharge	ОС	curred fo	or th	e month:	
	Peak Flow		ırly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M) d	or Es	stimated (i	E) m	ust be spec	ifie	d	ď		
		CS	O Outfall	No.	035			cs	O Outfall	No.	036			cs	O Outfall	No.	037		LA DUT	CS	SO Outfall	No.	038	
Day of	Time Discharge Began	M 10	Event Duration (Hours)	M of E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	MorE	Event Discharge (MG)	M
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9	3:10 AM	Ε	12.80	E	0,24	Е	3:10 AM	Е	3,53	Е	0.02	E												
10	2:15 AM	E	0.00	E	0,00	Ε												L		L				
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12	11:20 AM	E	10,27	E	0.17	Ε	11:20 AM	E	2.91	E	0.01	E								L				_
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23	2:30 AM		5.91	E	0.05	E	2:30 AM		0,41	E	0.00	E	1		-	-		-		\vdash		┝		-
24	6:40 AM		6.05	E	0.06	Е	6:40 AM	1	0,52	E	0.00	E	3:10 PM		0.42	M	0.00	Ε	-	H		-		+
25	10:10 PM		1.83	E	0.02	E	10:10 PM	E	0.72	E	0.00	E	9:50 PM	П	2.17	М	0.17	E		┝	-	-		+
26	12:00 AM		5,79	E	0.07	E		-		\vdash	-	+	12:00 AM	M	1.17	М	0.03	E		H	-	+		+
27	9:20 PM		2.67	E	0.02	E		-		-		-		\vdash		-		+		H	 	+		+
28	12:00 AN	1E	1.37	E	0.01	E		-		-		┝		\vdash	-	╁		+	-	H		+		+
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30	6 40 AM	E	80.0	E	0.00	E		┝		\vdash	-	+	-	\vdash		\vdash	-	+	-	+	 	+	-	+
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Totals:	13	ys	47.02		0.64		5	ys			0.04		3	γs	3.75		0.20		0	ys	L		0.00	



City:	City of So						RONMENTA	-					Page 8	of	11			erm	nit Number:	IN	0024520			_
Facility:	South Bei	nd l	Aunicipa	ılW	WTP									-		ifica	ation Requ	iren	nents Met?	Υ	Tollar II	8	d vik	H
WITH I	ing Period:	-0-	Januar		2024				-150										discharge	_	curred fo	or th	e month:	
Design	Peak Flow	(Hou	ırly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met					ust be spe					
			O Outfall		039			100	O Outfall	No.	040				O Outfall			i			SO Outfall	No.	042	
Day of	Time Discharge	M	Event Duration	М	Event Discharge		Time Discharge	M	Event Duration	M	Event Discharge	M		M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	М	Event Discharge	м
Month	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	or E
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4						L		L						L						L				1
5		Ш		Ш		L		L		Ш												L		1
6						L						_				L		_						L
7						L		L		_														1
8						L		L																
9	2:55 AM	E	3.92	E	0.18	E	3:05 AM	E	1.92	E	0.06	E	2:55 AM	E	1.94	Ε	0.02	E						
10																								
11																								
12	11:20 AM	E	2.03	E	0.05	E	11:15 AM	E	0.77	E	0.01	E												
13						L																		
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23	2:35 AM	E	0.39	E	0.01	E						П												\top
24	6.45 AM		0.97	E	0.02	E	6:25 AM	E	1.12	E	0.02	E								T				
25	10:05 PM		1.92	E	0.05	E	U.E.S AIVI	Ē	1+14		UUZ	_		Г						t				T
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91		Dai				H		Da	ACC					Dа			He of the			De				+
Totals:	6	ys	9.53		0.32		3	Da ys	3.81		0.10		11	Da ys	1.94		0.02		0	Da ys	-311		0.00	



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

City:	City of So	uth	Bend									_	Page 9	of	11	_	F	erm	it Number:	IN	0024520			_
acility	South Bei	nd l	/lunicipa	IW	WTP							_	13713	Р	ublic Not	ifica	tion Requ	ren	nents Met?	Υ				_
lonitor	ing Period:		January	_	2024							U			Chec	k bo	ox if no C	so	discharge	ОС	curred fo	r th	month:	
esign	Peak Flow	(Hou	ırly) (MGI	D):	77		Design Fl	OW	(MGD):		48		Measured/	Met	ered (M) d	or Es	stimated (E) m	ust be spec	ifie	d	le,		
	The state of	CS	Outfall	No.	044			cs	O Outfall	No.	045			cs	O Outfall	No.	048		10.23	CS	O Outfall	No.	049	
Day of Month	Time Discharge Begen		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)	or
1																								
2																								
3																								
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5																								
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7																								
8																								
9							4:15 PM	м	2,58	М	0.24	E	2:55 AM	E	10.82	E	0.65	E						
10		П																						
11		П																						
12													11:20 AM	E	5.33	E	0.26	Е						
13													7:10 AM	E	1.73	E	0.05	E						
14																								
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20																				L				
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23													2:35 AM	E	2,84	E	0.10	E		L				1
24													6:45 AM	E	3,72	E	0.16	E						
25							10:50 PM	м	1.17	м	0.41	E	10:05 PM		1,92	E	0.10	E						
26							12:00 AM	М	2.50	м	1.01	E	12:00 AM	1	4.08	E	0.24	E						
27													8:55 AM	E	1.73	E	0.05	E						
28													2:15 AM	E	1.04	E	0.03	E						
29		Π				Г		Γ																
30								Γ																
31																								
Totals:	0	Da ys	ne book		0.00	T	3	Da ya	6.25		1.66		9	Da ys	33.21		1.62		0	De ys	SY N		0.00	T



City:	City of So	uth	Bend										Page 10	of	11		F	егп	it Number:	IN	0024520			
Facility:	South Be	nd N	Aunicipa	١w١	NTP								177	P	ublic Not	ifica	tion Requ	iren	nents Met?	Υ				
Monitor	ing Period:		January		2024						- 1				Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month:	: 🗆
Design	Peak Flow	(Hou	ırly) (MGE)):	77		Design Fl	low	(MGD):		48		Measured/	Met	ered (M) o	or Es	stimated (E) m	ust be spec	cifie	d			
		cs	O Outfall	No.	060			cs	O Outfall	No.			Jan Till	cs	O Outfall	No.	[#]	3/5		C	SO Outfall	No.	[#]	
Day of	Time Discharge	M	Event Duration	Mor	Event Discharge	M	Time Discharge	Mor	Event Duration	M	Event Discharge	M	Time Discharge	M		M	Event Discharge	M	Time Discharge	М	Event Duration	М	Event Discharge	
Month 1	Began	E	(Hours)	E	(MG)	E	Began	F	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	or
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9	2-10-001	F	0.00	-	0.00	-		-														-		╁
10	3:10 AM	E	9.83	E	0.03	E		H		H		Н	-	H		H		H		H		-		+
11		H		H		⊢		╁		-				Н		H		H		╁		-		╁
12	44.00.014	-	0.70	-	0.00	-	-	╁	_	_	-	Н		Н				Н		\vdash		-	-	╁
13	11:20 AM	E	8.73	E	0.02	E		╁				Н		Н		-		H		┢		-		╁
14		H		H		┢		╁								H		H		H		-		t
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28	9:20 PM		2.67	E	0.00	E		+		-				\vdash		\vdash		-		+		-		+
29	12:00 AM	E	1.37	E	0.00	E	-	+		-		-	-	H		\vdash		-		H		-		+
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	8	Day	43.01	-	0.06		0	Da			0.00		0	Da ys			0.00		0	De			0.00	+



City:	City of South Bend				Page: 11 of 11	Permit Number: IN0024520
Facility:	South Bend Municipal WWTP				Public Notific	ation Requirements Met? Y
Monitor	ing Period: January Year:	2024			Check box if no	CSO discharge occurred for the month:
			AND DESCRIPTION			
Design	Peak Hourly Flow (MGD):	77	Design Average Flow (MGD):	48		
Day of Month		41		4	INVESTIGATION OF	Walter of the San Land
1	Comments (further expla	nation as	to why each CSO event occurre	90)		
2						
3						
4						
5						
6						
7						
8						
9	Precipitation Event Observed					
10	Precipitation Event Observed					
12	Precipitation Event Observed					
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18	Precipitation Event Observed					
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21	Beerleiter Frank Observed					
22	Precipitation Event Observed Precipitation Event Observed					
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25	Precipitation Event Observed					
26	Precipitation Event Observed					
27	Precipitation Event Observed					
28	Precipitation Event Observed					
29						
30	Precipitation Event Observed					
31						
Typed o	r Printed Name and Title of Pri	ncipal Exe	cutive Officer or Authorized Agent			Telephone
Kim Tho	mpson , Director of Wastewater					574-235-5969
						CTION OR SUPERVISION IN ACCORDANCE
						ATION SUBMITTED. BASED ON MY
						THE INFORMATION; THE INFORMATION
			THE POSSIBILITY OF FINE AND IN			THERE ARE SIGNIFICANT PENALTIES FOR
				I NOUNIENI	TOR RIVOVING VIOLATION	
oignatu	re of Principal Executive Office	or Autho	inzed Agent	-		Date (mm/dd/yy)
	KInon					2.03.24
	The same of the sa					

CSO Public Notification - January

Day of Month	Day of Week	Total Daily Precip. (inches)	Total Daily CSO Discharge Volume (MG)	Notification Sent	Notes
	Mon	0.01	0.00		
2	Tue	-	- 2		
3	Wed		*		
4	Thu				
5	Fri	-	- 2		
6	Sat		*		
7	Sun	0.05	0.00	YES	Notification Sent, But No Overflows
8	Mon	-			
9	Tue	1.03	8.54	YES	
10	Wed	0.08	0.00	YES	<10,000
11	Thu	0.01	0.00		
12	Fri	0.65	3.59	YES	
13	Sat	0.22	0.05	YES	
14	Sun				
15	Mon				
16	Tue	:-	/ € :		
17	Wed	/=	72		
18	Thu	0.09	0.00	YES	<10,000
19	Fri	0.09	0.00	YES	Notification Sent, But No Overflows
20	Sat	- 14	100		
21	Sun				
22	Mon	0.05	0.00	YES	<10,000
23	Tue	0.38	0.79	YES	
24	Wed	0.72	3.10	YES	
25	Thu	0.49	3.87	YES	Overflow Continued Into the 26th.
26	Fri	0.28	5,40	YES	
27	Sat	0.32	0.92	YES	Overflow Continued Into the 28th.
28	Sun	0.23	0.16	YES	
29	Mon	-	22		
30	Tue	0.08	0.00	YES	<10,000 Gallons
31	Wed	0.01	0.00		

Notes

Average Daily Flow
Peak Hourly Flow
Time Precipitation Began
Precipitation Duration
Total Daily Precipitation
Peak Intensity

Design Peak Hourly Flow

Average value of 5-min WWTP flow data

Maximum value of the rolling hourly average flow rate First precipitation recorded between the six rain gauges Cumulative duration of all precipitation for the day Maximum value of precipitation for all the six rain gauges

Maximum precipitation depth in an hour

Per the NPDES Permit, the WWTP facility has a peak design flow of 77 MGD

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 sensor at CSO 006 did not work the entire month of January. The Matrix of Storms was used to calculate overflows from CSO 006 for this 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.

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



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

City:	City of So		-continual	OF MANAGE	ONMENTAL M					Page 1	of	11		F	'erm	it Number:	INC	0024520	
			pal WWTP						П	SAN INC.	F	ublic No	tific	ation Requ	Irem	ents Met?	Υ		
	ing Period		oruary	2024	1 5 1° 0	800	(Int)				Ch	eck box it	f no	CSO disch	arge	occurred	fort	the month	
	Peak Hour		Per 11/07/11	77	Design Ave	erage Flow	(MGD):	48		Measured/							100		
	Influent			-	ecipitation D				С	SO Outfall		001				SO Outfail	Œ#	002	
EXID			*1				Measureme	1.7.4.00		200				TILL ST	П				
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)	nt Interval (hr, 30 m, 16 m)	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharg e (MG)	M or E	Time Obscharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E
1	33.7	36.9			24														
2	32.9	36.3			12														
3	32.1	36.8			-														
4	31.7	35.6																	
5	31.4	35.0			14														
6	30.9	33.8			14														
7	31.5	35.5			-														
8	31,7	34.4	11:10 PM	0.08	0.01	0,01	1 hr												
9	31.3	34.5			(ac														
10	29.7	32.8			4														
11	29.8	34.3			121														
12	29.8	32.4																	
13	29.0	31.0			:=:														
14	29.2	33.1			(a)														
15	31.8	50.1	7:40 AM	1.17	0.19	0.19	1 hr												
16	28.7	32.1	12:30 PM	0.25	0.02	0.01	1 hr				Г								
17	28.1	31.9	1:15 AM	0,25	0.01	0.01	1 hr				Г		П						
18	28.4	32.9			-														
19	28.8	33.5			149						Γ		П						
20	28.5	31.4									Г		П						
21	28.7	32.4			l										П				
22	35.5	64.9	1:10 AM	4,50	0.44	0.19	1 hr	3:10 AM	E	0.07	Е	0.00	E				Γ		
23	28.5	33.4	9:15 PM	2.67	0.24	0.12	1 hr								П				
24	30.8	36.5	12:00 AM	1,33	0.07	0.05	1 hr						П						
25	28.8	35.5													П				
26	28.3	31.8													П				
27	28.6	31.1							П		Г		Г		Г		Г		П
28	27.8	30.7	3:40 AM	1.17	0.06	0.03	1 hr		П				Γ		П		Г		
29	27.6	30.8											Г		П		Γ		
	2.10	00,10							Г				Г		П		Γ		
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	072.5	18,0	NA ILL	11.42	1.04	STE	A Lag		Da ya	0.07	i .	0.00	T	0	Da ys			0.00	
Totals:		Name and	Title of Pri		cutive Office	er or Autho	rized Agent		1 , 4	0.07		1 0.00	_	Telephon	_			0.00	+
Kim Tho	mpson , D	irector of V	Nastewater													574-235-			
WITH A INQUIR SUBMI	SYSTEM Y OF THE ITED IS, T	DESIGNE PERSON: O THE BE	D TO ASSUE S WHO MAN EST OF MY P	RE THAT (IAGE THE (NOWLED	DOCUMEN QUALIFIED F SYSTEM OF GE AND BEI	PERSONNE R THOSE P LIEF, TRUE	EL PROPERI ERSONS DII E, ACCURAT	Y GATHER RECTLY RE E, AND CO	AN SPO	D EVALUA ONSIBLE F LETE. I AN	TE OR I AV	THE INFO GATHER VARE TH	RM ING AT	ATION SUE THE INFOI THERE AR	BMIT RMA	TED. BAS TION; THE	ED (ON MY ORMATIO	N
C-17-24-0-41-1					THE POSSII		FINE AND IN	#PKISONME	IN f	FUR KNOW	VIIV	G VIULA	ION	Date (mm				1 200	
J			omp &											3-18					



City:	City of So			race in	HENT OF E		RONMENTA	. 1117	MANOLINE				Page 2	2 of	11		32	Perm	iit Number:	IN	0024520			
Facility:	South Be	nd N	/unicipa	ıw	WTP									F	ublic No	tific		-	nents Met?	_	45.34	66	11	112
	ing Period:	J005	Februar	- 83	2024		sebili t			, Ti						_		_	discharge		ccurred f	or th	e month:	. 🗆
Design	Peak Flow	(Hou	ırly) (MGI	D):	77		Design Fl	ow	(MGD):	W	48		Measured/	Met	77.7	7772		=	ust be spec	C.		N	N Mal	
		CS	O Outfall	No.	003			ÇS	O Outfall	No.	004	IJ		cs	O Outfall	No.	006			C	SO 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	Mor	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	More	Duration	M or E	Event Discharge (MG)	M or E
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ity:	City of So	uth	Bend									_	Page 3	of	11	_	P	em	ilt Number:	IN	0024520	_		_
acility:	South Be	nd N	Municipa	ıw	WTP	_								Pu	ıblic Notif	lca	ition Requ	ren	nents Met?	Υ				
onitor	ing Perlod:		Februa	ry	2024			9	87		W.				Chec	k b	ox if no C	SC	discharge	00	curred f	or th	e month	<u> </u>
esign i	Peak Flow	(Hor	arty) (MGI	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated	E) I	must be spe	cifi	ed			VI
		csc	Outfall	No.	800		Edda F	cs	Outfall (No.	010	H		cs	Outfall (No.	11A			C	SO Outfal	l No.	11B	9
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M of E	Time Discharge Began	MorE	Event Duration (Hours)	Mor	Event Discharge (MG)	M of E	Time Discharge Began	M or E	Event Duration (Hours)	Mor	Event Discharge (MG)	M	Time Discharge Begen	M	Event Duration (Hours)	M or E	Event Discharge (MG)	N 0
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City:	City of Sc						RONMENTAL						Page 4	1 of	11			ern	nit Number:	IN	0024520			
Facility:	South Be	nd N	Municipa	ıw	WTP									P	ublic Not	ifica	ition Requ	iren	nents Met?	Y		N		
Monitor	ing Period:		Februar	ry	2024		o T		3.33	ì			185		Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month:	
Design	Peak Flow	(Hou	ırly) (MGI	D):	77		Design Fl	ow	(MGD):	j	48		Measured/	Met				971	ust be spe			4		
	0 1 12	cs	O Outfall	No.	014			cs	O Outfail	No.	018			cs	O Outfall	No.	019			C	SO Outfall	No.	021	Ш
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E		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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City:	City of Sc	outh	Bend										Page	5 of	11	_		Perm	nit Number:	IN	0024520	_		_
acility:	South Be	nd N	/lunicipa	ı W	WTP									P	ublic Not	ifica	ation Requ	ilrer	nents Met?	Υ			100	ĮŲ,
lonitor	ing Period:		Februa	гу	2024			V.			18 18		I SEE		Chec	k b	ox if no C	so	discharge	9 00	curred fo	or th	e month	. [
esign i	Peak Flow	(Hor	ırly) (MG	D):	77		Design Fi	low	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) n	nust be spe	cifie	ed			
		CS	O Outfall	No.	022			cs	O Outfall	No.	025	U		cs	O Outfall	No.	026	8		C	SO Outfal	No.	027	
Day of	Time Discharge		Event Duration	M	Event Discharge	M	Time Discharge	M or	Event Duration	M	Event Discharge	M	Time Discharge	M		M		M	Time Discharge	Mor		М	Event Discharge (MG)	e A
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City:	City of So	uth	Bend										Page (of	11			Perm	nit Number:	IN	0024520			
Facility:	South Bei	nd N	Municipa	ıl W	WTP								VIII E	P	ublic Not	ifica	ation Requ	iren	nents Met?	Υ	20,000		U. X	
Monitor	ing Period:		Februa	ry	2024								25	'n.	Chec	k b	ox if no (cso	discharge	oc	curred fo	or th	e month:	: C
Design	Peak Flow	Hou	ırly) (MGI	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) n	ust be spec	ifie	d	- A		1
		cs	O Outfall	No.	028		m==12	cs	O Outfall	No.	029		44.	cs	O Outfall	No.	031		- 7AT	C	SO Outfal	No.	033	
Day of Month	Time Discharge Began		Event Duration (Hours)	M or E	Event Discharge (MG)	M of E	Time Discharge Begen	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	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M
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22		Ш				L	3:20 AM	E	0.79	E	0.00	E	3:20 AM	E	3,58	E	0,19	E	3:20 AM	E	1.96	E	0.00	E
23		Ш				L	11:30 PM	E	0.15	E	0,00	E	11:30 PM	E	0.50	E	0.02	E	11:30 PM	Ε	0.37	E	0.00	E
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lonitori	South Being Period: Peak Flow Time Discharge Began	(Hou	Februa urly) (MG	ry	WTP 2024									-					4. 84	v	120/00			
Day of	Peak Flow Time Discharge	(Hou	ırly) (MG		2024									Р	UDIIC NOT	ITICa	ation Requ	iren	nents Met?			_		
Day of Month	Time Discharge			nı.			1	u į			= 18		311		Chec	k b	ox if no C	so	discharge	oc	curred fo	r the	month:	Е
Month	Discharge	CS		:וע	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M) d	or E	stimated (E) m	ust be spec	cifie	d		Aug.	
Month	Discharge		O Outfall	No.	035	ji.		cs	O Outfall	No.	036			cs	O Outfall	No.	037	2		C	O Outfall	No.	038	
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Column Peak Flow (Hourhy) (MGD): 77	ty: Sc	outh Be	nd N	/unicipa	ı W	WTP									Р	ublic Noti	fica	ation Requ	irer	nents Met?	Y	-We	ď,		31
Company Comp	toring	g Period:		Februa	ry	2024			YE		81	- 9	K			Checi	k b	ox if no C	so	discharge	oc	curred fo	r th	e month:	. [
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City:	City of Sc	outh	Bend						_				Page 1	0 of	11		1	em	nit Number:	IN	0024520	_		_
acility	South Be	nd N	/lunicipa	١W١	NTP								138	P	ublic Not	ifica	ation Requ	iren	nents Met?	Y	dilly	Jb i	1 3 7	
Monitor	ing Period:		Februar	у	2024			'n	3100						Chec	k b	ox if no C	so	discharge	9 00	curred fo	or th	e month:	
Design	Peak Flow	(Hou	rly) (MGE)):	77		Design F	low	(MGD):		48		Measured	Met	ered (M) d	or E	stimated (E) m	ust be spe	cifie	ed			
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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 of E	Event Duration (Hours)	M or E	Event Discharge (MG)	MorE	Time Discharge Began	Mor	Event Duration	M	Event Discharge	M	Time Discharge	Mor	Duration	M	Event Discharge	
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City:	City of South Bend				Page: 11 of 11	Permit Number: IN0024520
Facility:	South Bend Municipal WWTP		· ·		Public Notific	ation Requirements Met? Y
Monitori	ng Period: February Year:	2024			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 expla	nation as	to why each CSO event occurred	1)	Statement 1	
1						
2						
3 4						
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7						
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9						
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15	Precipitation Event Observed					
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24	Precipitation Event Observed					
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31						
Typed o	Printed Name and Title of Printed	ncipal Exe	cutive Officer or Authorized Agent			Telephone
	mpson, Director of Wastewater					574-235-5969
						CTION OR SUPERVISION IN ACCORDANCE
			QUALIFIED PERSONNEL PROPERLY			
						THE INFORMATION; THE INFORMATION THERE ARE SIGNIFICANT PENALTIES FOR
			THE POSSIBILITY OF FINE AND IMP			
	re of Principal Executive Office			7.0.0		
W						Date (mm/dd/yy) 3 - 18 - 24
9(,	Thompson					0 10 27

CSO Public Notification - February

Day of Month	Day of Week	Total Daily Precip. (inches)	Total Daily CSO Discharge Volume (MG)	Notification Sent	Notes
A TOTAL OF THE REAL PROPERTY.	Thu	-			
2	Fri	-	+		
3	Sat				
4	Sun	-	-		
5	Mon				
6	Tue	-			
7	Wed	2	_ E		
8	Thu	0.01	0.00		
9	Fri		-		
10	Sat	*			
11	Sun				
12	Mon		*		
13	Tue		-		
14	Wed				
15	Thu	0.19	0.15	YES	
16	Fri	በ በ?	ก กก		
17	Sat	0.01	0.00		
18	Sun				
19	Mon				
20	Tue		+1		
21	Wed	2	2		
22	Thu	0.44	2.21	YES	
23	Fri	0.24	0.07	YES	Overflow Continued Past Midnight
24	Sat	0.07	0.07	YES	750
25	Sun	- 1	9		
26	Mon				
27	lue		*		
28	Wed	0.06	0.00	YES	Notification Sent, But No Overflow
29	Thu				

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 Beç First precipitation recorded between the six rain gauges
Precipitation Duration Cumulative duration of all precipitation for the day
Total Daily Precipitatic Maximum value of precipitation for all the six rain gauges

Peak Intensity Maximum precipitation depth in an hour

Design Peak Hourly FI Per the NPDES Permit, the WWTP facility has a peak design flow of 77 MGD

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 sensor at CSO 006 was not working properly during the month of February. The Matrix of Storms was used to calculate overflows for CSO 006 during this month.

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.

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



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

City:	City of So		DEPARTMENT	OF ENVIRO	OVERTAL M.	NAMOEMEN				Page	1 of	11		Р	erm	it Number:	INC	0024520	
			ipal WWTP								F	Public No	tific	ation Requi	ren	ents Met?	Υ		W
	ing Period		V	2024		11 2 8 1	In Sec	Tie" -			Ch	eck box i	f no	CSO disch	arg	e occurred	for 1	the month	. 🗆
	Peak Hour		MGD):	77	Design Ave	erage Flow	(MGD):	48		Measured	Met	ered (M)	or E	stimated (E) m	ust be spec	ified	1	
WWT	Influent	Data		Pr	ecipitation [ata			С	SO Outfall	No.	001			С	SO 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)	Measureme nt Interval (hr, 30 m, 16 m)	Time Discharge Begen	M or E	Event Duration (Hours)	M or E	Event Discharg • (MG)	M or E	Time Discharge Begen	Mor	Event Duration (Hours)	M or E	Event Discharge (MG)	M
1	27.5	30.8			(#														
2	27,0	31.0			- 14														
3	27.6	31.6			92									0			Ш		
4	27.8	31.0															Ш		
5	37.0	81.1	3:45 AM	3.08	0.61	0.41	1 hr						L		L		Ш		_
6	27.9	30.5			-												Ш		
7	27.4	29.8			20												Ш		
8	43.4	80.0	9:35 AM	13,17	0.90	0,19	1 hr	11:45 AM	Ε	1.96	E	0.22	E	11:45 AM	E	2.13	E	0.02	E
9	34.6	73.2	12:00 AM	0.25	0,01	0,01	1 hr				L		L		L		\sqcup		1
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11	29.8	34.4			a								L		L				
12	27.9	30.8							L		L				L		\sqcup		
13	28.2	31,8							L		L				L		L		_
14	57.7	83.0	1:15 AM	7.67	1.66	0.52	1 hr	3:55 AM	E	3,22	E	0.60	E	3:55 AM	E	5.07	E	0.43	E
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16	32.1	35.6			54				L		L		L		Ļ		L		L
17	31.0	33.7							L		L				L		L		╄
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24	29.9	33.4			,340						1		L		Ļ		\perp		\perp
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27	28.6	31.5			296				L		_		L		┡		₽		+
28	29.1	33.1			500				1		1		L		\vdash		+		+
29	28.6	32.4	11:50 PM	0.08	0.01	0.03	1 hr		_		1		L		╀		1		╀
30	45,5	79.2	12:00 AM	5.67	0.98	0.34	1 hr	2:50 AM	_	1,98	E	0.23	E	2:50 AM	E	2.19	E	0.03	E
31	31.3	61.5	8:20 PM	3.50	0.43	0.20	1 hr	10:45 PM		0,15	E	0.01	E		100		_		+
Totals:				38.17	4.97	L 12		5	Da ys	7.46		1.07		3	Da ys			0.48	
Typed	or Printed	Name and	Title of Prin	ncipal Exe	cutive Office	r or Autho	rized Agent		25					Telephone	3				
I CERT WITH A INQUIR SUBMI SUBMI	IFY UNDER SYSTEM Y OF THE ITED IS, T ITING FAL	PENALT DESIGNE PERSON O THE BE SE INFOR	Wastewater TY OF LAW 1 D TO ASSUR S WHO MAN EST OF MY R RMATION, IN	RE THAT (AGE THE (NOWLED ICLUDING	QUALIFIED F SYSTEM OF GE AND BEI THE POSSII	PERSONNE R THOSE P LIEF, TRUE BILITY OF	EL PROPERI ERSONS DI E, ACCURAT	LY GATHER RECTLY RE TE, AND CO	SPO MPL	D EVALUA ONSIBLE F LETE. I AI	TE OR VI A	THE INFO GATHER WARE TH	RM ING AT	ATION SUE THE INFOR THERE ARI NS.	BMIT RMA E SI	TED. BAS TION; THE GNIFICANT	ED (CCORDAN ON MY ORMATIO	IN
Signati			cutive Office		rized Agent									Date (mm		m) 1-24			



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

City:	City of So	uth	Bend	_								_	Page 2	of	11			em	nit Number:	IN	0024520			_
acility	South Bei	nd N	/lunicipa	l W	WTP	_		_						F	Public No	tific	ation Requ	iren	nents Met?	Y	OT IN	B		VI.
lonitor	ing Period:		March		2024										Che	ck I	ox if no (cso	discharge	9 00	curred f	or th	e month	: 🗆
esign	Peak Flow	(Hou	ırly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (8	Ē) m	ust be spec	ifie	d	ā		
-	SEV.	CS	O Outfall	No.	003	E	THE.	cs	O Outfall	No.	004		0.00	cs	O Outfall	No.	006	n	H W	CS	O Outfal	l 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)	e M
1 2						F																		I
200		Н		H		H		H		H				L		L		L		L		L		+
3		Н		L		Н		L		L				Ш		L		L		L				+
4		Н		L		Н		L		L						H		L		L				+
5		Н		_		H						L	6:45 AM	E	1.52	E	0.32	E	6:45 AM	E	0,11	E	0.00	E
6	_			_		H										L								\perp
7		Н		L		Н		L																+
В		Н		L		Н	11:40 AM	E	0.10	Ε	0.00	E	11:45 AM	Ε	4_10	Е	1,82	E	11:40 AM	E	3,58	E	0.02	E
9		Н		_		Н		L		_		_		L		-				L				1
10				-		Н		L		L				L		H								+
11		Н		Н		Н		_		H				L		H		L		L				╀
12		Н		_		Н		L		H		L		Н		L				L		L		+
13		Н		H		Н		L		-				H		H		L		L		L		+
15	9:55 AM	М	3,25	М	7,47	E	3:30 AM	E	3,28	E	0.10	E	3:15 AM	E	6.44	E	5.78	E	3:30 AM	느	6,00	E	0.16	E
16	-	Н		H		Н		L						L		L		L		L		L		+
17		Н		H		Н		H				H		Н		₽		H		H	_	L	_	+
18		Н		Н		Н		L		H		_		H		H				H	-	H		╀
19		Н		Н		Н		_				_		H		H		H		H		L		╄
20		Н		H		Н		-				L		L		┝		H		H		H		+
21		Н		H		Н		H		H				H		⊢		H				H		+
22		Н		Н		Н		-						H		H		H		-		H		╁
23		H		H		Н		H						H						-		-		+
24		Н		H		Н		H		H				H		\vdash		_		-				+
25		Н		H		Н		H		-		-		H		H				-		H		+
26		H		H		Н		-						H		\vdash				H				+
27		Н		H		Н		-				\vdash	2:55 AM	E	0.82	E	0.17	E		H		H		+
28		Н		H		Н		H		H						\vdash		\vdash		H				+
29		Н		H		Н		H		H				H	-	-		\vdash		L		H		+
30		H				Н		-				-		H		-				-				+
31	5:55 AM	M	2.75	М	1.31	E	4 45 AM	E	0.50	E	0.01	E	4:55 AM	E	4.99	E	3.03	E	4 45 AM	E	3.91	E	0.04	E
otals:	2	Da ys	6.00		8.78	П	3	Dia ysi	3.88		0.11	18	5	Da ys	17.87	00	11.12	10	4	Da ys	13.60		0.23	



			Bend									_	Page	3 01	11		, P	erm	it Number:	1144	JULTULU	_		_
acility:	South Bei	nd N	/lunicipa	ıw	WTP								AV-Y	Pu	blic Noti	fica	tion Requi	irem	ents Met?	Υ	1		8 8	
Aonitor	ing Period:		March		2024							9		E.	Chec	k b	ox if no C	so	discharge	9 00	curred f	or th	e month:	
Design	Peak Flow	Hou	irty) (MGI);	77		Design Flo	ow	(MGD):	-8	48		Measured	Met	ered (M)	or E	stimated ((E) r	nust be spe	cifi	ed			
			Outfall f	68	008	1		cso	Outfall I	No.	010	ij		csc	Outfall	No.	11A	8		CS	SO Outfal	No.	11B	
Dery of	Time Discharge	M	Event Duration	M	Event Discherge	M	Time Discharge	Mor	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	М	Event Discharge	
Month	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	E
1		Н		Н	-	₽		Ш		_		_		Н		┝		Н		Н		-		╀
2		L		Н		₽						L		H		-		Н		L				╀
3				Н		L		_		_		L		H		_		H		L		_		╀
4				П		┡						L		H		-		H		L		_		₽
5	6:45 AM	E	9.74	E	0_10	Е	6:45 AM	Ε	4.89	E	0.11	E		L		L		Н	6:45 AM	E	4,55	E	0,66	E
6		Ш		Ц		L						L		H		1		H		-				+
7				Ш		L				_		L		L		L		H		L				₽
8	11:40 AM	E	12.08	Ε	0.20	Ε	11:40 AM	E	6.84	Ε	0.22	E		L		_		Ц	11:40 AM	E	6.26	Е	1,39	E
9														L		L				L				1
10																				L				L
11																				L				L
12																		L						L
13				П		Г												L		L				L
14	3:30 AM	E	16.22	E	0.40	E	3:30 AM	Е	12.10	E	0.49	Ε							3:30 AM	E	11.64	E	3,39	E
15						Т																		
16				П		Т																		L
17		Г		П		Т								П										
18						Т						Г		П		П		Г						
19				Ī		T						Г	İ	Т		Γ		Г		П				Г
20						T						Г								П				
21				П														T						
22		T		T		T		Г				Г								П				
23				T		T				Г		Γ		Т		T		Т		Г				T
24						T		Г				T		T		T		Т		Т		Γ		T
25				Т		T		\vdash						T				T		T				T
26	3:00 AM	-	2.07	E	0.03	1	3:00 AM	E	2.12	E	0.02	E		\dagger				T	3:00 AM	F	1.79	E	0.08	E
27	-3:00 AM	E	3,87	F	0,03	忄	3.00 AIVI	F	2,12	-	0,02	=		\dagger		T		T	3.00 AW	۲	1,13	-	0.00	Ť
28		-		1		+		H		-		H		$^{+}$		\dagger		T		t		\vdash		t
29		1		1		+				-		t		+		+		t		t		T		t
		\vdash				+				-		-	1	+		+		+		-	0.05	-	4.50	+
30	4:45 AM	1	12.75	E	0.22	E	4:45 AM		7.56	E	0.25	E		+		╁		+	4:45 AM	_	6,95	E	1,59	E
31	10:25 PM	E	1.58	E	0.02	E	10:25 PM	Da ya	1.58	E	0.03	E		Da		+		-	10:25 PM	De	1,58	E	7.27	E



City:	City of Sc	outh	Bend										Page 4	4 of	11			em	nit Number:	IN	0024520			
acility	: South Be	nd I	Municipa	al W	WTP			_						P	ublic No	tifica	tion Requ	iren	nents Met?	Υ	4/15		5 ///	
onito	ring Period:		March	8,	2024					II G					Chec	k b	ox If no C	so	discharge	ОС	curred fo	or th	e month:	
Design	Peak Flow	(Ho	urly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) rr	ust be spe	cifle	d		72. 4	
B	10/10	CS	O Outfall	No.	014			cs	O Outfall	No.	018		1	cs	O Outfall	No.	019	III	FILE	ÇS	O Outfal	l No.	021	8
Day of	Time Discharge Began	M	Event Duration (Hours)	M or E	Event Discharge (MG)	M	Time Discharge Began	MorE	Event Duration (Hours)	M of E	Event Discharge (MG)	M or E	Time Discharge Began	MorE	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	MorE	Event Discharge (MG)	M
1		П		T		T		Ī																
2		П		Т		T								T		T		Г		Т				T
3		П		Г		T		T		Г		Г		Т		П		T		П		Г		T
4		П		Г				T		ı				T		T		T		Т				T
5	6:45 AM	E	1.03	E	0.05	E	6:45 AM	E	6,60	E	0.24	E	5:50 AM	E	0,60	E	0.01	E		Г		T		T
6						T										Ť		Ē		П		Г		T
7						F								Г		-		-		-				F
8	11:40 AM	E	1.96	E	0.08	E	11:40 AM	E	7.25	E	0.65	Ε	11:45 AM	E	1.84	E	0.05	E	11:45 AM	E	0.59	E	0.00	E
9																				П				T
10														Г				Г		П				f
11														Г		П		Г		П				П
12														Г				Г		П				Т
13																		Г						Г
14	3:30 AM	E	2.96	E	0.29	Ε	3:30 AM	E	9,54	E	1.73	E	3:20 AM	E	2.11	E	0.18	F	3:20 AM	E	1.87	E	Ů.Ŭ4	E
15																								
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26		Ц		L				L		_			2:55 AM	E	0,12	Ε	0.00	E						1
27		Н				Ц								L				L						
28		Ц				Ц																		
29		Ш				Ц														L				
30	4:45 AM	E	2.13	E	0.10	E	4 45 AM	Ε	7.57	E	0.75	E	2:05 AM	E	1.95	E	0.07	E	2:05 AM	E	0.76	E	0.00	E
31	10:25 PM	-	0.40	E	0.02	E	10:25 PM		1,58	E	0.06	E	10:20 PM		0.54	E	0.01	E		L				
otals:	5	Да ув	8.48		0.53		5	De ys	32.54		3.42		6	Da ys	7.82		0.32		3	Da ya	3.22		0.04	



City:	City of So			2030		-	RONMENTA						Page 5	of	11			em	nit Number:	IN	0024520			
Facility:	South Be	nd i	Municipa	ı W	WTP									P	ublic Not	ifica	ation Requ	iren	nents Met?	Υ	ΔX.			
Monitor	Ing Period:	ů,	March		2024			į,		8					Chec	k b	ox if no C	so	discharge	ОС	curred fo	or the	month:	
Design	Peak Flow	(Ho	urly) (MGI	D):	77		Design F	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) m	ust be spec	ifie	d	U.		JI,
		cs	O Outfall	No.	022			cs	O Outfall	No.	025			cs	O Outfall	No.	026			CS	SO Outfal	No.	027	
Day of	Time Discharge	M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	М	Event Discharge	M
Month	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	or E
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2		Ш		L		L		L		L		L		L		L		L		L				┡
3		L		L		L		L		_				Ш		L		_		L		_		╄
4						L						L						L		L				₽
5	4:20 AM	м	2.00	М	1.22	E													6:45 AM	E	0.55	E	0,03	E
6						L												L		L				\perp
7								L										L		L				L
8	11:30 AM	М	4.00	М	2,06	E								L					11:40 AM	Ε	1.61	Ε	0,11	E
9	12:00 AM	М	1.00	М	0,49	E														L				
10																								
11						Γ																		L
12		П				П		П			ļĮ			Γ										
13		Т				Г		П		Г				П						Γ				
14	2:15 AM	М	10.42	м	10.92	E		Т		Г			3:30 AM	Ε	0.86	E	0.01	E	3:30 AM	E	2.61	Е	0,50	E
15						T		T								П		Г						
16		T				T		T						П				Т		Г				Г
17		T		Т		T		T						П				Т		Г				
18		T		T		T		T		T		Ī		Г		П		Т		Т				T
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29		+		+	-	+		+		\vdash		-	 	+		+		+	-	H		+		+
	-	+		\vdash		+		+		⊢		-	1	\vdash	-	-		+	-	╁		-		+
30	2:05 AM		14.90	E	1,58	E		+		\vdash		-	-	+	-	\vdash		-	2:20 AM	E	1.78	E	0.14	E
31	10:20 PM	_	1.67	E	0.09	E		De		_	-	H		Da	-	-		-		Da		-		+
Totals:	6	Da ys	33.98		16.35		0	Da ys			0.00		111	À8	0.86		0.01		4	À2			0.77	



City:	City of Sc	outh	Bend										Page 6	of	11			em	nit Number:	IN	0024520			
acility	South Be	nd l	Municipa	al W	WTP									P	ublic Not	tifica	ition Requ	iren	nents Met?	Υ	100	ie.	البيتا	Ų
Vionitor	ing Period:		March	ķ	2024			H		X.					Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month	. 🗆
Design	Peak Flow	(Hou	urly) (MG	D):	77		Design Fl	low	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) m	ust be spec	ifie	d	19.		1
		CS	O Outfall	No.	028	Ī	- V III	cs	O Outfall	No.	029			cs	O Outfall	No.	031	10		C	SO Outfal	No.	033	Tr
Day of	Time Discharge	M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	м	Event Discharge	
Month 1	Began	E	(Hours)	E	(MG)	E	Began	ε	(Hours)	E	(MG)	E	Began	Ε	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	or
2		Н		H		Н		H		-		Н		H		H		\vdash		H				╁
3	-	Н		H		H		H				-		H		H		H		H				╁
4		Н		H		Н		H		_		Н		H		H		H		H				╁
5	0.45.004	H	2.00	-		L	0.45.444		0.47	_		-		H		H		-		H				+
6	6:45 AM	片	0.03	E	0.00	E	6:45 AM	E	2,17	E	0.02	E	6 45 AM	E.	5,56	E	0.67	E	6 45 AM	E.	6.35	E	0.02	E
7		H		H		H										H		H		H				t
8	44.40.44	H	4.45	E		-	44 45 444	-	0.54	_						L		H		-				+
9	11:40 AM	F	1,15	F	0.00	E	11:40 AM	ᄩ	2,51	E	0.05	E	11:40 AM	E	9,92	Ε	1,38	E	11:40 AM	늗	9.43	E	0.04	E
10		Н				H		H				Н		H		H		\vdash		H				╁
11		H				H		H				Н						\vdash		H		-		╁
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13		H	-	H		Н		H		-		-		H		H		Н		Н		┢		╁
14	3:30 AM	E	2.85	E	0.18	E	3:30 AM	-	4.78	E	0.13	E	0.00.414	-	44.75	E	0.00	E		-	10.00			+
15	3.30 AIVI	F	2,63	-	0.16	F	3.30 AW	5	4.70	E_	0.13	-	3:30 AM	E	14.75	E	2,98	F	3:30 AM	F	15.03	-	0.11	ᄩ
16		H		Н				H						Н		H		H		-				+
17		H		Т		Н		H		\vdash				H			-	H		┢	_			╁
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25		H						H						H		1		\vdash		H				+-
26		H				H	3:00 AM	E	0.51	E	0.00	E	3:00 AM	E	2.62	E	0.10	E	3:00 414	-	1 22	E	0.00	E
27		H				H	3.00 AW	F	0,51		0.00	-	3:00 AM	F-	2.63	E	0.12	F	3:00 AM	E	1.22	E	0.00	卡
28		H				H		H						H		t		\vdash		H				+
29		H				Н		H		-		-		H		-		\vdash		H		-		+
30	4.45.024		4.00	-	0.04		4.45.011		0.00	_	0.00	-	4145.411	-	40.0-	-		-		-				+
31	4:45 AM	E	1.39	E	0.01	E	4:45 AM		2.86	E	0.06	E	4.45 AM	E	10.60	E	1.56	E	4:45 AM	\neg	10,16	E	0.05	E
Totals:	4	Da ys	5.42		0.19		10:25 PM	Da ys	1.27	=	0.01	-	10:25 PM	Da y•	1.58 45.04	E	0.13 6.84	-	10:25 PM	Da ys	1.58 43.77	E	0.00	E



City:	City of Sc	outh	Bend										Page 7	of	11	_	F	епп	it Number:	IN	0024520	-		_
Facility:	South Be	nd f	Municipa	ł W	WTP									Р	ublic Not	ifica	tion Requ	iren	nents Met?	Y			57.0	-
Monitor	ing Period:		March		2024	_					100	h l			Chec	k b	ox If no C	so	discharge	00	curred fo	r th	e month:	
Design	Peak Flow	(Hoı	urty) (MGI	D):	77	_	Design Fl	ow	(MGD):	ш	48	_	Measured/	Met	ered (M) d	or E	stimated (I	E) m	ust be spec	cifie	ed			50
		cs	O Outfall	No.	035			cs	O Outfall	No.	036			CS	O Outfall	No.	037	_		C	SO 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	Mor	Event Duration (Hours)	M or E	Event Discharge (MG)	M
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2		Ħ		Г		Н		Н								Т				T				П
3		H		Т		H		Г								Т				T		Г		Г
4		T				П		Г								Г		Г		T				
5	6:45 AM	F	9.03	E	0.13	E	6:45 AM	F	2.61	E	0.01	E	7:05 AM	M	0.75	м	0.07	E		t				
6	U.TJ AIVI	-	5.03		0.10	-	S. TO AIVI	-	2,01	_	0.01		7.00741	<u>"</u>	0,10	-	5,01	_		T		Г		Г
7		П		Т		T		П						П		Г		Г		T		П		Г
8	11:40 AM	F	12.33	E	0.23	E	11:40 AM	F	3.47	E	0.02	E								T				
9	12:00 AM		0.28	E	0.01	E	711.707	Ť	0111	_	0.02					Г				T				
10	12.007 47	Ť	O LO	Ť	0.01	Ť		П				Г		П				Г		T				
11		T				T		П						П				Г		1				
12		T		Т		T		Г								Г				Τ				
13		T				T								Г		Г		Г		Ī				
14	3:30 AM	E	17.71	Ε	0.43	E	3:30 AM	E	5.63	E	0.07	E	2:25 AM	м	3.67	м	1,90	E		T				
15		Ť																Г						
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17		П						Г																
18		П				Г		Г						П						Ι				
19		П				Г														L				
20						Γ																		
21						Γ																		
22						Γ																		
23						Γ																		
24																								L
25																								
26	3:00 AM	E	4.18	Ε	0.03	Ε																		
27						Γ																		
28		П																						
29								П																
30	4:45 AM	E	13.39	Ε	0.26	E	4.45 AM	E	3.71	E	0.03	E	4:50 AM	М	3,50	м	0.31	E						
31	10:25 PM		1.58	E	0.02	1			1_03	E	0.00	Ė												
Totals:	7	Da ys	58.50		1.11		5	Da ys	16.45		0.13		3	Da ye			2.28		0	Di ye			0.00	18



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

City:	City of So	outh	Bend									_	Page 8	of	11		F	erm	it Number:	IN	0024520	_		_
acility	South Be	nd l	Municipa	i W	WTP					_				P	ublic Not	ifica	tion Requ	iren	nents Met?	Υ	- de a	ID.	200	
Monitor	ing Period:	Ц	March		2024										Chec	k b	ox if no C	so	discharge	oc	curred fo	r th	month:	
Design	Peak Flow	(Ho	urly) (MG	D):	77		Design Fl	ow	(MGD):	34	48		Measured/	Mete	ered (M)	or Es	stimated (I	E) m	ust be spec	cifie	d			
		cs	O Outfall	No.	039			CS	O Outfall	No.	040			CS	O Outfall	No.	041	18		CS	O Outfall	No.	042	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E		M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or	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)		Event Discharge (MG)	M
1																								
2		H		L		H		H						Ш		L				H				L
3		Н		H		H	:	L				L		Н		H		L		H		_		┞
5	F 50 AM	H	4.00	_	0.05	F	0.45.44	-	0.04	_	0.01	L		_		H		H		┝		-		H
6	5:50 AM	E	1,93	E	0.05	E	6 45 AM	E	0.61	E	0.01	E		Н						H				H
7		Ħ				i i										-				F				F
8	11:45 AM	Ε	3.61	E	0.15	E	11:40 AM	E	1.72	E	0.04	E	11:45 AM	E	1.77	E	0.01	E		T				T
9																								
10																								
11		Ц						L																L
12		Н				L		L												L				L
13		Н		L				L		_		-						L		L				L
14	3:20 AM	E	6,12	E	0.36	E	3:30 AM	E	3,08	E	0.15	E	3:20 AM	E.	2.67	E	0.04	E		H				⊢
16		Н				Н		H		_		H	-	H		\vdash		H		\vdash		_		⊢
17	-	Н	-	\vdash		Н		H		-		H		H		-		Н		H		-		⊢
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19				Т		t		П				H				Ħ		F		t				t
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21								Г				Г				П				T				T
22																								
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24		Ш						L												L				
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26	2:55 AM	Е	0.39	E	0.01	E		L		_		_								L				L
27		H				-		H		_				L						L				1
28		H		_				H		_		-		L		\vdash		H		+		_		1
30	-	H				-		H		\vdash		-				\vdash				H				\vdash
31	2:05 AM			E	0.19	E	2:20 AM	E.	1,85	E	0.05	E	2:05 AM	E.	2.01	E	0.02	E		H				+
Totals:	10:20 PM	Da ys	1.67	E	0.04	E	4	Da ys	7.26		0.25		3	Da ya	6.45	+	0.06		0	De ys	10000		0.00	+



ity:	City of So	outh	Bend									_	Page 9	of	11		F	em	it Number:	IN	024520	_		
acility:	South Be	nd N	/lunicipa	I W	WTP									P	ublic Not	lftca	tion Requ	iren	ents Met?	Υ			- 15	
onitori	ing Period:		March		2024		45 15				- 5 19		U 188		Chec	k b	ox If no C	so	discharge	OC	curred fo	or th	e month:	: [
esign l	Peak Flow	(Hou	ırly) (MGI	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M) c	or Es	stimated (E) m	ust be spe	clfie	d			
		CS	O Outfall	No.	044	13		cs	O Outfall	No.	045		ES X	cs	O Outfall	No.	048			CS	O Outfal	No.	049	8
Day of	Time Discharge	M	Event Duration	M	Event Discharge	Mor	Time Discharge	N M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	M	Event Discharge		Time Discharge	M	Event Duration	M	Event Discharge	
lonth	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	OI
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3		Ш		_		Ш				_		_		L			_	L		L				ļ
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5		Ц				Ц		L		_			5:50 AM	E	5.18	E	0.25	Ε		_		_		1
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7								L						L						L				1
8		Ш											11:45 AM	E	9,85	E	0,58	E		_				1
9		Ш						L		_								L		L		_		1
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14							10:00 AM	М	3,92	М	3,37	E	3:20 AM	E	15.88	E	1.06	E		L				L
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26													2:55 AM	E	2.84	E	0.10	E						
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28		Т		Г		T		T				П						Γ		Γ				T
29		T		Г		T		T		Γ		Г						T		Т			ľ	T
30				\vdash		1	2:50 AM	E	3.96	E	0.93	E	2:05 AM	F	11.20	E	0.68	E		T		T		1
31		\vdash		\vdash		1	2,30 AIVI	1	3,30	_	0.33	-	10:20 PM	$\overline{}$	1.67	E	0.08	E		T				†
otals:	0	Da ys			0.00		2	Da ys	7.88		4.30		6	Da ys		Ť	2.75	Ť	0	Da			0.00	Ť



City:	City of Sc						ONMENTAL						Page 10	of	11		F	em	nit Number:	IN	0024520			
acility	South Be	nd N	/lunicipa	١w١	NTP									P	ublic Not	ifica	ition Requ	iren	nents Met?	Υ	a de la constante de la consta		roz 3	-1
Monitor	ing Perlod:	. 0	March	J.	2024						- 111				Chec	k b	ox if no C	so	discharge	oc	curred fo	r the	month:	
Design	Peak Flow	(Hou	irty) (MGC)]:	77		Design Fl	ow	(MGD):		48		Measured/	Met					ust be spec	-				. 8
	12 . 37	cs	O Outfall	No.	060		146.16	cs	O Outfall	No.				cs	O Outfall	No.	[#]			C	SO Outfall	No.	[#]	
Day of	Time Discharge	M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	M	Event Discharge	M	Time Discharge	М	Event Duration	M	Event Discharge	. M
Month	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	or E
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2		-		L		_		L		_		_	-	-		L		L		H				⊢
3				L		-		L						L		L		L		-				┡
4				L				L						L										┞
5	6:45 AM	E	8.29	E	0.01	E		L						L		L		L		L				╄
6				_		L		L						_		_								L
7																								
8	11:40 AM	E	9.66	E	0.03	E	ļ	L																1
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14	3:30 AM	E	14.61	E	0.08	E																		
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26	3:00 AM	E	4.49	E	0.00	E	i	Т		T		Г		T		T		T		t		Г		T
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29		1				H		H					1	+		1		\vdash		+				+
30	4.45.034	-	40.04	-	0.00	-	1	H		\vdash				+		+		+	1	+		Н		+
31	4 45 AM		10.31	E	0.03	E		\vdash		╁				+		+		\vdash		+				+
	10:25 PM	Day	1,58	E	0.00	E		Da ys	2115/12	H			1000000	Da		+			1/2/20	Da				+
otals:	6		48.94		0.16		0	ys	2155	L	0.00		0	УB			0.00		0	ys			0.00	



City: City of South	Bend			Page: 11 of 11	Permit Number: IN0024520
Facility: South Bend M	unicipal WWTP			Public Notifica	tion Requirements Met? Y
Monitoring Period: Ma	rch Year: 2024			Check box if no	CSO discharge occurred for the month:
Design Peak Hourly Fl	ow (MGD): 77	Design Average Flow (MGD):	48		
Day of				A 1 3 1 3 1 1 1 1 1 1 1	
	(further explanation a	s to why each CSO event occurred	f)		
1					
2					
3					
4	F 01				
5 Precipitation	Event Observed				
7					
	Event Observed				
	Event Observed				
10					
11					
12					
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	Event Observed				
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16					
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24					
25	C Ob				
26 Precipitation 27	Event Observed				
28					
29					
	Event Observed				
	Event Observed				
Typed or Printed Nam	e and Title of Principal E:	xecutive Officer or Authorized Agent	THE STREET		Telephone
Kim Thompson , Directo	or of Wastewater				574-235-5969
CERTIFY UNDER PE	NALTY OF LAW THAT TH	IS DOCUMENT AND ALL ATTACHME	NTS WERE PE	REPARED UNDER MY DIRECT	TION OR SUPERVISION IN ACCORDANCE
WITH A SYSTEM DES	IGNED TO ASSURE THAT	[QUALIFIED PERSONNEL PROPERL)	GATHER AN	ID EVALUATE THE INFORMA	ATION SUBMITTED. BASED ON MY
INQUIRY OF THE PER	SONS WHO MANAGE TH	E SYSTEM OR THOSE PERSONS DIR	ECTLY RESP	ONSIBLE FOR GATHERING	THE INFORMATION; THE INFORMATION
SUBMITTED IS, TO TH	IE BEST OF MY KNOWLE	DGE AND BELIEF, TRUE, ACCURATE	, AND COMP	LETE. I AM AWARE THAT T	HERE ARE SIGNIFICANT PENALTIES FOR
		G THE POSSIBILITY OF FINE AND IM	PRISONMENT	FUR KNOWING VIOLATION	
	Executive Officer or Aut	horized Agent			Date (mm/dd/yy)
K7lua	~				4-24-24

CSO Public Notification - March

Day of Month	Day of Week	Precip. (inches)	CSO Discharge Volume (MG)	Notification Sent	Notes
BILL MINES COL	Fri	961			
2	Sat	· ·	-		
3	Sun		. 1		
4	Mon	720	2		
5	Tue	0.61	3.99	YES	
6	Wed		-		
7	Thu	- 3-			
8	Fri	0.90	9.37	YES	
9	Sat	0.01	0.49		Overflow Continued Past Midnight
10	Sun	0.01	0.00		*
11	Mon	3.5	•		
12	Tue	<i>∞</i>	-		
13	Wed		-		
14	Thu	1.66	43.34	YES	
15	Fri	929	2		
16	Sat				
17	Sun		-		
18	Mon				
19	Tue				
20	Wed	360			
21	Thu	780			
22	Fri	0.02	0.00		
23	Sat				
24	Sun				
25	Mon	0.02	0.00		
26	Tue	0.32	0.57	YES	
27	Wed	-			
28	Thu				
29	Fri	0.01	0.00		
30	Sat	0.98	13.54	YES	
31	Sun	0.43	0.67	YES	

Notes

Average Daily Flow

Peak Hourly Flow Precipitation Duration

Total Daily Precipitation Peak Intensity

Average value of 5-min WWTP flow data

Maximum value of the rolling hourly average flow rate Time Precipitation Began First precipitation recorded between the six rain gauges Cumulative duration of all precipitation for the day Maximum value of precipitation for all the six rain gauges

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

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.

Sensor data from CSO 003, 006, 022 & 045 was not available during portions of March due to failures, removal for sewer cleaning and power issues. The matrix of storms was used for periods when the sensor was not functioning.

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.

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



National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO) Slate Form 50546 (R3 / 7-13)

City:	City of So		DEPARTMENT	OF ENVIR	DNMENTAL M	ANAGEMEN				Page	1 of	11		Р	em	it Number	IN	0024520	
1000			ipal WWTP							- Airms	-	100	tific	ation Requ	= 7			100	125
	ing Period		INCOME NO	2024	113.52	100	X 1000	-CTAIR		17 11 8	_	_	_	CSO disch	-		_	the month	. 🖂
	Peak Hour	1000000		77	Design Av	erage Flow	(MGD):	48		Massured				stimated (E					
100	Pinfluent	2017	100).	1000	ecipitation C	31 00	(mob).	70		SO Outfall		001		The state of the s		SO Outfall		002	100
****	Teat				Cipitation	dia			Ī	GO GULIAN	T	001	Г		Ī	O Duttail	T	100	T
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)	Measureme nt Interval (hr, 30 m, 15 m)	Time Discharge Begen	M or E	Event Duration (Hours)	M or E	Event Discharg e (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E
1	60.6	86.0	12:00 AM	7.25	1.20	0.56	1 hr	2:25 AM	E	2.19	E	0.29	E	2:25 AM	E	2.83	E	0,10	E
2	38.9	67,0	3:00 AM	2,58	0.13	0.05	1 hr												
3	38.5	58.0	1:20 PM	4.75	0.22	0.05	1 hr												
4	34.6	46.8	10:05 AM	0.42	0.02	0.02	1 hr												
5	33.8	37.9	11:25 AM	0.33	0.02	0.02	1 hr				Γ								
6	33.2	38.1			*														
7	36.6	58.5	5:45 PM	2.58	0.25	0.16	1 hr												
8	34.4	50.8	12:00 AM	0.50	0.04	0.04	1 hr						Г				П		
9	33.9	36.7																	
10	33.1	35.7	11:45 PM	0.17	0,01	0.02	1 hr		П		Т		П		П				
11	53.8	77.4	12:10 AM	13.67	0,95	0.22	1 hr	3:35 AM	E	1.56	Ε	0,15	E	3:35 AM	E	1.29	Ε	0.01	E
12	34.9	39.8	1:20 AM	0.17	0.01	0.01	1 hr				П								
13	33.0	36.7																-	
14	32.5	36.0									П								
15	32.8	35.7			- *						Г		Г		Г		Г		
16	32.9	35.4	11:10 PM	0.42	0.02	0.10	1 hr				Ī		П						
17	40.0	56.7	12:00 AM	3.25	0,48	0.23	1 hr	2:00 AM	E	0.26	E	0.01	E						
18	32.9	37.0	10:45 PM	1.25	0,28	0,41	1 hr												
19	45.0	85.1	12:00 AM	2.58	0.40	0.36	1 hr	2:00 AM	E	0.18	Е	0.01	E						
20	32.2	35,5			- 2										П		Г		Т
21	31.5	35.0			2								Г		П		П		
22	31.7	35.1									П				П		Г		
23	31.7	34.5	2:35 PM	1.17	0:08	0.03	1 hr		Г						П		П		
24	30.8	34.2							П		П		Г				Г		
25	30.8	34.2			- 12								П				Г		T
26	33.0	50.4	4:50 PM	2.58	0.20	0,09	1 hr												
27	34.6	57.3	2:05 AM	1.25	0,21	0,20	1 hr												
28	43.2	81.2	2:10 AM	3.50	0,55	0.22	1 hr	4:40 AM	E	0.40	E	0.02	Ε						
29	32.7	37.8	5:40 AM	0.67	0.06	0.06	1 hr		Ĺ		T				П		Г		
30	31.9	35.2			72														
	- 110	- OIL									T						Т		
Totals:	1079.4	, le i		49.08	5.13			5	Da ys	4.59	T	0.48		2	Oa ys	4.12	T	0.11	1
		Name and	Title of Prin	-		r or Autho	rized Agent	. 3	,-	4.09	_	0.40	-	Telephone	_	7.12	_	0.11	_
			Vaslewater													574-235-5			
I CERTI WITH A INQUIR SUBMI	FY UNDER SYSTEM I Y OF THE I ITED IS, TO	PENALT DESIGNE PERSONS O THE BE	Y OF LAW T D TO ASSUR S WHO MAN ST OF MY K RMATION, IN	RE THAT C AGE THE NOWLED	NUALIFIED P SYSTEM OR GE AND BEL	ERSONNE THOSE PI JEF, TRUE	L PROPERL ERSONS DIF , ACCURAT	Y GATHER RECTLY RE E, AND CO	AN SP(MPL	D EVALUA ONSIBLE F .ETE. I AN	OR (THE INFO GATHERI VARE TH	RM NG AT	ATION SUB THE INFOR THERE ARE	MIT MA	TED. BAS TION; THE	ED C	ON MY ORMATION	N
Signatu	re of Princ	ipal Exec	utive Officer	r or Autho	rized Agent	18- 12		2 S (1)		A DECA	170	11_3072	P	Date (mm/	_		520	37.745	100



City:	City of Sc	uth	Bend	_		_		_		_		_	Page 2	of	11			err	nit Number:	IN	0024520	-		_
acility:	South Be	nd N	/lunicipa	l W	WTP								1.5	F		_		_	nents Met?	_	-	ωÜ		
Monitor	ing Period:		April		2024						July V	W	1.5		Che	ck l	box If no (csc	discharge	9 00	curred f	or th	e month:	
Design	Peak Flow	(Hou	rdy) (MG	D):	77		Design Fl	ow	(MGD):		48	_	Measured/	Met	ered (M)	or E	stimated (I	E) m	ust be spec	ifie	d	-		
8.00		cso	Outfall	No.	003			CS	O-Outfall	No.	004			cs	O Outfall	No.	006	Ш		CS	O Outfal	No.	007	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	Mor	Time Discharge Begen	MOFE	Event Duration (Hours)	More	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	Mor	Event Discharge (MG)	M or E	Discharge	Mor	Event Duration (Hours)	M or E	Event Discharge (MG)	Mori
1	6:35 PM	$\overline{}$	2.00	м	0.63	E	2:05 AM	E	1.31	E	0.02	E		E	3.02	E	0.72	E	2:05 AM	E	4.56	E	0.08	E
2	0.55110	IVI	2,00	IVI	0.03	Ť	2.00741	Ť	1,01	-	0.02		G.EG / IIV		0.02			Ī						T
3		П						T																Γ
4		П				Ī		T		Г						Γ				Γ				Γ
5		Ħ				T		T				Г				Г		Г		Г				
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7																								
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9		П																						
10		П				Γ																		
11		П											3:30 AM	М	2.58	М	0.70	E	3 45 AM	E	1.92	E	0.01	ε
12		П				T		l																
13		П				Γ																		
14		П																						
15																								
16																								
17													12:05 PM	м	0.92	М	0.25	E						
18				Г									11:55 PM	М	0.08	М	0.01	Е						
19	1:05 AM	М	1.00	М	0.48	E							12:00 AM	М	3.25	М	2.05	E						
20																								
21																								_
22																		L		L				1
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24																								1
25																								
26																						L		1
27																						L		1
28													4:10 AM	М	2.50	М	0.51	E				L		1
29																								1
30																								_
roks								-	-			L		In-		-				De		-		
Totals:	2	Dia ye	3.00		1.11		1	De	1.31		0.02		6	De ys	12.35		4.23	1	2	ys	6.48		0.09	1



ity:	City of So	uth	Bend										Page 3	of	11		P	erm	nit Number:	IN	0024520			_
acHity:	South Ber	nd N	/lunicipa	l W	WTP								7 190	Pu	blic Noti	fica	tion Regul	rem	nents Met?	Υ			- 2	
onitor	Ing Period:	V	April	B	2024			ñs.	5,00			N	11	9	Chec	k b	ox If no C	so	discharge	9 00	curred 1	or th	e month	: C
)esign i	Peak Flow (Hou	rly) (MGI	D):	77		Design Fl	ow	(MGD):	81	48		Measured/	Met	ered (M)	or E	stimated (E) 1	must be spe	ecifi	ed	Н		TV.
		cso	Outfall I	No.	008			cs	O Outfall	No.	010			csc	Outfall	No.	11A			CS	SO Outfal	l No.	11B	
Day of	Time Discharge	M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	M	Event Discharge	Mor	Time Discharge	M	Event Duration	M TO	Event Discharge	M	Time Discharge	M	Event Duration		Event Discharge	M or
Month	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	Ε	Began	E	(Hours)	or E	(MG)	E
1	2:05 AM	Ε	14.08	Ε	0.26	E	2:05 AM	E	8.98	Ε	0.31	Ε		L		L		L	2:05 AM	E	8.35	E	1,99	E
2	5:10 AM	Ε	1.53	E	0.00	E												L		L		_		1
3	5:05 PM	E	1.53	Ε	0.00	E						L						L						
4																								\perp
5																L		L				L		1
6																		L				L		1
7	7:50 PM	E	2.60	E	0.01	Ε	7:50 PM	E	0.85	E	0.01	E							7:50 PM	E	0.72	E	0.03	E
9																		L						L
10						Г												L		L				
11	3 45 AM	Е	10.90	E	0.15	E	3:45 AM	E	5.84	E	0.16	E							3:45 AM	E	5,37	E	1.02	E
12						Π																		
13						Γ		Γ				Γ												
14		П		П		Г																		
15		П				Γ								П										
16						T						Г				Γ								
17	2:25 AM	E	5,95	E	0.06	E	2:25 AM	E	3.33	Ε	0.05	E		Π				П	2:25 AM	E	2.94	E	0.26	E
18	12:50 AM		3.02	E	0.02	Ε	12:50 AM	\Box	1.27	E	0.01	E				Τ			12:50 AM	E	1.08	E	0.05	E
19	2:00 AM		4.71	E	0.04	E	2:00 AM	$\overline{}$	2.83	E	0.03	E		Г				Г	2:00 AM	E	2.42	Е	0,13	E
20		Ī				T		Г		Г														
21				T				Π																
22				T								Γ												
23		Г		T		T		T		Г						T		Γ						
24		Г		T		T		T		Г		Γ		П		Т		Г						
25		T		T		1		T		1		T		Т								Γ		T
26	6:55 PM	E	2.38	E	0.01	E	6:55 PM	F	0.63	E	0.01	E							6:55 PM	E	0.54	Ε	0.03	E
27	4:15 AM		1.53	E	0.00	E	\$.55 T W	Ī		Ī		Ť		T		T		T						
28	4:40 AM	T	9.46	E	0.10	E	4:40 AM	F	4.75	E	0.11	E		T		T			4:40 AM	E	4.41	E	0.62	E
29	4:40 AM	-	9.40	15	0.10	f	4.40 AW	f	7-10	۴	0.11	1		1		T		T	1.1074	T		Ť	1 3.02	Ť
30	i	+		+		t		+		t		t	1	T		\dagger		t		T				1
		+		+		+		+		+		t	1	+		+		t		+		+		+
	Contract of	Da	57.69		0.65	+	8	Da y6	28.48	+	0.69	t	0	De		1	0.00	-	8	De ys		1	4.14	1



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

ity:	City of So	uth	Bend										Page 4	of	11		F	еm	it Number:	INC	024520			_
acility:	South Bei	nd N	lunicipa	١w	NTP	_								P		_		-	ents Met?	_		Ш	W. k	Ξ
onitor	ing Perlod:	Ė	April		2024				496						Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month:	
esign I	Peak Flow	(Hou	rly) (MGE	o):	77		Design Fl	ow	(MGD):		48		Measured/I	Vet	ered (M)	or E	stimated (E) m	ust be spec	ifie	d			Ŀ
		cso	Outfall	No.	014			cs	O Outfall	No.	018			cs	O Outfall	No.	019			CS	O Outfal	No.	021	
Day of	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discherge (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)		Event Discharge (MG)	M
1	2:05 AM	E	2.47	E	0.14	E	2:05 AM	E	8.22	E	0.95	Е	2:15 AM	E	2.14	E	0.11	E	2:15 AM	Е	1.04	E	0,01	E
2	2.03 AW	H	4,77	Ħ	0.11	Ħ	2.0071111	Ť	0.88		0.00	Ī												
3		П		Т		Ħ		П								Г								Γ
4		П				П														Г				
5		П				Ħ				П														Γ
6		П		П		Ħ		П																
7		Ħ		г		П		П		П		Г		Г		T		Г		Π		П		T
8		H		П		Ħ		T								Г								
9						Ħ												Г						
10		Ħ		Г		П		Г								Π		Г						
11	3 45 AM	E	1.50	E	0.06	E	3:45 AM	E	6.90	E	0,44	Ε	3:35 AM	Ε	1.93	E	0.07	E	3:35 AM	E	0.73	E	0.00	E
12	0.10101	Ħ	1100	Ť	0.00	Ħ		Ī																
13		П		П		П										Γ				Γ				
14		П				П		Т																
15		П				П		Г		Γ				Г										
16		П				П		П														L		
17	2:25 AM	E	0.28	E	0.01	E	2:25 AM	E	1.84	E	0.06	E	2:05 AM	E	0.42	Е	0,01	E						
18		П				П		П					1:00 AM	E	0.12	Е	0,00	E						
19	2:00 AM	Ε	0.04	Е	0,00	E	2:00 AM	E	0.26	E	0.01	E	2:00 AM	E	0.45	E	0.01	E						
20								Γ														L		
21																								1
22																								1
23																								1
24														L				1		_				1
25																				1		_		1
26																								1
27																								1
28	4:40 AM	E	0.96	Е	0.05	E	4:40 AM	E	6,32	E	0.22	E	4:10 AM	E	0.96	Ε	0.02	E	4:10 AM	E	0.11	E	0.00	E
29														L						L				1
30																								1
																								1
otals:	5	Da ys	5.25	1	0.27	T	5	Dis	23.54		1.69		6	Da ya	6.02		0.22	10	3	Da	1.88		0.01	



ity:	City of So	outh	Bend										Page 5	of	11		F	em	nit Number:	INC	024520			_
acility:	South Be	nd l	Липісіра	ı W	WTP								2	P	ublic Not	ifica	ation Requ	iren	nents Met?	Υ			10.5	
-	ing Period:	-	IngA	H	2024				1 100	W	1000		LETY	8	Chec	k b	ox If no C	so	discharge	oc	curred fo	or th	e month:	
Design	Peak Flow	(Hou	ırly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M) o	or E	stimated (E) m	ust be spec	ifie	d	Œ,		
1		cs	O Outfall	No.	022			CS	O Outfall	No.	025	1	0310	cs	O Outfall	No.	026	18	H M	CS	O Outfal	No.	027	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	Mor	Time Discharge Begen	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	Mor	Time Discharge Began	M of E	Event Duration (Hours)	M or E	Event Discharge (MG)	M
1	2:15 AM	E	18,20	E	2,29	E		T						П		П			2:10 AM	E	2.06	E	0,19	E
2		Ť	112423	Ī		Ī												Г						
3	4:20 PM	E	0.90	E	0.02	E																		
4		П				Г																		
5		П																						L
6																								L
7	8:00 PM	E	3.62	E	0.08	E																		L
8																								
9																						L		L
10								L						L		L		L		L				╄
11	3:05 AM	М	1.83	M	0.16	E		L											2:10 AM	E	1.72	E	0.13	E
12																1		L						1
13				L												L		_				_		1
14								L		L		L	.	L		_		1		_		-		1
15				L														L		L		-		1
16				L		L		L		_				L		_		_		L				1
17	12:05 PM	1 М	0.67	М	0,22	E		L		_		_		L		_		1	ļ	L		-		+
18	11:45 PM	1 M	0.25	М	0.06	E		L		L		-		L		┡		1	-	-		-		+
19	12:00 AN	1 M	1,92	М	0.91	E		L				L		H		⊢		┡	-	\vdash		-		+
20		L		L		1		H		L		L		H		╀	-	-		┝	_	┝		H
21		-		-		1		1	-	_		-	-	\vdash		-	-	-	-	-	-	-		+
22		-		-		+		\vdash		-		-	-	\vdash		\vdash	-	-		+		1	-	+
23		+		-		+	-	+		-		H		\vdash		╁		+		\vdash		+		+
24		+	-	-		+		1		\vdash		-		\vdash		\vdash		H		H		╁		+
25		+		\vdash		+		+		\vdash		-		+	-	╀		-		+		1		+
26		+		-		+		+		\vdash		-		+		+		+		+		+	-	+
27	3:15 AM		0.08	М	0.00	E		+		\vdash		\vdash	-	+		+		+		+		-	0.51	+
28	3:45 AM	M	2.00	М	0.31	E		+		-	-	+	ļ	+	-	+		╁	4:45 AM	E	0.27	E	0.01	F
29		+		\vdash	-	+		+		\vdash	-	\vdash	-	+		1		+		+		+	-	+
30		+		-	-	+		+		\vdash	-	+		+		+		+		+		+	-	+
		Da			1112	+		De		-	1000	-		De			J.J. Bill			Da	Name :		-0.50	1
Totals:	9	Da ys	29.47		4.05		0	ув	THE P		0.00		0	YE			0.00		3	ур	4.05	1	0.33	1



City:	City of Sc	outh	Bend	_		_		_		_			Page (of	11	-		erm	it Number:	IN	0024520	_		_
acility.	South Be	nd l	Municipa	ı W	WTP			_		_		_		Р	ublic Not	ifica	ation Requ	iren	ents Met?	Υ	- 0			
Monitor	ing Period		April		2024				u a J	E					Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month:	므
Design	Peak Flow	(Hot	urly) (MG	D):	77		Design Fl	ow	(MGD):		48	_	Measured/	Met	ered (M)	or E	stimated (E) m	ust be spec	ifie	d		SUS	_
		cs	O Outfall	No.	028			cs	O Outfall	No.	029			cs	O Outfall	No.	031			C	O Outfall	No.	033	T
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Olscharge 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)		Event Discharge (MG)	M
1	2:05 AM	Ε	1.89	E	0_04	E	2:05 AM	E	3.58	Е	0.07	E	2:05 AM	E	11.97	E	1.91	E	2:05 AM	Ε	11.62	E	0.06	Ε
2																			- 55					
3																								L
4																					- /			L
5						Г																		
6																								
7						Γ	7:50 PM	E	0.21	E	0.00	E	7:50 PM	E	1.05	E	0.05	E	7:50 PM	E	0.49	E	0.00	E
8																								L
9																						L		L
10																								L
11	3:45 AM	E	0.59	Ε	0,00	E	3:45 AM	E	2.30	E	0.04	E	3:45 AM	E	7,79	E	1.03	E	3:45 AM	E	7.90	E	0.03	E
12																								L
13																						L		L
14																								L
15																		L				L		L
16																								L
17							2:25 AM	E	1,09	E	0.01	E	2:25 AM	E	3.98	Е	0.29	Ε	2:25 AM	E	2.89	E	0,01	E
18							12:50 AM	E	0,31	E	0,00	E	12:50 AM	E	1.58	E	0.07	Ε	12:50 AM	Ε	0.73	E	0.00	E
19							2:00 AM	E	0.73	E	0.00	E	2:00 AM	E	3.50	E	0.17	E	2:00 AM	E	1.77	E	0.00	E
20																								L
21																								L
22																		L				L		L
23																								L
24																								L
25									1															
26		Π				Γ	6:55 PM	E	0.15	E	0.00	E	6:55 PM	Ε	0.79	E	0.03	E	6:55 PM	Ε	0.37	E	0.00	E
27								Γ																L
28							4:40 AM	E	2.11	E	0.02	E	4:40 AM	E	5.34	Е	0.63	E	4:40 AM	E	6.06	E	0.02	E
29		П		Γ		Γ																		
30		Ι																						
118		Du ys			Sec.			De		-				De	36.00	-	4.18	-	8	De	31.83	-	0.12	+



ity:	City of So	uth	Bend										Page 7	of	11			² em	nit Number	: IN	0024520	_		_
acility:	South Be	nd l	Municipa	ı W	WTP									P	ublic Not	ifica	ation Requ	ilren	nents Met?	Υ	DIE			
onitor	ing Period:		April	IJ	2024						dax				Chec	k b	ox if no C	so	discharge	9 00	curred fo	or th	e month:	<u>.</u> [
esign	Peak Flow	(Hot	ırly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) n	ust be spe	cifie	d			
X		cs	O Outfall	No.	035		1357	cs	O Outfall	No.	036			cs	O Outfall	No.	037			C	SO Outfall	No.	038	
Day of	Time Discharge	М	Event Duration	M	Event Discharge		Time Discharge	Mor	Event Duration	M	Event Discharge	Mor	Time Discharge	Mor	Event Duration	M	Event Discharge		Time Discharge	Mor	Event Duration (Hours)	M or E	Event Discharge	e a
Month 1	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	Ε	fuonsi	Or E	(MG)	T
2	2:05 AM		14.94	E	0,30	E	2:05 AM	E	4.17	E	0,04	E	2:45 AM	M	2.67	M	0.64	E		+				t
3	5:10 AM	-	0.29	E	0,00	E		Н		Н		H				╁	_	⊢		╁	_			t
4	5.05 PM	E	0.29	E	0.00	E		Н		Н				H		H		H	-	H	_	H		t
5		Н		H	-	Н		Н		H				H				H		╁				t
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6				H		H				\vdash		\vdash		-		+		1		+				+
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10		H		H		H		Н		H		H	-	L		₽		H		+		H		+
11	3:45 AM	E	10.84	E	0,18	E	3:45 AM	E	3.04	E	0.02	E		H		-		⊢		+	_	H		+
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18	12:50 AM	E	2.64	E	0.02	Ε		L						L		L		L		+		_		+
19	2:00 AM	E	5.48	E	0.04	E	2:00 AM	E	0.10	E	0,00	E	2:00 AM	E	1,99	E	0.27	E		+		Ш		Ŧ
20		L		L		L		L		_		L	ļ	L		L		L		1				+
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23						L														-				1
24						L																		
25																								1
26	6:55 PM	E	1.49	E	0.01	E																_		1
27	4:15 AM	E	0.29	E	0.00	E																		1
28	4:40 AM	Т	8.77	Е	0.13	E	4:40 AM	E	2.48	E	0.01	E	4:45 AM	E	4.14	Е	0.67	E						
29																								
30		T				T																		T
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otals:	11	De ys	53.24		0.76		5	Da ys	10.51		0.07		4	De ys	8.96		1.57		0	De	170	7	0.00	T



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

ity:	City of So	uth	Bend										Page 8	of	11		F	•епт	it Number:	IN	0024520	_		_
acility:	South Bei	nd N	/lunicipa	ıl W	WTP	_		_						Р					nents Met?	_				
onitor	ing Period:		April	H	2024		401.0	Ţ,		W	Helica I				Chec	k b	ox if no C	so	discharge	oc	curred fo	r th	e month:	۱ :
esign l	Peak Flow	(Hou	ırly) (MGI	D):	77		Design Fl	ow	(MGD):		48		Measured/I	Mete	ered (M)	or Es	stimated (E) m	ust be spe	cifie	d	7.	-8	
		cs	Outfall	No.	039			cs	O Outfall	No.	040			cs	O Outfall	No.	041			C	O Outfall	No.	042	
Day of	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)	Mor	Time Discharge Began	M or	Event Duration (Hours)	M or E	Event Discharge (MG)	0 0
1	2:15 AM		4.79	E	0.25	E	2:10 AM		2.05	E	0.07	E	2:15 AM	F	2,43	Ε	0.03	E		Ī				T
2	2.13 AIVI	Ħ	4.75	-	0.20	Ť	2.107.00	Ė	2,00	Ī	0,01			Ī		Ī						П		T
3		П		П		Ħ		Т		П		Г				Г		Г		T				T
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11				+	0.40	t	0.40.444	F	4.00	-	0.05	-	2.25 414	-	1.98	E	0.02	E		t		П		t
12	3:35 AM	늗	3.99	E.	0.18	투	2:10 AM	1	1.80	E	0.05	Ε	3:35 AM	F	1.98	1	0,02	=		t				†
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28	4:10 AM	E	2.64	E	0.08	E	4:45 AM	E	0.31	E	0.01	E	4:10 AM	E	0.81	E	0,00	E		-		H		+
29		\vdash		-		+		+		-		-	-	\vdash	-	+		+		+	_	-		+
30		+		-		+		+		\vdash		\vdash	-	\vdash		H		+	-	+	-	1		+
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City:	City of So	uth	Bend					_					Page 9	of	11	_	.0. 1	Perm	ilt Number.	IN	0024520	-		_
acility	South Be	nd N	/lunicipa	ıl W	WTP									P	ublic Not	ifica	ation Requ	ilren	nents Met?	Υ				E
lonitor	ing Period:		April		2024		بالثعير				WITE !				Chec	k b	ox if no C	so	discharge	00	curred fo	or th	e month:	Е
esign	Peak Flow	(Hou	ırly) (MG	D):	77	-	Design Fl	ow	(MGD):	. 13	48		Measured/	Met	ered (M)	or E	stimated (E) m	ust be spe	cifie	d	W		
			O Outfall	3.30.00	044			cs	O Outfall	No.	045			cs	O Outfall	No.	048			C	SO Outfal	No.	049	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	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	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	N or
1		Πİ				Г	2:25 AM	E	4.39	E	1.53	E	2:15 AM	E	13.53	E	0.86	E		Γ				Γ
2		П				Г		Г																
3		П						П					4:20 PM	Ε	0.52	E	0.01	E						L
4		П				Г		Π																
5						Г		П																
6		П				Г		Γ																
7								Г					8:00 PM	E	2.08	E	0,06	E						L
8						П																		L
9																								
10																								1
11						L							3:35 AM	E	11.01	E	0.67	E						1
12												L												L
13																								
14								L										L						1
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17													2:05 AM	E	4.30	E	0.19	E		L				ļ
18						L		L					1:00 AM	E	2.84	E	0.10	E		L				L
19						L	1:05 AM	M	1.75	М	0.61	E	2:00 AM	E	4.45	E	0.20	E		╀		L		ļ
20						L		L		L		L				L		┺		1		L		L
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City:	City of Sc	uth	Bend					_				_	Page 1	0 of	11	_	F	em	nit Number.	IN	0024520		-	-
acility	South Be	nd N	Aunicipa	l W	WTP		_			_				P		_		_	nents Met?	_				
/onito	ing Perlod:		April		2024		Inflat			Ц		E,			Chec	k b	ox if no C	so	discharge	00	curred fe	or th	e month:	L
esign	Peak Flow	(Hou	ırly) (MGE):	77		Design Fl	ow	(MGD):		48	_	Measured/	Met	ered (M)	or E	stimated (E) m	ust be spe	cific	ed		100	
		CS	O Outfall	No.	060			cs	O Outfall	No.				cs	O Outfall	No.	[#]			C	SO Outfal	No.	[#]	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	MI or E	Time Discharge Began	M or E	Event Duration (Hours)	Mof	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 Begen	M or E	Duration	M or E	Event Discharge (MG)	A or
1	2:05 AM	E	11,62	E	0.04	E		Ī						Г		Г				Г				
2	Lissimi	Ī		Ī		Ť		T												Г				
3														Г		Г								
4						Г		T						Г		Г								
5		Г						T						Г						Г				
6																								
7	7:50 PM	E	1.79	E	0.00	E																		
8																								
9						Г																		
10		П								Г														
11	3 45 AM	E	8.94	E	0.02	E								Π										
12		Г				Г				Г														
13		Г				Г		Γ		Г														
14																								
15																								
16																								
17	2:25 AM	Ε	6.51	Ε	0.00	E																		
18	12:50 AM		2.69	E	0.00	E																L		
19	2:00 AM		5.93	E	0.00	E														L				
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25																				L				1
26	6:55 PM	E	1.35	Ε	0.00	E																		
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28	4:40 AM	E	8.15	E	0,01	E																		
29																								
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Totals:	8	Day	46.98	10	0.08	T	0	De			0.00		0	Dia ye			0.00		0	D		16	0.00	



City:	City of South Be	nd				Page: 11 of 11	Permit Number: IN0024520
Facility:	: South Bend Mur	icipal WWTP				Public Notifi	cation Requirements Met? Y
Monitor	ing Period: April	Year:	2024		Lymu.	Check box if n	o CSO discharge occurred for the month:
Design	Peak Hourly Flow	(MGD):	77	Design Average Flow (MGD):	48		
Day of				THE RESERVE OF THE PARTY OF THE	W = 0	VI-II-II WAR IN THE REAL PROPERTY.	
Month				to why each CSO event occurre	d)		
1	Precipitation Ev						
2	Precipitation Ev						
3	Precipitation Ev	ent Observed	1				
4							
5 6							
7	Precipitation Ev	ani Ohserver					
В	r-recipitation LV	CIR ODSCIVE					
9							
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11	Precipitation Ev	ent Observed	i				
12							
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15							
16 17	Precipitation Ev	ant Observer	1				
18	Precipitation Ev						
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22							
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24							
25							
26	Precipitation Ex Precipitation Ex						
27	Precipitation EV						
29	Fred pitation EV	rent Observed					
30	-						
- 50	l						
Typed	or Printed Name a	and Title of Pr	incipal Ex	ecutive Officer or Authorized Agent			Telephone
	ompson . Director o			1.77			574-235-5969
I CERTI WITH A INQUIR SUBMI	IFY UNDER PENA SYSTEM DESIGN Y OF THE PERSO TTED IS. TO THE	LTY OF LAW NED TO ASSU DNS WHO MA BEST OF MY	JRE THAT NAGE THE KNOWLE	QUALIFIED PERSONNEL PROPERLE SYSTEM OR THOSE PERSONS DIF	Y GATHER A RECTLY RESI E, AND COMF	ND EVALUATE THE INFORM PONSIBLE FOR GATHERING PLETE. I AM AWARE THAT	CTION OR SUPERVISION IN ACCORDANCE MATION SUBMITTED. BASED ON MY S THE INFORMATION; THE INFORMATION THERE ARE SIGNIFICANT PENALTIES FOR INS.
	ure of Principal E						Date (mm/dd/yy)
	11-1						5/16/24
	*	Now	V~				10/12/2

CSO Public Notification - April

Day of Month	Day of Week	Total Daily Precip. (inches)	Total Daily CSO Discharge Volume (MG)	Notification Sent	Notes
1	Mon	1.20	13,95	YES	
2	Tue	0.13	0.00	YES	
3	Wed	0.22	0.03	YES	
4	Thu	0,02	0.00		
5	Fri	0.02	0.00		
6	Sat		80		
7	Sun	0.25	0.25	YES	
8	Mon	0,04	0.00	YES	Initial Notice Sent Due To Precipitation, But No Overflow Occurred
9	Tue	-			
10	Wed	0.01	0.00		
31	Thu	0.95	5.30	YES	
12	Fri	0.01	0.00		
13	Sat				
14	Sun		15.00		
15	Mon				
16	Tue	0.02	0.00		
17	Wed	0.48	1.53	YES	
18	Thu	0.28	0.35	YES	
19	Fri	0.40	5.00	YES	
20	Sat				
21	Sun				
22	Mon		(+)		
23	Tue	0.08	0.00	YES	Initial Notice Sent Due To Precipitation, But No Overflow Occurred
24	Wed	92	Y#:		
25	Thu				
26	Fri	0.20	0.12	YES	
27	Sat	0.21	0.00	YES	
28	Sun	0.55	3.88	YES	
29	Mon	0.06	0.00	YES	Initial Notice Sent Due To Precipitation, But No Overflow Occurred
30	Tue	120	15		

Notes

Average Daily Flow Average value of 5-min WWTP flow data

Peak Hourly Flow
Time Precipitation Began
Precipitation Duration
Total Daily Precipitation
Total Daily Precipitation
Total Daily Precipitation
Total Daily Precipitation

Maximum value of the rolling hourly average flow rate
First precipitation recorded between the six rain gauges
Cumulative duration of all precipitation for the day
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

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 sensor at CSO 006 was not functional from the 1st to the 4th of this month. The sensor at CSO 022 was removed for sewer cleaning during a portion of this month.

The sensor at CSO 045 failed early in the month and was replaced.

The sensor at CSO 037 was removed for sewer cleaning during a portion of this month.

The Matrix of Storms was used to calculate overflows during these periods.

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.

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



City:	City of So		JEPAKIMENI	Of Elevino	A THE I	Annochic				Page	1 of	11			erm	nit Number	: INC	0024520	
0.55			ipal WWTP									A STATE OF	tific	ation Requ	Iren	ents Met?	Υ		
Monitor	ing Period	l: Ma	у	2024			1000	4.5		in Tek	Ch	eck box i	f no	CSO disch	arg	e occurred	for	the month	. 🗆
Design	Peak Hour	ly Flow (I	MGD):	77	Design Ave	erage Flow	(MGD):	48		Measured	/Met	ered (M)	or E	stimated (E) m	ust be spe	cifie		164
wwTi	Influent	Data	Serie S	Pro	ecipitation E	Data		ALBOY.	С	SO Outfall	No.	001	3		С	SO Outfall	No.	002	
Day of Month	Average Daily Flow (MGD)	Peak Hourly Flow (MGD)	Time Precip. Began (am/pm)	Precip. Duration (Hours)	Total Dally Precip. (inches)	Peak Intensity (Inch/hr)	Measureme nt interval (hr, 30 m, 15 m)	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharg e (MG)	M	Time Olscharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M
1	32.0	35.1																	
2	32.0	37.9	1:00 PM	0.83	0.08	0.07	1 hr												
3	33,6	37.6	2:25 AM	1.42	0,20	0.14	1 hr												
4	31.1	35.0	11:00 PM	0.92	0.50	0.50	1 hr												
5	37.7	73.0	12:15 AM	1.17	0.25	0.25	1 hr	2:15 AM	E	0,04	E	0.00	E						
6	30.8	34.2			-						Γ		П						П
7	33,5	43.9	10:55 AM	1.50	0.54	0.45	1 hr												
8	30,5	34.3			223						Γ						П		
9	40.9	81.6	5:30 AM	7.08	0.77	0.29	1 hr	7:40 AM	Е	1.05	E	0.06	E	7:40 AM	E	0,26	E	0.00	E
10	32.2	39.3	1:40 AM	0.08	0.01	0.01	1 hr				Π						Π		
11	33.8	63.8	2:20 AM	1.75	0.20	0.16	1 hr				Г		Г		П		П		
12	30.2	34.2																	
13	37.9	74.7	3:55 PM	2.00	0.60	0.57	1 hr						Г		П		T		Т
14	41.7	80.3	6:15 AM	4.33	0.80	0.53	1 hr	5:35 PM	E	1.88	E	0.20	E	5:35 PM	Ε	1.94	E	0.01	E
15	33,8	44.3	12:00 AM	1.58	0.06	0.03	1 hr		П		Г		Г		П		Γ		
16	36.9	57.2	5:10 PM	1.25	0.45	0.44	1 hr												
17	33.0	48.3	11:00 AM	0.08	0.01	0.01	1 hr				П						Г		
18	31.9	35.7									П		Г		П		П		
19	31.6	34.6									П		Г						
20	38.3	82.1	7:10 PM	1.42	0.39	0.30	1 hr	9:10 PM	E	0.51	E	0.02	E		П		Т		П
21	32.6	58.7	12:25 AM	0.08	0.01	0.01	1 hr				П		Г				Г		
22	31.2	33.8									П						T		П
23	30.7	34.2			30						П		П		П		Γ		
24	30.8	34.6	3:20 PM	0.33	0.03	0.03	1 hr				Π				П		Γ		
25	30.0	34.1									Г		П		П		Г		
26	32.9	57.6	2:00 PM	1.25	0.36	0.36	1 hr				Π								
27	41.8	83.7	12:00 AM	2.42	0.85	0.83	1 hr	2:45 AM	E	0.26	E	0.01	E		Г		Г		П
28	31.2	35.8	5:30 AM	2.50	0.36	0.28	1 hr			1.0									
29	39.4	68.1	1:35 AM	3.58	0.37	0.18	1 hr	3:35 AM	F	0.48	E	0.02	E		П		T		
30	31.0	34.2	1.00.	0.00	-			0.0071111			T		Ē	Ī	П		T		T
31	31.3	35.4			120										Т				
72 8	All Table	Akat	tanitali	25.50	604	T ENTA	i Disilara		Da ya	4.22	10	0.32	551	2	Da ya	2.20	T	0.01	
Totals:	1046.1 or Printed I	Name and	Title of Prin	35.58 ncipal Exec	6.84 cutive Office	r or Autho	rized Agent	6	ye	4.22	_	0.32	1_	Telephone	-	2.20	1	0.01	
I CERTI WITH A INQUIR' SUBMIT SUBMIT	FY UNDER SYSTEM! Y OF THE TED IS, TO TING FAL	PENALT DESIGNE PERSONS O THE BE SE INFOR	D TO ASSUR S WHO MAN ST OF MY K RMATION, IN	RE THAT Q AGE THE S (NOWLEDO CLUDING	UALIFIED P SYSTEM OR SE AND BEL THE POSSIE	ERSONNE THOSE P LIEF, TRUE	ATTACHME L PROPERL ERSONS DIF E, ACCURAT FINE AND IN	Y GATHER RECTLY RE E, AND CO	AN SPO MPL	D EVALUA ONSIBLE F .ETE. AN	TE OR // AV	THE INFO GATHERI VARE TH	RM. NG AT	ATION SUB THE INFOR THERE ARE IS.	MIT RMA E SIC	TED. BAS TION; THE GNIFICANT	ED (CCORDAN ON MY ORMATIO	N
Signatu		O CO	utive Office	r or Author	ized Agent		100000	-10000	100	DESCRIPTION OF THE PARTY OF THE				Date (mm/					



Monitor	South Be	nd I	ity: City of South Bend																					_
60000	cility: South Bend Municipal WWTP											_		-	Public No	tific	ation Requ	iren	nents Met?	Υ	The state of	S.		gr.
eslan	ing Period:	9	May		2024				130	Ž,				76	Che	ck l	oox if no C	cso	discharge	9 00	curred f	or th	e month:	: [
-	Peak Flow	(Ho	urly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) m	ust be spec	ifie	d			ä
91.		CS	O Outfall	No.	003		State of	CS	O Outfall	No.	004		United in	cs	O Outfall	No.	006	碧		CS	O Outfal	No.	007	j)
Day of Month	Time Discharge Began	M or E	Event Ouration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	Mor	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 Begen	M or E	Event Duration (Hours)		Event Discharge (MG)	e M
1						П		П				Г		Г		Г		П		Г				T
2																								
3		П		Г		П								Г				Г		T				T
4													11:50 PM	м	0_17	М	0.03	Е		T				T
5		П				П							12:00 AM		1,67	М	0,23	E		T		Г		
6						П												Ť						T
7						П																		
8																		Г						
9													12:10 PM	м	2,58	М	0,90	E	10:20 AM	E	0.11	E	0,00	E
10		П				П		Г		П								Ē		Ī			- 5,00	1
11						П														П		Г		1
12		П				П				Г		Г		Г						T				1
13		П				П							4:15 PM	м	2.75	м	1.95	E		Г				
14		П				П		Г					3:45 PM			М	2.53	E	5:20 PM	E	2.15	Е	0.01	E
15																		Ē		Ī		Ī	3.07	1
16		П											5:40 PM	м	2,33	М	0,77	E						1
17		П				П		П												Г				T
18		П		П		П														Г				
19		П				П		П		Г		П				Г				T		П		T
20		П		П		П							7:40 PM	м	2,58	м	0.41	E		Г				T
21		П				П						П						Ī						
22																								T
23		П				П				Г														
24		П				П		П																1
25		П				П																		1
28		П				П										Г								1
27	1:40 AM	м	1,75	м	1.89	Е	3:05 AM	Е	0,20	E	0.00	Ε	1:15 AM	M	3,33	м	3,78	E	3:05 AM	F	3.66	E	0.03	E
28			-,,,,	"	.,00	Ħ	0.0071101	Ť	0,20		0,00	-	T. TO AIVI	141	0,00	141	0,10	-	0.00 AIVI	-	0,00	-	0.03	+
29		H				H							2:30 AM	M	3, 17	М	0.75	E		-				+
30		H				H							2.30 AIVI	IVI	3,17	IVI	0,75	드						1
31		H				H								-		\vdash		-		+				+
otals:	1	Da ys	1.75		1.89	Ħ	1	Dn. ys	0.20		0.00	100	9	Da	22.17		11.34		3	Da ys	5.92		0.04	+



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

State Form 50546 (R3 / 7-13)

City:	City of Sc	outh	Bend							_			Page 3	of	11		P	em	ilt Number:	1N	0024520	_		_
acility	South Be	outh Bend Municipal WWTP										_	1971	Pu	blic Notif	fica	tion Requi	ren	nents Met?	Y	ASID.	MA.	Marine.	11
Ionitor	ing Period:	Period: May 2024									(5,51)	j	NSE4		Check	k b	ox if no C	50	discharge	9 00	curred f	or th	e month:	E
esign	Peak Flow	(Hou	urly) (MG	D):	77		Design FI	ow	(MGD):	V.	48	_	Measured/	Met	ered (M)	or E	stimated ((E)	must be spe	eclfi	ed			H
w.Ell		CSC	Outfall	No.	800			CS	O Outfall	No.	010		THE P	csc	Outfall I	No.	11A		2001	C	O Outfal	No.	11B	J
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	or E	Event Duration (Hours)		Event Discharge (MG)	
1																								Ι
2																								
3	4:30 AM	E	1,53	E	0.00	E																		
4	1:10 AM	Е	2.38	E	0.01	E	1:10 AM	E	0.63	E	0.01	E							1:10 AM	E	0.54	E	0.03	E
5	2:20 AM	Е	1.75	E	0.00	E	2:20 AM	E	0.00	Ε	0.00	E							2:20 AM	E	0.00	E	0.00	E
6				L														-						
7	1:50 PM	E	2.38	E	0.01	E	1:50 PM	E	0.63	E	0,01	E							1:50 PM	E	0,54	E	0.03	E
8				L																				
9	10:20 AM	E	9.74	E	0.10	E	10:20 AM	E	4.89	Ε	0,11	E							10:20 AM	E	4,55	E	0,66	E
10																L				L				1
11	4:35 AM	E	3.02	E	0.02	Ε	4:35 AM	E	1.27	Ε	0.01	E							4:35 AM	E	1.08	E	0,05	E
12										L														
13	6:05 PM	Ε	5.92	Ε	0.06	E	6:05 PM	E	3.83	E	0.07	E							6:05 PM	E	3.46	E	0.39	E
14	12:00 AM	E	7_94	E	0.11	E	5:20 PM	E	5.96	E	0.17	E		Ш		L		L	5:20 PM	E	5,47	E	1,07	Ε
15	12:00 AM	E	4_38	E	0.06	E				L														1
16	7:20 PM	E	4.67	E	0.05	Ε	7:20 PM	E	4.42	Ε	0.09	Ε						L	7:20 PM	Ε	4,07	E	0.53	E
17	12:00 AM	E	3.96	E	0,04	E				L								L		L		\perp		
18																L								1
19						L		L		L		L						L		L				1
20	9:15 PM	E	2.75	E	0.02	E	9:15 PM	E	2,75	E	0.03	Ε				L		L	9:15 PM	E	2,42	E	0_13	E
21	12:00 AM	E	1.96	E	0.02	E	12:00 AM	Е	0.08	E	0.00	E		Ш		L		L		L		_		ļ
22				L		L		L		L						L		L						1
23				-		L		_		L								L				_		1
24				L		L		L		L								L		-				1
25				_		L		L		L								L						1
26	4:15 PM	E	3.23	Е	0.02	Ε	4:15 PM	E	1,48	E	0.02	Ε				L		L	4:15 PM	Ε	1.26	E	0,06	E
27	3:05 AM	E	12,25	E	0.20	E	3:05 AM	E	7.02	Ε	0.22	E						L	3:05 AM	E	6.43	E	1.44	E
28	10:55 PM	E	0.00	Ε	0.00	E				L						L		L		L		-		1
29	3:45 AM	E	3.23	Ε	0.02	E	3:45 AM	Ε	1.48	E	0,02	E						L	3:45 AM	E	1,26	E	0.06	Ε
30				L												L						_		
31										L		L		L		L						_		1
otals:	17	De ys	71.09		0.74		13	Da ys	34.44		0.77		0	Dai	Sales A		0.00		12	Da ya	31.08		4.44	



City:	City of So	outh	Bend										Page	4 of	11			Pern	nit Number:	IN	0024520			
Facility	: South Be	nd l	Municipa	al W	WTP									F	ublic No	tifica	tion Requ	ilren	nents Met?	Υ	1836	1	148,5	50
Monitor	ring Period:		May		2024		Buch			9	ini.		FURBUS	Til.	Chec	k b	ox if no (so	discharge	9 00	curred fo	or th	e month:	. 🗆
Design	Peak Flow	(Ho	ırly) (MG	D):	77	_	Design Fl	ow	(MGD):	ni	48		Measured	Met	tered (M)	or E	stimated (E) m	ust be spe	cifie	d	311	463	
		cs	O Outfall	No.	014	1	MILITARY	CS	O Outfall	No.	018		A Company	CS	O Outfall	No.	019	102		C	SO Outfall	No.	021	10
Day of Month	Time Discharge Began	or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	or E	Time Discharge Began	M	Event Duration (Hours)	or E	Event Discharge (MG)	or E	Tirms Discharge Began	M	Event Duration (Hours)	M or E	Event Discharge (MG)	M or
1		Ī				T		Г						Г		Г		Т						T
2						T						Г		Г		Г				T		П		T
3						T												Г		T				T
4		П				T		Г					1:05 AM	E	0.78	E	0.01	E	1:05 AM	F	0.02	E	0.00	E
5								Г		Г	-			Ī	-	Ī		_		Ť	0.02	Ī	2.00	
6		П				T								П		Г		Г				Г		T
7		П				T							12:55 PM	Ε	0.89	E	0.02	E	12:55 PM	F	0.08	E	0.00	E
8		П				T										Ī	5152			Ī	0,00		0.00	T
9	10:20 AM	Е	1,03	Е	0.05	E	10:20 AM	Е	6.60	E	0.24	E	7:30 AM	É	1,69	Ε	0,04	Ε	7:30 AM	F	0.51	E	0.00	E
10																Ē			1300	-	5.5.		0,00	Ť
11		П		П		T																		\vdash
12						T														Г				
13	6:05 PM	E	0.52	E	0.03	E	6:05 PM	E	3,42	E	0.12	E								Г				T
14	5:20 PM	E	1.56	E	0.06	Ε	5:20 PM		6,67	E	0.45	E	8:15 AM	Е	0.78	E	0.01	Е	8:15 AM	Ε	0,02	E	0.00	E
15						Г	12:00 AM	Е	0.27	E	0.02	E												Ī
16	7:20 PM	Е	0,80	E	0.04	E	7:20 PM	E	4.67	Е	0,16	E								П				
17							12:00 AM		0,60	E	0,02	E								Г				T
18		П				Г																		T
19						Г		П						Г										
20	9:15 PM	Е	0.04	Ε	0.00	E	9:15 PM	E	0.26	E	0.01	Е		Г						Г				\vdash
21						T																		
22		П																						Г
23		П				П																		
24						П																		
25		П				П																		
26												-	4:15 PM	E	0.33	E	0.00	Е						
27	3:05 AM	Е	2.00	E	0.08	Ε	3:05 AM	E	7.33	Œ	0.67	E	3:20 AM		0.60	E	0.01	E						
28						Ť	5.2371101	Ť			y-1/2/		5.557.111	Ī	5,00		0,01	_						
29						Ħ		П																
30						H												П						
31																								
Totals:	6	De ys	5.95		0.26		8	Da ya	29.82		1,70		6	Da ye	5.07		0.09		4	Da ys	0.63	B	0.00	



National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO) State Form 55046 (R3 / 7-13)

City:	City of Sc	uth	Bend										Page 5	5 of	11		F	em	it Number:	IN	0024520	_		
acility	South Be	nd l	Municipa	al W	WTP									Р	ublic Not	fica	itlon Requ	Iren	nents Met?	Y	500			u
lonitor	ing Period:		May		2024		the said			05					Chec	k b	ox if no C	so	discharge	00	curred fo	or th	e month:	12
esign	Peak Flow	(Ho	ırly) (MG	D):	77		Design Fl	ow	(MGD):		48	_	Measured/	Met	ered (M) o	r E	stimated (I	E) m	ust be spe	cifle	ed			
		CS	O Outfail	No.	022			cs	O Outfall	No.	025		ME N	CS	O Outfall	No.	026		L PSQUIF	C	SO Outfall	No.	027	
Day of	Time Discharge Began	M or E	Event Duration (Hours)	or E	Event Discharge (MG)	Mi or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E		M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M of E	Yime Discharge Began	M or E	Duration	M or E	Event Discharge (MG)	or
1		Γ		Π		Γ		Γ												Γ				Γ
2						Г																		Г
3						Г														Ī				Г
4	11:20 PM	М	0.67	м	0.30	E														Γ		П		Г
5	12:00 AM		0.75	м	0.02	E		П						Г						Г				Г
6						Г		П																Г
7	5:05 PM	м	0.75	м	0.37	E		П																Г
8		Г				Г									- 13									Г
9	11:25 AM	м	1.75	м	0.38	Ε													7:40 AM	E	0.73	E	0.04	E
10																								Г
11						Г		П																Γ
12						Г														Π				
13																				Γ				
14	3:25 PM	м	1,25	м	0.62	E													5:20 PM	E	0.27	Е	0.01	E
15																								
16	5:45 PM	М	0.33	м	0.03	E																		L
17																								
18																								
19						L																		L
20	7:45 PM	м	0.67	М	0.05	E																		L
21																								
22								L																L
23						L																		L
24						L																		L
25																								
26	2:50 PM	М	0.50	М	0.08	E																		
27	1:35 AM	М	0.83	м	0.32	E																		
28																								
29																								Ĺ
30																								
31																								
Totals:	9	Da ye	7.50		2.18		0	Da ya	SAY		0.00	57	0	Da	Distance of		0.00	i	2	De	1.00	100	0.05	



National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO) Slate Form 50546 (R3 / 7-13)

City:	City of So	uth	Bend										Page 6	of	11		A 17 F	erm	it Number:	IN	0024520			_
acility:	South Ber	nd N	/lunicipa	l W	WTP									Р	ublic Not	lfica	tion Requ	iren	nents Met?	Υ				
fonitor	ing Period:	gi.	May		2024		W.D.	ľ	250		will.		C-XIII	H	Chec	k b	ox if no C	so	discharge	OC	curred fo	or th	e month:	
nglesC	Peak Flow (Hou	rly) (MGI	D):	77		Design Fi	wo	(MGD):		48	_	Measured/I	Viet	ered (M) o	or E	stimated (i	≣) m	ust be spec	ifie	d	24. 1		T
		CS	O Outfall	No.	028	E		cs	O Outfall	No.	029	Til	A 188	cs	O Outfall	No.	031			C	SO Outfal	No.	033	_
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M of E	Event Discharge (MG)	M or E	Time Discharge Began	or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M of E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	or
1		П				Г		П												Γ				Г
2																								
3						Г																		
4		П				Г	1:10 AM	Е	0.15	E	0.00	E	1:10 AM	Ε	0.79	E	0,03	Ε	1:10 AM	E	0,37	E	0.00	E
5							2:20 AM	Е	0.00	E	0.00	Е	2:20 AM	E	0.00	E	0.00	Е	2:20 AM	E	0.00	E	0.00	Е
6																								
7							1:50 PM	E	0.15	E	0,00	E	1:50 PM	E	0.79	E	0.03	E	1:50 PM	E	0.37	E	0.00	Ε
8																								L
9	10:20 AM	Е	0.03	E	0,00	E	10:20 AM	E	2.17	E	0.02	E	10:20 AM	Е	5.56	E	0.67	E	10:20 AM	E	6.35	E	0.02	Ε
10						L		Ш																┖
11		П				L	4:35 AM	E	0.31	E	0.00	E	4:35 AM	E	1.58	E	0.07	E	4:35 AM	E	0.73	Ε	0,00	E
12						L		Ш																
13		Ц				L	6:05 PM	E	1.45	E	0.01	E	6:05 PM	Ε	4.46	Ε	0.41	E	6:05 PM	E	4.01	E	0.01	E
14	5:20 PM	E	0.66	E	0,00	E	5:20 PM	Е	2,32	E	0,04	Ε	5:20 PM	E	6,67	E	0,89	E	5:20 PM	E	6.67	E	0,03	E
15		Ц				L		Ш					12:00 AM	Ε	1.40	E	0,19	Ε	12:00 AN	E	1.42	Е	0.01	E
16		Ц		L		L	7:20 PM	Ε	1.87	E	0.02	E	7:20 PM	E.	4,67	E	0,51	E	7:20 PM	E	4,67	E	0.01	E
17		Ц				L		Ш		_		L	12:00 AM	E	0.35	E	0.04	E	12:00 AN	E	0.65	E	0.00	E
18		Ц		Ш		Ļ		L				L						L		L				+
19		L		_		L		L		_		L		L	_	L		L		1	-	-		╀
20		L		_		╀	9:15 PM	Е	0,73	E	0,00	E	9:15 PM	E	2,75	E	0,13	E	9:15 PM	E	1,77	E	0.00	E
21						1				-			12:00 AM	E	0.75	E	0.04	E		L	-			+
22		L		_		1		H		-		L	-	L		L		L		H		-		+
23		H		-		1		H		1		L	 	L		L	-	-		-		-		+
24				-		+		H		1		L	-	H		-	-	-		H		-		+
25		H		-		+		H		-		_		L		-	-	-		+	-	-		+
26	-	H		-		+	4:15 PM	E	0.36	E	0.00	E	4:15 PM	П	1.84	E	0.08	E	4:15 PM	\top	0.85	E	0.00	E
27	3:05 AM	E	1.21	E	0.01	E	3:05 AM	E	2.59	E	0.05	E	3:05 AM	Ε	10,09	E	1,43	E	3:05 AM	E	9,61	E	0.04	E
29						T	3 45 AM	Е	0,36	Е	0.00	Ε	3:45 AM	Е	1.84	Ε	0.08	E	3:45 AM	E	0.85	Е	0.00	E
30						T																		
31																								
Totals:	3	Do ys	1.90		0.01		12	Dis ye	12.46		0.14	-	15	Da	43.54		4.60		14	De			0.12	



City:	City of So	uth	Bend										Page 1	of	11		F	erπ	ilt Number:	IN	0024520			
Facility:	South Bei	nd l	Municipa	ıl W	WTP									F	ublic Not	lfica	ition Requ	iren	nents Met?	Υ		3 19		R
Monitor	ing Period:		May		2024			h		i O	· nas		497		Chec	k b	ox if no C	so	discharge	e oc	curred fo	or th	month:	J
Design I	Peak Flow ((Hoı	ırly) (MGI	D):	77		Design Fl	ow	(MGD):	ß,	48		Measured/	Met	ered (M) (or E	stlmated (E) m	ust be spe	cifle	d		1920	
		cs	O Outfall	No.	035		1.13	cs	O Outfall	No.	036			cs	O Outfall	No.	037			C	SO Outfall	No.	038	J
Day of Month	Time Diecharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	OI.	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or	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)	or
1						Г		Г						П				Г		Г				Г
2		П				Т		Г						П				Г		П				Г
3	4:30 AM	E	0.29	E	0.00	E														Γ				Г
4		E	1.49	Ε	0.01	E		Г						Г				Г		П		П		Г
5	2:20 AM	E	0.33	E	0.00	E		Г						Г				Г						П
6								Г						Г										Г
7	1:50 PM	E	1,49	E	0,01	E							5:20 PM	м	0.42	м	0.03	Ε						Г
8		П		П		Т		Г				П								П				Г
9	10:20 AM	E	9.03	E	0.13	E	10:20 AM	E	2.61	E	0.01	E	12:35 PM	м	0.83	м	0.10	E						Г
10		П				T		T																
11	4:35 AM	E	2.64	E	0.02	E		Г						Г		Г		Г		Т				Т
12		Ħ		Ī		Ť		Г						Г		П		Г		П		П		Т
13	6:05 PM	F	5.92	E	0.07	E	6:05 PM	E	1.34	E	0.01	E	4:40 PM	м	0.50	м	0.02	Е		Τ				Т
14	12:00 AM	Ē	7.95	E	0.13	E	5:20 PM	\vdash	3.09	E	0.02	E	5:20 PM		4.14	Ε	0.67	E						Т
15	12:00 AM		4,39	E	0,08	Ē		Ī							.,	Ē		Ē		T				Т
16	7:20 PM	П	4.67	E	0.06	E	7:20 PM	F	2.07	E	0.01	E	6:00 PM	м	0.33	м	0.00	E		Т				
17	12:00 AM	П	3.53	E	0.05	E		Ī																Г
18	12.007	Ħ	0.00	Ė	0,00	Ť		T						Г				Г						T
19		П				T		Г						Г		П		Г		П				Т
20	9:15 PM	E	2.75	E	0.02	E	9:15 PM	F	0.10	E	0.00	E		Г		П		Г		T				Т
21	12:00 AM		2.73	E	0.02	E	G.10 . III	Ť	91.0		0.00					Т				T				\top
22	12.00 AW	Ħ	2.10	Ť	0.02	Ť		T				П		Г		Т		T		T				T
23		H				T		T						Г		П				T				T
24		П				T		T												T				
25		П				T		T				Т		Т		Т		Т		T				T
26	4:15 PM	F	3.03	E	0.02	E		T						Г				T		T				T
27		П	12.80	E	0.02	E	3:05 AM	E	3.53	E	0.02	E	1:40 AM	М	1.08	М	0.56	E		1				T
28	10:55 PM		0.00	E	0.00	E	3.03 AIVI		3,33	-	0.02	-	1.40 AIVI	IVI	1.00	IVI	0.30	1		T				T
29		E		E	0.00	E		H						Н				H		t				t
30	3:45 AM	E	3.03	E	0.02	15		+						Н		Н		1		T				T
31		H				H		H						H		H		1		+				1
Totals:	17	Ūa ys	66.07		0.89	t	6	De	12.74		0.06		6	Da ya	7.31		1.39		0	Da yu	1000	100	0.00	



City:	City of So	uth	Bend										Page 8	of	11			em	it Number:	IN	0024520	_		_
Facility:	South Be	nd N	/lunicipa	al W	WTP									Р	ublic Not	lfica	tion Requ	iren	ents Met?	Υ	100	HE		
Monitor	ing Period:		May		2024			b				M		8	Chec	k b	ox if no C	so	discharge	e oc	curred fo	r th	e month:	
Design I	Peak Flow	(Hou	ırly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/I	Viet	ered (M)	or E	stimated (E) m	ust be spe	cifie	d		Jih.	Ī
	A LAPA	cs	O Outfall	No.	039			CS	O Outfall	No.	040	Ñ		cs	O Outfall	No.	041	Ū		C	SO Outfall	No.	042	
Day of Month	Time Discharge Began	OF E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M of E	Event Discharge (MG)	or E	Time Diecharge Began	M of 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	Dogan	Ħ	(HOLID)	Ħ	()	Ť		i	(Liouis)		()			Ē	,,		,							1
2		H		Т		t		H		Г		\vdash				Т		T		t				T
3		Н				t		Г				\vdash												T
4	1:05 AM	E	2.45	E	0.06	E		F		T		Т	1:05 AM	F	0.62	E	0.00	E		T		П		T
5	1.00 AIVI	۲	2.40	-	0.00	۲		T		Т			1.00 / (10)	-	0.02	F	0.00	-		T		Т		T
6		H				t		T		Т				Т		T		T		t				\vdash
7	12:55 PM	E	2,57	E	0.07	E		T		Г		T	12:55 PM	F	0.73	E	0.00	E		T		П		Т
8	12.551 1	Ė	2,01	Ť	0,01	t		T		Г		T	12.00 1 M	Ī	0.10	Ī	0.00	Ϊ		T				Т
9	7:30 AM	E	3.43	E	0.14	E	7:40 AM	Ε	0.82	E	0.02	E	7:30 AM	F	1.60	E	0.01	E		T				T
10	7.50 AW	Ħ	3,43	Ť	0,14	Ť	7.40 AW	Ť	0.02	F	0,02	۲	7.0071111	Ť	1.00		0,01	Ť		T		П		T
11		T		T		t		Т		Г		T		Г		T		Т		T		П		T
12		П		T		t		T		T		T		Г		T		T		T		Т		T
13		T		T		T		T				T								T				T
14	8:15 AM	F	2.45	E	0.06	E	5:20 PM	F	0.31	E	0.01	E	8:15 AM	F	0.62	Ε	0.00	E		T				T
15	0.107101	Ħ	2,10	Ť	0.00	Ť	0.20 1 14	Ť	0.07	Ť	0,01	Ť	0.1071111	Ē	0,02	Ī	0.00	1		T		Г		T
16		T		T		T		T												T		П		T
17		T		П		T		T		П		T		Г		T		Г		\dagger				Т
18		T		П		T		T		T		T		Г		T		T		t		Г		Г
19		T				T	Ì	T				T		Г						1				T
20		T				T		T		T		T		Г		T		T		T				T
21		T				T		T				t	1	Г				Т		T		Ī		T
22		T		T		T		T		T		T		T		T		T		T				T
23		T		T		Ť		T				T				1		T		T				T
24	1	T		T		T		T				T		T				T		T				T
25		T				t		T				T	1	T				T		T				T
26	4:15 PM	E	1.06	E	0.03	E		T						T						\dagger				T
27	3:20 AM	П	1.93	E	0.05	E		T				T		T		T		T		T				T
28	J.20 MIVI	۲	1.33	-	0.03	1		T		T				T		T		T		T				T
29		T				+		T						T				1		T				1
30		t		\vdash		†		T		t		T		T		1		t		T				T
31		†		+		+		t		t		t		t		t		t		†		1		t
Totals:	6	Da ye	13.89	1	0.41		2	De	1.13		0.02		4	Da		Ì	0.01	1	0	Da ya	15 -51		0.00	1



City:	City of Sc	uth	Bend										Page 9	9 of	11		- 1	erm	it Number:	: IN	0024520			_
acliity:	South Be	nd i	Municipa	l W	WTP									F	ublic Not	lfica	rtion Requ	lreπ	ents Met?	Υ				
Monitor	ing Perlod:		May		2024			ď	19 1	H			1 500		Chec	k b	ox If no C	so	discharge	e oc	curred fo	or th	e month:	
Design I	Peak Flow	(Ho	urty) (MGI) :	77		Design Fl	low	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) m	ust be spe	cifie	d	-0	He is	
		cs	O Outfall	No.	044			CS	O Outfall	No.	045			cs	O Outfall	No.	048			C	SO Outfall	No.	049	Į.
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M OF E	Event Discharge (MG)	M OF	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)	or E	Time Discharge Began	M of E	Event Duration (Hours)	MorE	Event Discharge (MG)	or
1	-3-	Ħ				T		T						Г				П		T		П		T
2		П				T		T						П				П		Т		П		Т
3		Ħ				T		T		Т		Г		Т				П		T				T
4		П				T		П					1:05 AM	E	6.04	E	0.31	E		T				T
5		П				T		T		Т		Г	1.00 1 1.11		0.01	-	0.01			T		П		T
6		Ħ		П		T		Г		Т				Г				П		T				Т
7						T							12:55 PM	E	6.41	E	0,33	E		T				T
8		П				T		T								Ī	-,,,,	Ī		T				T
9		П				T		Т		Т			7:30 AM	E	9.26	E	0.54	Ε		T		П		T
10						T		T		Т				Ī	0.00			Ī		T				T
11		П				T		T						П				П		T				Т
12		П				T	Ĭ	Г						Г		П		П		Т				Г
13		П				T		T				П		Г		П		П		T				Г
14							5:30 PM	М	1.58	м	0.48	E	8:15 AM	E	6.04	E	0.31	Ε		T				T
15		П				T		Г						Г		Г				Г				Г
16						П							7:20 PM	E	1.56	E	0.04	E		Г				
17		П																		П				
18		П				Т		Г												Γ				Г
19		П				T		Г				П		Г				П		П				Г
20						T		П					9:15 PM	Е	1.90	E	0.05	E		П				
21						T														П				
22								Г																
23								Γ												Π				Г
24																								
25		П				Γ		Г												Г				Γ
26						Т		Г					4:15 PM	Е	3.86	E	0.17	E		Г				
27							2:05 AM	М	1.83	м	0.61	E	3:20 AM		5.18	E	0.25	E						
28		П				Γ		Γ		Г			8:00 AM	т	1.04	E	0.03	Е						Γ
29		П				Т		Г					4:25 AM		1.04	E	0.03	Ε		П				Г
30						T		Г								Ĺ				Т				T
31																								
Totals:	0	Da _i			0.00		2	Da ys	3.42		1.09		10	Da ya	42.33		2.05	W.	0	Da ye		0	0.00	15



30

De ys 59.60

15

0.08

0

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

State Form 50546 (R3 / 7-13)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT Permit Number: IN0024520 Page 10 of 11 City of South Bend Facility: South Bend Municipal WWTP Public Notification Requirements Met? Y Check box if no CSO discharge occurred for the month: \square Monitoring Period: May 2024 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. Event Discharge (MG) Time Discharge Time Event Event Time Discharge Event Event Duration or E or Duration E (Hours) Duration OF E or E Discharge (MG) (Hours) (MG) (MG) Began Began (Hours) Began 1 2 3 4 1:10 AM E 1.35 0.00 5 2:20 AM E 0.00 Ε 0.00 6 1:50 PM E 1.35 E 0.00 8 9 10:20 AM E 8.29 0.01 10 11 4:35 AM 2.69 0,00 12 13 6:05 PM E 5.92 0.00 14 12:00 AM E 7.84 0.02 15 12:00 AM E 2.35 0.01 16 7:20 PM E 4.67 0.00 17 3.10 E 12:00 AM E 0.00 18 19 20 2.75 E 9:15 PM E 0.00 21 12:00 AM E 3.18 0.00 22 23 24 25 26 4:15 PM E 3.14 0.00 27 3:05 AM E 9,83 0.03 28 29 3:45 AM E 3.14 0.00

0.00



	: South Bend Municipal WWTP					
Monito	rand that the random water it agreemen				Public Notific	ation Requirements Met? Y
	ring Period: May Year:	2024			Check box if no	CSO discharge occurred for the month:
Design	Peak Hourly Flow (MGD):	77	Design Average Flow (MGD):	48		
Day of		SIVA			Section Exploration in	
Month	Comments (further explan	nation as	to why each CSO event occurred	d)		
1						
2	Description Francisco					
3	Precipitation Event Observed Precipitation Event Observed					
5	Precipitation Event Observed					
6	Tecipitation Event Observed					
7	Precipitation Event Observed					
8						
9	Precipitation Event Observed					
10						
11	Precipitation Event Observed					
12						
13	Precipitation Event Observed					
14	Precipitation Event Observed Precipitation Event Observed					
16	Precipitation Event Observed					
17	Precipitation Event Observed					
18	Trespitation Event Guotives					===
19						
20	Precipitation Event Observed					
21	Precipitation Event Observed					
22						
23						
24						
25 26	D : :: :: : : :					
27	Precipitation Event Observed					
28	Precipitation Event Observed					
29	Precipitation Event Observed					
30	Transpitation aron occurred					
31						
Typed	or Printed Name and Title of Prin	cipal Exe	cutive Officer or Authorized Agent			Telephone
Kim The	ompson , Director of Wastewater					574-235-5969
WITH A INQUIR SUBMI	SYSTEM DESIGNED TO ASSUR Y OF THE PERSONS WHO MAN, ITED IS, TO THE BEST OF MY K	RE THAT (AGE THE NOWLED	QUALIFIED PERSONNEL PROPERLY SYSTEM OR THOSE PERSONS DIR	GATHER AN ECTLY RESP , AND COMPI	DEVALUATE THE INFORMATIONSIBLE FOR GATHERING TELECOLOGICAL AM AWARE THAT T	THE INFORMATION; THE INFORMATION HERE ARE SIGNIFICANT PENALTIES FOR
Signatu	ure of Principal Executive Officer	or Autho	rized Agent	DAVID CR		Date (mm/dd/yy)
d	LThompin					(0-18-24

CSO Public Notification - May

Day of Month	Day of Week	Total Daily Precip. (inches)	CSO Discharge Volume (MG)	Notification Sent	Notes
	Wed	-20	127		
2	Thu	0.08	0.00	YES	Initial Notice Sent Due To Precipitation, But No Overflow Occurred
3	Fri	0.20	0.00	YES	<10,000 Gallons
4	Sat	0.50	0.80	YES	
5	Sun	0.25	0.25	YES	
6	Mon		728		
7.	Tue	0.54	0.92	YES	
8	Wed	120			
9	Thu	0.77	4.26	YES	
10	Fri	0.01	0.00		
11	Sat	0.20	0.17	YES	
12	Sun	18	1.57		
13	Mon	0.60	3.14	YES	
14	Tue	0.80	7.92	YES	
15	Wed	0.06	0.35	YES	Overflow from the 14th continued into the 15th.
16	Tliu	0.45	2.34	YES	
17	Fri	0.01	0.15		Overflow from the 16th continued into the 17th.
18	Sat				
19	Sun	-	-		
20	Mon	0.39	0.90	YES	
21	Tue	0.01	0.08		Overflow from the 20th continued into the 21st.
22	Wed		-		
23	Thu		-		
24	Fri	0.03	0.00		
25	Sat	ĕ			
26	Sun	0.36	0.47	YES	
27	Mon	0.85	11.96	YES	
28	Tuc	0.36	0.03	YES	
29	Wed	0.37	0.99	YES	
30	Thu				
31	Fri		2		

Notes

Average Daily Flow Average value of 5-min WWTP flow data

Peak Hourly Flow
Time Precipitation Began
Precipitation Duration
Total Daily Precipitation

Maximum value of the rolling hourly average flow rate
First precipitation recorded between the six rain gauges
Cumulative duration of all precipitation for the day
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

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 sensor at CSO 037 was not working properly during a portion of May. The Matrix of Storms was used to calculate overflows during this 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.

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



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

City:	City of So	outh Bend	DEPARTMENT			THE TOTAL STREET				Page	1 of	11	7	F	em	nit Number:	INC	0024520	
Facility:	South Be	nd Munic	ipal WWTP									1.000	tific	ation Requ					<u> </u>
Monitor	Ing Perloc	i: Jui	ne	2024							Ch	eck box	fnc	CSO disch	arg	e occurred	for	the month:	
Design I	Peak Hou	rly Flow (I	MGD):	77	Design Av	erage Flow	(MGD):	48		Measured	/Met	tered (M)	or E	stimated (E) m	ust be spec	cified	d	
WWTF	Influent	Data		Pr	ecipitation D	ata	wii		c	SO Outfall	No.	001	U	1 6/1	С	SO Outfall	No.	002	70
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)	Measureme nt Interval (hr, 30 m, 15 m)	Time Discharge Began	M or E	Event Duration (Hours)	MorE	Event Discharg e (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	Mori
1	31.0	36.7	2:55 PM	3.42	0.16	0.06	1 hr		İ		T		T				П		İ
2	30.6	34.1	12:55 AM	1,25	0.04	0.03	1 hr				T				Г				T
3	31.2	35.6			-5						Т		T				П		T
4	31.0	34,4			24						T						П		Т
5	31.0	36,3	1:25 AM	1,58	0.14	0.10	1 hr				T				П		П		Т
6	30.2	33,4									T						П		Т
7	30.6	37.2									Т						П		Т
В	30.0	40.5	5:55 PM	1,25	0.12	0,12	1 hr				T		Т		Г		П		Т
9	30.0	42.2																	
10	29,3	32,6															П		
11	29.9	36,7									T		Г				П		Т
12	29.8	34,5			- 44						T						П		Г
13	40.0	B1.2	5:15 PM	2.08	1.29	0.91	1 hr	7:20 PM	E	1,63	E	0.16	E	7:20 PM	E	1,42	E	0.01	E
14	32.8	66.3																	
15	29.6	32.8															П		
16	29.5	33.1	9:40 PM	0.75	0.17	0.17	1 hr										П		Г
17	32.4	41,9	12:55 AM	1_33	0.46	0.42	1 hr										П		
18	30,1	33,6	10:55 AM	0_33	0,03	0.03	1 hr										П		Г
19	29.8	33,1									П						П		
20	31,2	44.4	3:45 PM	1,25	0.71	0.65	1 hr	12:45 AM	Ε	1,40	E	0.12	E	12:45 AM	E	0,97	E	0,00	E
21	31.6	42.2	2:25 AM	0.08	- 20	0.01	1 hr										П		
22	29.1	32,4			2						Г								
23	44.9	82.4	1:55 AM	5.50	1,12	0.76	1 hr	3:55 AM	Е	2,60	Ε	0,41	Ε	3:55 AM	Ε	4_05	E	0.23	E
24	29.8	32.6	3:00 AM	0.25	0.03	0.01	1 hr		П		Т						П		
25	44.8	83.3	9:15 AM	2.33	1,29	1.09	1 hr	11:15 AM	Е	2,62	E	0,42	Ε	11:15 AM	Е	4,11	E	0.24	E
26	32.7	36.4	7:55 AM	0.08	0.01	0.01	1 hr										П		
27	30.5	33.6									Γ						П		
28	30.5	37.9	1:35 PM	2,92	0,37	0,26	1 hr	3:35 PM	Е	0.48	E	0.02	Е				П		
29	38.9	73.4	1:15 AM	1.33	0,26	0.22	1 hr				П						П		
30	29.0	32.4	2:30 AM	0,08	0.04	0,04	1 hr				Г								
Totals:	962.0			25,83	6.24		(iligip)	5	Da ya	8.73		1.13		4	Da ys	10.55		0.49	
Typed or	Printed I	Name and	Title of Prin	cipal Exec	utive Officer	or Author	ized Agent			, and				Telephone					100
I CERTIF WITH A INQUIRY SUBMIT	Y UNDER SYSTEM (OF THE I TED IS, TO	PENALT DESIGNED PERSONS O THE BE	Vastewaler Y OF LAW T O TO ASSUR S WHO MANA ST OF MY K MATION, ING	RE THAT Q AGE THE S NOWLEDO	UALIFIED PI SYSTEM OR SE AND BEL	ERSONNEI THOSE PE IEF, TRUE,	PROPERL RSONS DIF ACCURATI	Y GATHER RECTLY RE E, AND COI	ANI SPC MPL	D EVALUA DNSIBLE F .ETE. AN	TE 1 OR (THE INFO GATHERI VARE TH	RM/ NG	ATION SUB THE INFOR THERE ARE	MIT MA	TED. BASE TION; THE	N AC ED O INFO	ON MY ORMATION	restri
Signatur	e of Princ	ipal Exec	utive Officer	or Author	ized Agent				40					Date (mm/	_	~	2	100 a	
	K.	IN	DONNE	2/-										7-2	م)۔	-24			



Day of Dis	g Period: ak Flow (Hou CS0	June	D):	WTP 2024 77			10	0-1					F	ublic No	tifica	ation Requ	iren	nents Met?	Υ			1 4	
Day of Dis E	Time	Hou CSC M or	ırly) (MGI	-			27 P		0.00	362														_
Day of Month 1 2 3 4 5 6 6 7 8 9 10 11 1	Time Discharge	M or	-	-	77						1500			Ŋ	Che	ck b	ox if no C	SO	discharge	OC	curred f	or th	e month:	: 🗆
Day of Dis Month Dis Month Dis North	Time Discharge	M	O Outfall	No			Design Fl	ow	(MGD):		48		Measured/	Met	ered (M) d	or E	stimated (E) m	ust be spec	ifie	d			Jį.
Day of Dis Month Dis Month Dis North	ischarge	or			003	B		cs	O Outfall	No.	004		ji Yi	CS	O Outfall	No.	006	퇤		cs	O Outfall	No.	007	
2 3 4 5 6 7 8 9 10		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)	Mor	Time Discharge Began	M	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	MorE	Event Discharge (MG)	M
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		П		Г		П		П								Г				Н		Н		†
12		П		Г		П		П		Г		T		П				Т		Н				†
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13 7:	7:10 PM	М	2.00	м	3.72	E		П				Г	5:50 PM	М	4.42	м	5,12	E	7:20 PM	F	3.05	E	0.02	E
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16		П		Г		Ħ		П				T		П				Т		Н		Т		t
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18		П		Г		П		П		П		t										-		✝
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23 4	4:05 AM	E	0.31	E	0.00	E		П					2:20 AM	M	3.83	м	3.24	E	4.05 AM	F	3.27	E	0.02	E
24	AIVI	Ħ	0.01		0.00	Ħ		П		П		T	Z.ZU AIVI	IVI	3.03	IVI	3,24	-	4.03 AM	-	3,21	_	0.02	-
25 10	0:05 AM	M	2.75	м	6.03	E	11:20 AM	F	0.76	E	0.01	E	9:35 AM	NA	4.42	м	6.64	E	11:20 AM		4.11	E	0.05	E
26	J.OJ AW	**	4.13	IVI	0.03	Ħ	11.20 AN	٦	0.10	٢	0.01		3.33 AIVI	IVI	4.42	IVI	0.04	-	11.ZU AIVI	-	4/11	-	0.05	忄
21		H				Н		Н		Т		\vdash	-			Н				Н				+
28		H	-			H		H		\vdash		\vdash	11:45 PM	M	0.25	N4	0.02	-		Н				+
29		H				H		Н		Г					0.25	M	0.03	E		Н				+
30		H				H		Н				\vdash	12:00 AM	IVI	1.00	М	0.09	=		Н				+
		Н		H		Н		Н		H		1		Н	_	\vdash		\vdash	-	Н	—	\vdash		+-
Totals:					1	11 1													II .	an e			1	



City:	City of So	uth	Bend									_	Page 3	of	11		Р	етп	nit Number:	IN	0024520			_
acility:	South Ber	nd N	/lunicipa	ıw	WTP									Pı	iblic Noti	fica	tion Requi	ren	nents Met?	Υ	£4.5			
Aonitor	ing Period:		June		2024				100				17-00		Chec	k b	ox if no C	sc	discharge	e oc	curred 1	or th	e month	: C
Design	Peak Flow	Hou	rly) (MGI	D):	77		Design Fi	ow	(MGD):	M	48		Measured/	Met	ered (M)	ог Е	Estimated (E) I	must be sp	ecifi	ed			
		csc	Outfall I	No.	800			cs	Outfall	No.	010			CS	Outfall	No.	11A	B		C	SO Outfal	l No.	11B	
Day of Month	Time Discharge Began	M	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	Mor	Event Duration (Hours)	Mor	Event Discharge (MG)	M or E	Time Discharge Begen	M	Event Duration (Hours)	M	Event Discharge (MG)	M	Time Discharge Began	M	Event Duration (Hours)	M or E	Everat Discharge (MG)	e o
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2	5:10 PM	E	1,31	E	0.00	E		Н						H		H		H		H				t
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9	11:05 PM		0.92	E	0.00	E	-	-				H		H		-		-		1		-		+
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13	7:20 PM	П	4.67	Е	0_07	E		E	4,67	E	0.14	E		H		-		H	7:20 PM	$\overline{}$	4,67	E	0.99	ᄩ
14	12:00 AM	E	6.96	Е	0,11	E	12:00 AM	E	1.76	E	0.05	E		H		H		⊢	12:00 AM	E	1.21	E	0.26	E
15		Н		Н		╀		_		L		L		L		-	-	┞		₽				+
16	12:40 AM	E	1.75	E	0.00	E	12:40 AM	E	0.00	E	0.00	E		L		┞		L	12:40 AM	E	0_00	E	0.00	E
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19		Ц		Ц		\perp				L		L		L		-		L		L		-	-	+
20	6:00 PM	E	0.22	Ε	0.00	E		_		L		L		L		_		L		_		_		+
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23	4:05 AM	E	11.77	E	0.18	E	4:05 AM	E	6,55	E	0.20	E		L		-		L	4:05 AM	E	5.98	E	1.29	E
24				Ц		L						L		L				L						1
25	11:20 AM	E	12.67	E	0.22	E	11:20 AM	Ε	8_00	E	0.27	E							11:20 AM	E	7.39	E	1.72	E
26	12:00 AM	E	0.50	E	0.01	E								L										1
27														L				L						1
28	4:45 PM	Ε	3.23	Е	0.02	E	4:45 PM	Ε	1.48	E	0.02	E							4:45 PM	E	1.26	E	0.06	E
29	3:35 AM	E	3.02	Е	0.02	E	3:35 AM	E	1.27	E	0.01	E							3:35 AM	E	1.08	E	0.05	E
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																								I
otals:	12	Da ys	47.19		0.63	T	7	Da ys	23.73		0.70		0	Da ya			0.00	Г	7	Da ys			4.37	T



City:	City of So	uth	Bend										Page 4	of	11		ı	Репт	nit Number:	IN	0024520			
acility	South Be	nd f	Municipa	ıl W	WTP									P	ublic Not	ifica	ition Requ	iren	nents Met?	Y	360			
Monitor	ing Period:		June		2024			ĸ.		AUS					Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month	. [
Design	Peak Flow	(Hou	urly) (MGI	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) m	ust be spe	cifie	ed	N.	186	
		cs	O Outfall	No.	014			cs	O Outfall	No.	018	OU.		cs	O Outfall	No.	019	Ji		C	SO Outfal	No.	021	[
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	Mor	Time Discharge Began	More	Event Duration (Hours)	M or E	Event Discharge (MG)	Mor	Time Discharge Began	M or E	Event Duration (Hours)	Mor	Event Discharge (MG)	Mor	Time Discharge Began	Mor	Event Duration (Hours)	Ma or E	Event Discharge (MG)	M or
1	Dogan	Ť	(nodis)	_	(Me)	۲	Degan	F	(riodis)	Ì	(inc)		Dogan		(riouis)		(MIO)	Ė	Lagaii	Ī	(modis)	-	(in O)	-
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13	7:20 PM	E	1,80	E	0.07	E	7:20 PM	_	4.67	E	0.37	E	7:20 PM	_	2,23	E	0,13	E	7:20 PM	Ŀ	1.25	E	0.01	E
14	7.20 F W	۲	1.00	-	0.01	✝	12:00 AM		2.42	E	0.19	E	7.20 FIVI	۴	2,23	F	0,13	۴	7.20 FIVI	-	1.23	┢	0.01	۴
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17		H		H		t				Н			3:00 AM	Ē	0.63	E	0.01	E		t		T		t
18													3.00 AIVI		0.03	-	0.01	-		Н				٢
19		H		Н		t		П				Н		H		H		T		t		t		t
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22		П		T		T		Г					i	Г		T		T				1		T
23	4:05 AM	F	1.86	E	0.07	E	4:05 AM	F	7.13	E	0.59	E	4:15 AM	F	1.66	E	0.04	E	4:15 AM	E	0.49	E	0.00	E
24	TION AIVI	-	1,00	-	0.07	+	4.05 AIVI	-	1,13	-	0.33	-	4.13 AIVI	-	1.00	-	0,04	-	4,13 AM	٥	0.49	15	0.00	1
25	11:20 AM	E	2.24	E	0.11	E	11:20 AM	E	7.78	E	0.81	E	11:35 AM	E	1.99	E	0.08	E	11:35 AM	E	0.82	E	0.00	E
26	11.ZU AIVI	-	2,24	-	Uitt	+	11.20 AIVI	-	1.10	-	0.01	_	11.33 AN	٢	1.33	-	0.08	-	11.33 AW	=	0.62	F	0.00	1
27		\vdash		\vdash		t		H		\vdash			1	H		\vdash	i -	H		H		1		+
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otala:	3	ys.	5.90		0.25		4	ys	22.00		1.98		4	уѕ	6.51		0.26		3	ув	2.56		0.02	



City:	City of Sc	uth	Bend										Page :	5 of	11		F	ern	nit Number:	IN	0024520	_		-
acillty	:South Be	nd i	Municipa	ıl W	WTP									F	ublic Not	ifica	ation Requ	iren	nents Met?	Y	> 188	17	-	
Aonitor	ing Period:		June	14)	2024						- 50	38		0	Chec	k b	ox if no C	so	discharge	OC	curred fo	or th	e month:	
Design	Peak Flow	(Ho	urly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M) c	r E	stimated (I	E) n	ust be spec	ifie	d			
		cs	O Outfall	No.	022		N 100	cs	O Outfall	No.	025			cs	O Outfall	No.	026			C	O Outfall	No.	027	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Discharge	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)	Mor	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M
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2				П		T						Г												
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11		Г				T																		
12								Г																
13	7:20 PM	Ε	4.67	E	0.62	E													7:25 PM	Ε	0.18	E	0.01	E
14	12:00 AM	E	14.53	E	1.94	E																		
15								L																
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17	3:00 AM	E	6.09	E	0_36	E								L										L
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23	2:30 AM	М	2.42	М	0.62	E		L					-	1		L		L	4:05 AM	E	1.61	E	0.11	E
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Totals:	5	Da ys	30.29		4.89	1	0	y8			0.00		0	75			0.00		3	ys	4.16		0.39	



City:	City of Sc	outh	Bend										Page 6	of	11		4.1	em	nit Number.	IN	0024520			
acility:	South Be	nd l	Municipa	ıl W	WTP									P	ublic Not	tifica	ation Requ	iren	nents Met?	Υ				
Monitor	ing Period:		June	Ö,	2024		0.070		Y sin		2,46	-			Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month	: C
Design	Peak Flow	(Hou	ırly) (MG	D):	77		Design Fi	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) n	ust be spe	cifie	d	Ш		
M	0 11	cs	O Outfall	No.	028			cs	O Outfall	No.	029			cs	O Outfall	No.	031			C	SO Outfall	No.	033	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	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	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	e M
1						П												Г		T		П		T
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12																								
13	7:20 PM	Е	0.94	E	0.00	E	7:20 PM	Ε	2,38	Ε	0.05	E	7:20 PM	E	4.67	Ε	0,64	E	7:20 PM	E	4.67	Ε	0.02	E
14													12:00 AM	E	4.52	E	0.62	E	12:00 AM	E	4.19	E	0.02	E
15						L							1											
16							12:40 AM	E	0.00	E	0,00	E	12:40 AM	E	0.00	E	0.00	E	12:40 AM	E	0.00	E	0.00	E
17																								
18		Ш														L						L		
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20																								
21		Ц				L										L				L		L		
22		Ц				L								L						┖		L		L
23	4:05 AM	E	1.01	E	0.00	E	4:05 AM	E	2.40	E	0.05	E	4:05 AM	E	9.47	E	1.30	E	4:05 AM	E	9.06	E	0.04	E
24																								
25	11:20 AM	E	1,55	Ε	0.02	E	11:20 AM	E	3.09	E	0.06	E	11:20 AM	E	11,03	E	1.67	E	11:20 AM	E	10.62	E	0.05	E
26		Ш				L								L										
27		Ш																						
28							4 45 PM	E	0.36	E	0.00	E	4:45 PM	E	1.84	E	0.08	E	4.45 PM	E	0.85	E	0.00	E
29						L	3:35 AM	E	0.31	E	0.00	E	3:35 AM	E	1.58	E	0.07	E	3:35 AM	E	0.73	E	0.00	E
30						L		L						L										
14.						L																		
otals:	3	Da ys	3.50		0.02		6	Da ys	8.54	18	0.16	K	7	Da ys	33.11		4.37		7	Da ys	30.12		0.13	1



City:	City of Sc	uth	Bend										Page 7	of	11		i i	ern	nit Number:	iN	0024520			_
acility	South Be	nd l	/lunicipa	ıl W	WTP									P	ublic Not	ifica	ation Requ	iren	nents Met?	Υ				
lonitor	ing Period:		June		2024			Ž.						10	Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month:	
Design	Peak Flow	(Hou	ırly) (MGI	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M) o	or E	stimated (E) m	ust be spec	cifie	ed			
		cs	O Outfall	No.	035	Į,		cs	O Outfall	No.	036	B	34 15	cs	O Outfall	No.	037			C	SO Outfall	No.	038	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M of E	Event Discharge (MG)	M	Time Discherge Begen	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	Mor	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	e M or l
1	5:10 PM		0.25	F	0.00	F	D-guit	Ē	(Modis)	F	(m-1			Ē				Ħ		T		Г		T
2	5, TO PIVI	F	0.20	C	0.00	۴		Н		Н								Н		t				T
3		Н		Н		H		Н		1			1	Т		H		T				П		T
4		Н		Н		H		Н						Н		H		\vdash		T				T
5		Н				t		Н								H		H		t				T
6		H		-		H		H		-						1		\vdash		1				+
7				Н		t		H		-		\vdash	-	H		\vdash		\vdash		+				+
8	44.05.5		0.04	-	0.00	t		H		-		\vdash	1	H		1		+		+				+
9	11:05 PM	E	0.21	E	0.00	E		H		-		\vdash	1	-		1				+		H		+
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12		H		H		╁		Н		Н		H	-	H	-	╁		╁	-	╁		Н		╁
13		H				H		H					1					-		╁		-		\vdash
14	7:20 PM		4.67	E	0.08	E	7:20 PM	E	3.31	Ε	0,02	E	6:15 PM	M	1.00	М	0.46	E		╁				H
15	12:00 AM	E	7,30	E	0.13	E		H		-		\vdash		H		╁		\vdash		H	-	H		H
16	-	H		Н		+		Н		-		\vdash	-	H	-	\vdash		\vdash		╁		Н		+
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17		H		H		╁		H						Н		H	-	H	-	╁				+
18		┝		H		+		H						H		H		H		H				+
19		\vdash		H		+	-	H		H		┝	-	H		Н		⊢		╁			-	+
20	6:00 PM	E	0.04	E	0.00	E		H		H	_	⊢	-	H	-	\vdash		H	-	╁		-		+
21		H				+	.	H		-		H	-	H	_	-		\vdash		╁		-		+
22	-	\vdash				+		H		-		\vdash				\vdash		\vdash		-		-		+
23	4:05 AM	Ε	12.19	Ε	0.22	E	4:05 AM	E	3.36	E	0.02	E	2:25 AM	М	2.25	М	0,95	E		+		-		+
24		\vdash				+		H		\vdash		\vdash	-	H		-	-	\vdash	ļ	+		-		+
25	11:20 AM	T	12.67	E	0.25	E	11:20 AM	E	3.85	E	0.03	E	9:40 AM	M	2.33	M	7.64	E		+		-		+
26	12:00 AM	E	1.20	E	0.02	E		H		-		\vdash	-	H		H		-		+		-		+
27		1				+		H		-		\vdash	-	H		+		\vdash		+	-	-		+
28	4:45 PM	E	3.03	E	0.02	E	ļ	H				1	ļ	H		-		-		+		-		+
29	3:35 AM	E	2.64	E	0.02	E	-	L		-		L	-	L		-	-	-	ļ	+	-	-		+
30		L				1		L		1		L	-	L		-		-		1	-	-		+
		L				L		1		L			_			-	-	-		10				-
Totals:	11	Da ys	44.53		0.75		3	De ys	10.52		0.07		3	Da ys			9.05		0	De ys			0.00	



City:	City of Sc	outh	Bend										Page 8	3 of	11		- 1	em	nit Number:	: IN	0024520			
acility:	South Be	nd !	/lunicipa	ıl W	WTP									P	ublic Not	ifica	ation Requ	iren	nents Met?	Υ		w.		
Monitor	ring Period:	ž,	June		2024				55°.	7/	10/1	Ī,			Chec	k b	ox if no C	so	discharge	9 00	curred fo	or th	e month:	
Design	Peak Flow	(Ηοι	ırly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) n	ust be spe	cifie	d			
	V-XIII	cs	O Outfall	No.	039			cs	O Outfall	No.	040	Ĭ	sin	cs	O Outfall	No.	041			C	SO Outfall	No.	042	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	Mor	Time Discharge Began	M or	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M
1		П		Π		Г		П				Г								Т				Т
2																								Г
3						Ι,																		Γ
4																								Г
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8						L																		
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10																								
11		Ш				L																		
12		Ш				L		L																
13	7:20 PM	E	4.67	E	0.25	E	7:25 PM	E	0.20	E	0.00	E	7:20 PM	E	2.52	E	0.03	E						
14	12:00 AM	E	0.36	E	0.02	E																		L
15		Ц				L								L				L		_				L
16		Ц				L		L						L		L								L
17	3:00 AM	Е	2.03	Ε	0.05	Ε																		
19												Г		Г						T				
20		П		П				Г		П				Г		Г				T				T
21		П		П		T		Г				Г		Г		П		Г		T		П		T
22		П				Г		Г				Г		Г				Τ		T				Т
23	4:15 AM	E	3.40	E	0.14	E	4:05 AM	E	1.72	E	0.04	E	4.15 AM	E	1.56	E	0.01	E						
24						П		Γ						Г						T				Г
25	11:35 AM	E	4.20	E	0.20	E	11:20 AM	E	2.33	E	0.10	Ē	11:35 AM	E	2,10	E	0.02	E				Г		Т
26								Ĺ		Í		Ĺ		Ť		Ĺ		Ī		T				T
27														Γ										
28								Γ						Г		Γ				T		П		T
29		П				Г														T				T
30						F																		I
otals:	5	Da ys.	14.66		0.66	-	3	Da ys	4.25		0.14		3	Da ys	6.18		0.06		0	Da ys			0.00	+



City:	City of Sc	outh	Bend					_					Page	of	11			Perm	nit Number.	IN	0024520	_		_
acility	:South Be	nd I	Municipa	I W	WTP							_		F	ublic Not	ifica	ation Requ	uiren	nents Met?	Υ		78	AT I	
onito	ring Period:		June		2024					l,	× 1				Chec	k b	ox if no C	cso	discharge	oc	curred fo	r th	e month:	. [
Design	Peak Flow	(Ho	urly) (MG	D):	77		Design F	low	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) m	ust be spe	cifie	d	М		Ui
	II ME	cs	O Outfall	No.	044	IV		CS	O Outfall	No.	045	lie.	4.00	cs	O Outfall	No.	048			C	SO Outfall	No.	049	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M of E	Event Discharge (MG)	More	Time Discharge Began	Mor	Event Duration (Hours)	Mor	Event Discharge (MG)	Mor	Time Discharge Began	M	Event Duration (Hours)	M or E	Event Discharge (MG)	M of E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	e M
1						Г								Г									1	T
2		П				T		Г		Г		Г		П		Г		T						t
3		П										Г		П						T				T
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6		П						П		П		Г		Г		П				T				T
6		П																						T
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8		П											11:05 PM	Е	0.00	Е	0.00	E						T
9		П				П		Г		П														T
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11																								T
12																								T
13		П					7:00 PM	М	2,58	м	1,22	E	7:20 PM	E	4.67	E	0.30	E						T
14													12:00 AM		9.46	Е	0,61	E		Г				T
15																				Г				T
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18														П						Γ				Т
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23							3:30 AM	М	2,42	м	1.00	E	4:15 AM	Ē	9,13	E	0.53	Е						
24																								
25							10:25 AM	М	2.92	м	1.81	Œ	11:35 AM	Е	11,69	Е	0.72	Ε						T
26											0													
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29													3:15 AM	E	1.56	E	0.04	Е						T
30																								
otals:	0	Da yu	10 F	III'	0.00		3	Da ys	7.92		4.03		7	Da ys	41.84		2.46		0	Da ys			0.00	



City:	City of So	uth	Bend										Page 10	of	11	_	Р	епт	it Number:	INC	024520			_
acility	South Be	nd N	/unicipa	l W	WTP									Р	ublic Noti	fica	tion Requ	iren	ents Met?	Υ			12 E	
onitor	ing Period:		June		2024				-81,3				5 3		Check	k be	ox if no C	so	discharge	ОС	curred fo	r the	month:	
esign	Peak Flow	(Hou	ırly) (MGI	D):	77		Design Fl	ow	(MGD):		48		Measured/	Mete	ered (M) o	r Es	stimated (E	£) m	ust be spec	ifie	d		1	
DUM		cs	O Outfall	No.	060			cs	O Outfall	No.			N	cs	O Outfall I	No.	[#]			CS	O Outfall	No.	[#]	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M of	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)	Mor	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)		Event Discharge (MG)	M
1		Ī				Г		Г												Г				Г
2		П				T		Г		Т				T				П						
3		\Box				T		Т																Г
4		П				T		T		Г		Г				П				Г		П		Г
5		П				T		Г		Т				Г										Т
6		П				T														Г		Г		
7						T																		
8		П				T		T				Г								Г				
9		П				T																		
10		П				T		Г												Г				Т
11						T		Г						Т						Γ				Г
12		П				T		Г		Г				Г		П		Г		Г		Г		Г
13	7:20 PM	E	4.67	E	0.01	E		Г		Г		Г		Г		П								
14	12:00 AM		4.67	E	0.01	E		П						Г						Г				
15						T		П						П						Г				
16	12:40 AM	E	0.00	E	0.00	E		Г																
17						Т		Г		Г										Г				
18		Г				T		Г																
19						T		Г																
20				Г		T				Π				Г										
21		Г				Г		Γ																
22																								
23	4:05 AM	E	9.42	E	0.03	E																		
24						T														Γ				
25	11:20 AM	E	10.72	E	0.04	E		T																
26		Π						T																
27				Г		T														T				
28	4:45 PM	E	3.14	E	0.00	E								T										
29	3:35 AM		2.69	E	0.00	E		T												T				
30	U.GO PAN	Ť	2,00	Ī	5,00	1		T		T		T	1							T				
TAN		T				1		T																
Totals:	7	Da	35.31	T	0.09	İ	0	Du ye	1889		0.00	1	0	De ys	101,181		0.00		0	Di			0.00	T



					R -	
City:	City of South Bend				Page: 11 of 11	Permit Number: IN0024520
Facility:	South Bend Municipal WWTP				Public Notific	ation Requirements Met? Y
Monitor	ing Perlod: June Year:	2024			Check box if no	CSO discharge occurred for the month:
Design I	Peak Hourly Flow (MGD):	77	Design Average Flow (MGD):	48		
Day of Month	Comments (further explan-	ation as	to why each CSO event occurred			
1	Precipitation Event Observed					
2						
3						
5						
6		_				
7						
8	Precipitation Event Observed					
9	Precipitation Event Observed					
10						
11						
12						
13	Precipitation Event Observed					
14	Precipitation Event Observed					
16	Precipitation Event Observed					
17	Precipitation Event Observed					
18	Temphanon Event Observed					
19						
20	Precipitation Event Observed					
21						
22						
23	Precipitation Event Observed					
24						
25 26	Precipitation Event Observed Precipitation Event Observed					
26	Precipitation Event Observed					
28	Precipitation Event Observed					
29	Precipitation Event Observed					
30						
Typed o	r Printed Name and Title of Prince	cipal Exe	cutive Officer or Authorized Agent			Telephone
Kim Tho	mpson , Director of Wastewater		· · · · · · · · · · · · · · · · · · ·			574-235-5969
WITH A INQUIRY SUBMIT	SYSTEM DESIGNED TO ASSURI OF THE PERSONS WHO MANA TED IS, TO THE BEST OF MY KN	E THAT (GE THE NOWLED	QUALIFIED PERSONNEL PROPERLY SYSTEM OR THOSE PERSONS DIRE	GATHER AN ECTLY RESP AND COMPL	D EVALUATE THE INFORMATION ON SIBLE FOR GATHERING LETE. I AM AWARE THAT TO	THE INFORMATION; THE INFORMATION THERE ARE SIGNIFICANT PENALTIES FOR
Signatu	e of Principal Executive Officer	or Autho	rized Agent			Date (mm/dd/yy)
8	Monon					7-26-24

CSO Public Notification - June

Day of Month	Day of Week	Total Daily Precip. (inches)	Total Daily CSO Discharge Volume (MG)	Notification Sent	Notes
CELL STREET	Sat	0,16	0.00	YES	<10,000 Gallons
2	Sun	0.04	0.00	YES	Notification Sent Due To Precipitation, But No Overflows
3	Mon	8			
4	Tue	-	-		
5	Wed	0.14	0.00	YES	Notification Sent Due To Precipitation, But No Overflows
6	Thu	` ≅	-		*
7	Fri	2	2		
8	Sat	0.12	0.00	YES	<10,000 Gallons
9	Sun	*			
10	Mon	2			
11	Tue		- 5		
12	Wed				
13	Thu	1.29	14.54	YES	Overflow Continued Into The 14th.
14	Frì				
15	Sat		-		
16	Sun	0.17	0,00	YES	<10,000 Gallons
17	Mon	0.46	0.68	YES	
18	Tue	0.03	0.00		
19	Wed	.5.			
20	Thu	0.71	1.89	YES	
21	Fri	2	- 2		
22	Sat				
23	Sun	1.12	11.34	YES	
24	Mon	0.03	0.00		
25	Tue	1.29	30.84	YES	
26	Wed	0.01	0.03		Overflow Continued Into The 26th.
27	Thu		*		
28	Fri	0.37	0.25	YES	
29	Sat	0.26	0.30	YES	
30	Sun	0.04	0,00	YES	Notification Sent Due To Precipitation, But No Overflows

Average Daily Flow

Peak Hourly Flow

Precipitation Duration Total Daily Precipitation

Peak Intensity

Average value of 5-min WWTP flow data

Maximum value of the rolling hourly average flow rate Time Precipitation Began First precipitation recorded between the six rain gauges

Cumulative duration of all precipitation for the day Maximum value of precipitation for all the six rain gauges

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

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 sensors at CSO 003, 006 & 022 were not working during portions of this month. The Matrix of Storms was used to calculate the overflows during these periods.

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.

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



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 So	uth Bend								Page	1 of	11		Р	erm	it Number:	INC	024520	
Facility:	South Ber	nd Munici	pal WWTP								F	Public No	tific	ation Requi	rem	ents Met?	Υ		
Monitor	ing Period:	: Jul	y	2024			4 5	1111			Ch	eck box i	l no	CSO disch	arge	occurred	for 1	he month:	
Design	Peak Hourl	y Flow (M	/IGD):	77	Design Ave	rage Flow	(MGD):	48		Measured/	Wet	ered (M)	or E	stimated (E) mı	ıst be spec	Hie		le i
wwTi	P Influent			Pre	ecipitation D	ata	175, 1/1		C	SO Outfall	No.	001			С	SO Outfall	No.	002	100
Day of Month	Average Daily Flow (MGD)	Hourly Flow (MGD)	Precip. Began (am/pm)	Precip. Duration (Hours)	Total Dafly Prectp. (Inches)	Peak Intensity (Inch/hr)	nt Interval (hr, 30 m, 15 m)	Time Discharge Begen	M or E	Event Duration (Hours)	M or E	Event Discharg e (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E
1	30.3	35.0	11:20 PM	0.08	0.01	0.01	1 hr												
2	29.6	32,9	11:15 PM	0,08	0.01	0.01	1 hr												
3	29.7	32.8			594														
4	28.3	31.2			36														
5	29.2	34.4	9:40 AM	1.17	0.19	0,19	1 hr												
6	27.7	30.6																	
7	28.0	31.3	7:05 PM	0.67	0.21	0.21	1 hr												
8	31.7	52.6	9:25 AM	1.67	0.30	0.19	1 hr	4:50 PM	E	0.18	E	0.01	Е						
9	38.9	79.9	5:45 AM	6,75	1.77	1.05	1 hr	7:45 AM	E	4,41	E	0.86	Е	7:45 AM	Е	5,55	Е	0.62	E
10	65.0	82.2	12:00 AM	10,33	2,05	0.67	1 hr	2:00 AM	E	3.54	E	0.68	Е	2:00 AM	Е	5.24	Е	0,49	E
11	37.3	41.6	6:55 AM	0.25	0.04	0.04	1 hr												
12	35.8	40.7	7:00 AM	0.08	0.01	0.01	1 hr												
13	34.3	38.0																	
14	50.1	80.0	2:00 AM	5.08	1.05	0.58	1 hr	4:30 AM	E	1.53	E	0.14	E	4:30 AM	E	1.23	E	0.01	E
15	48.0	78.8	1:40 AM	2,83	0.61	0.43	1 hr	3:40 AM	Е	0.40	E	0.02	E						
16	39.2	52.6	12:10 AM	2.00	0.39	0.27	1 hr	2:10 AM	E	0.04	E	0.00	Ε						
17	35.4	39.9																	
18	33.8	37.8			+3														
19	33.2	36.4																	
20	32.1	35.6																	
21	32.0	36,1																	
22	32,1	35.2	6:15 PM	0.08	0.01	0.01	1 hr												
23	32.1	35.8																	
24	31.6	35.2	7:05 AM	0.33	0.10	0.09	1 hr												
25	30.9	33.9																	
26	30.9	34.8			25														
27	29.9	33.9																	
28	29.7	33,1									Г				Г				
29	31.3	38.9	1:05 PM	1.08	0,33	0.20	1 hr	3:15 PM	E	0.29	Ε	0,01	E		Г		Г		
30	29.7	34.6																	
31	29.4	33.1	12:20 PM	0.08	-2	0.01	1 hr		Ι.										
Totals:	1056.9			32.58	7.08			7	Da ye	10.39		1.73		3	Da ys	12.02		1.11	
		lame and	Title of Prin		utive Office	or Author	ized Agent		25	10.00	_	1.75	_	Telephone	_	12.02			_

Kim Thompson , Director of Wastewater 574-235-5969

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)
1 Thomas	8-16-24
UI -	•



City:	City of So	outh	Bend										Page 2	2 of	11		1000	Pem	nit Number:	IN	0024520			
Facility	: South Be	nd l	Municipa	al W	WTP										Public No	tific	ation Requ	iiren	nents Met?	Υ				
Monitor	ring Period	Ŕ	July		2024		77.5								Che	ck t	oox if no (cso	discharge	e 00	curred f	or th	e month:	: 🗆
Design	Peak Flow	(Ho	urly) (MG	D):	77		Design Fi	low	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (f	E) m	ust be spec	cifie	d		1000	V
		cs	O Outfalt	No.	003			cs	O Outfall	No.	004	ij		cs	O Outfall	No.	006	N.		C	SO Outfal	No.	007	03
Day of Month	Time Discharge Began	M or E	Event Duretion (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)	or E	Event Discharge (MG)	M or E	Time Discharge Began	M	Event Duration (Hours)	M or E	Event Discharge (MG)	Mori
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6		H				T		T		Г		Г		Т		Т		Т		T				T
7		Ħ				T		T				Т		\vdash		Г		Н		T		\vdash		1
8		Н		Г		H		t				Т		\vdash		Н		\vdash		1				T
9	2:25 PM	M	1.08	м	0.90	E		t					9:25 PM	N4	2.58	M	1.75	E	3:50 PM	-	2.26	E	0.01	E
10	12:00 AM	T	4.42	М	8,83	E	2:00 AM	E	2.12	E	0.04	E	12:00 AM		9.33	M	8.52	E	2:00 AM		5.21	E	0.12	E
11	12,00 AIV	IVI	4.42	IVI	0,00	۴	2.00 AW	٢	2.12	_	0.04	_	12.00 AIVI	IVI	9,33	IVI	0.52	Ė	2.00 AW	1	5.21	-	0,12	-
12				Н		H		t				Н		H		Т		\vdash		t				t
13		Н		Н		H		t		H		Н		Н		Н		Н		t				t
14	4:05 AM	54	2.00	М	1.29	E	4:30 AM	Ŀ	0.76	E	0.01	E	2:40 AM	1	4.00	M	3.59	E	4:30 AM	-	4,11	E	0.05	E
15	4.05 AIVI	IVI	2.00	IVI	1.29	۴	4.30 AIVI	-	0.76	٢	0.01	-		М	3.33	M	0.92	E	4:30 AIVI	-	4,11	-	0,05	-
16		Н		H		H		H					2.15 AIVI	IVI	3,33	IVI	0,92	-		t				1
17		Н				t		H		Н		H		H		Т		H		t				+
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29		H		H		+		+						-		-				-				-
30		H		-		-		-				H		-				-		+				+
31		H		-		H		H		-		-		H		-		-		+	_			+
31		De ys	7.50		11.02			Da Ys			0.05			Da	19.25	-	III V			Da ye	11.58			-



City:	City of So	uth	Bend										Page 3	of	11		Р	erm	it Number:	IN	0024520			
acility	South Be	nd i	Municipa	ı v	/WTP								0.5	Pu	ıblic Notif	lca	tion Requ	ren	nents Met?	Υ				
Monitor	ring Period:		July		2024					W.					Check	k b	ox if no C	so	discharge	00	curred f	or th	e month:	: C
Design	Peak Flow	(Hoı	urly) (MG	D):	77		Design Fl	low	(MGD):	Ě	48		Measured/	Met	ered (M)	or E	stimated	(E) 1	must be sp	ecif	led			
		cso	Outfall	No.	800	f _V		cs	O Outfall	No.	010	10		cso	Outfall I	No.	11A		MIN S	C	SO Outfal	No.	11B	13
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 & 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)	N O
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5	12:20 PM	E	0.00	E	0.00	E				T										T				1
6	12.20110	-	0.00	Ħ	0.00	T		T				T						T						1
7				T				1										T						1
8	4:50 PM	F	1.09	E	0.00	E						Г		Г						Т				t
9	3:50 PM		8.17	E	0.12	E	3:50 PM	E	6.02	E	0,17	E							3:50 PM	F	5.52	E	1,09	E
10	12:00 AM		17,42	E	0.35	F	2:00 AM	Т	10.41	E	0.37	E		П				Г	2:00 AM		9.74	E	2.39	E
11	12.00 AW	-	17,42	-	0.00	1	2.00 741	۲	10.41	-	0.01	-		Г				T	2.007111		3,14		2,00	Ť
12		П				t		T						Г				T						†
13						T		T				Г						T						+
14	4:30 AM	E	13.17	E	0.23	E	4:30 AM	E	8.00	E	0.27	E		Т				Т	4:30 AM	E	7:39	E	1.72	E
15	3 45 AM		8.22	E	0.08	E	3:45 AM	$\overline{}$	4.25	E	0.09	E		П				Т	3:45 AM		3.89	E	0.49	E
16	2:10 AM		1.31	E	0.00	E	3.43 AIVI	-	4.20	-	0.03	-							3.43 AW	-	5.03	1	0.43	+
17	2.10 AW		1,01	-	0.00	Ť						Г		Г				T		T		\vdash		t
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29	2,40 DN:	-	0.44	-	0.00	-		-		-						H	_	+		-				+
30	3:10 PM	E	0.44	E	0.00	E		-				-				-		-						+
31				-		+		+		-		-		H		-		+						+
Totals:	8	Da ys	49.82		0.78	t	4	Da	28.68		0.89		0	Da			0.00		4	Da ys	26.54		5.69	+



City:	City of So	outh	Bend										Page 4	of	11		F	em	nit Number:	IN	0024520			
Facility	South Be	nd l	Municipa	al W	WTP									P	ublic Not	ifica	ition Requ	iren	nents Met?	Y		i.		
Monitor	ing Period		July		2024		200 HIII				M		18 YO		Chec	k b	ox if no C	so	discharge	00	curred fo	or th	e month:	
Design	Peak Flow	(Hot	urly) (MG	D):	77		Design Fl	low	(MGD):	Į.	48		Measured/	Met	ered (M)	or E	stimated (E) n	ust be spe	clfie	d	M		
NO. IN		cs	O Outfall	No.	014		STORE .	CS	O Outfall	No.	018			cs	O Outfall	No.	019			C	SO Outfall	No.	021	
Day of Month	Time Discharge Began	M or	Event Duration (Hours)	M or E	Event Discharge (MG)	M	Time Discharge Begen	M or	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 Dischurge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M
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3				Т		T		T		Т				Т		Т		П		T				F
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8				H		t		H												Н		Н		
9	0.50 DM	-	4.50	E	0.06	E	2.50 DM	-	0.00	-	0.40	E	2,20 DM	-	2.04	E	0.00	E	2,20 DM	-	0.89	E	0,01	E
10	3:50 PM	\top	1,59	\vdash	0.06	$^{-}$	3:50 PM	П	6.96	E			3:30 PM		2.04	E	0,09	-	3:30 PM					
11	2:00 AM	-	2.81	E	0.19	E	2:00 AM	E	8.88	E	1.16	E	2:00 AM	E	4.02	E	0.26	E	2:00 AM	-	1,99	E	0.07	E
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13		Н		-		H		H			_	\vdash						\vdash						H
14		H		_		-		-		_	0.04	-		-	4.00	_	0.07	_		-	0.74	-		-
15	4:30 AM		2.24	E	0.11	E	4:30 AM	Т	7,78	E		E	4:35 AM		1.92	Ε_	0.07	E	4:35 AM	Т	0.71	E	0.00	E
16	3:45 AM	E	0.72	E	0.04	E	3:45 AM	E	4.74	E	0.17	E	3:45 AM	E	0.89	E	0.02	E	3:45 AM	E	0,08	E	0.00	Е
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18		\vdash		Н		H		H		Н				H		H		H		-		Н		┢
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29		\vdash		-		-		H				_								H				-
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31		Da	No.			-		Da				190		De			0.0			De				-
otals:	4	ys	7.36		0.40	15	4	ys	28.36		2.62		4	ys.	8.87	100	0.44		4	ys			80.0	



City:	City of Sc	outh	Bend										Page !	5 of	11			em	nit Number:	IN	0024520			_
acility	South Be	nd [Municipa	al W	WTP									P	ublic Not	ifica	tion Requ	Iren	nents Met?	Υ				
Monitor	ring Period:		July	Į.º	2024		V 3 "						08		Chec	k b	ox If no C	so	discharge	oc	curred fo	or th	e month:	
Design	Peak Flow	(Ho	urly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M) c	or Es	stimated (E) m	ust be spe	cifie	d			
		cs	O Outfall	No.	022	Ð		cs	O Outfall	No.	025		MEN'S	cs	O Outfall	No.	026		May P	C	SO Outfal	No.	027	ı
Day of	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Begen	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	Mor	Event Duration (Hours)		Event Discharge (MG)	ar
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6		Н		Т		T		П				П		T		Т				T		Т		t
7		П				t								T						T		\vdash		T
8		Н		Г		T		П						\vdash						\vdash				t
9	9:25 PM	M	2.58	м	2.30	E		Н		Н									3:40 PM	E	2.14	E	0.20	E
10	12:00 AM	П		М	8,37	E		П						1					2:00 AM		2,83	E	0.74	E
11	12.00 AW	IVI	12.52	101	0,07	۴								\vdash					2.00 AIVI	۲	2,00		W-2 T	-
12		Н		Н		t		П		П				T						T				\vdash
13		Н		Н		t		Н						-		-				t				t
14	2:50 AM	NA	4.17	м	2.69	E								\vdash					4:30 AM	E	1.65	E	0.11	E
15	2:15 AM		3,50	М	1.93	E													4.50 AIVI	-	1.05		0.11	1
16	12:40 AM		1,17	M	0,31	E		П		П				Т				Т		T		Т		t
17	12.40 740	101	13.17	<u> </u>	0,01	۲		Н						T				Т		T		\vdash		t
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29	7:40 DN4		0.32	1	0.07	-								1						1			<u> </u>	+
30	7:40 PM	IVI	0.33	М	0.07	E		H			-	-								+				1
31		H				+								-		-				-				+
Totals:	6	Da	24.67		15.67	t	0	Dai ys	× , = =		0.00		0	Da ys			0.00		3	De ys	6.62	000	1.06	-



City:	City of Sc	outh	Bend										Page	6 of	11		E L	em	nit Number:	IN	0024520			_
Facility	South Be	nd I	Municipa	al W	WTP									P	ublic No	tifica	ation Requ	irer	nents Met?	Υ				
Monitor	ing Period:	N.	July		2024						M		Territoria.		Chec	k b	ox if no C	so	discharge	00	curred fo	or th	e month	: 🗆
Design	Peak Flow	(Ho	urly) (MG	D):	77		Design Fl	ow	(MGD):	J.	48		Measured/	Met	ered (M)	or E	stimated (I	Е) п	nust be spe	ifle	d		BE	
		cs	O Outfall	No.	028			cs	O Outfall	No.	029	ij.		cs	O Outfall	No.	031			C	SO 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	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		MorE	Event Discharge (MG)	M
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2		П		Т		П		T				_						Г		T		Г		T
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9	3:50 PM	F	0.70	E	0,00	E	3:50 PM	F	2.33	E	0.04	E	3:50 PM	F	8.17	E	1.09	E	3:50 PM	F	8,17	E	0,03	F
10	2:00 AM		2,39	E	0.06	E	2:00 AM	$\overline{}$	4,29	E	0.09	E	12:00 AM		13,37	E	2.27	E	12:00 AM		13.10	E	0.08	E
11	2.00 AW	۲	2,03		0.00	٦	2.00 AW	-	4,23		0,03	_	12.00 AW		10.07		2.21	_	12.00 AN	-	15,10	-	0.00	-
12		H				Н		T		Н								Т						t
13		Н		H		Н		H		_				Н		Н				-				t
14	4:30 AM	E	1,55	Ε	0.02	E	4:30 AM	E	3.09	E	0.06	E	4:30 AM	E	11.03	E	1.67	E	4:30 AM	-	10.62	E	0.05	E
15	4.30 AW	۲	1,50		0.02	Ħ	3:45 AM	П	1.75	E		Е	3:45 AM		4.86	E	0.51	E	3:45 AM		4.94	E	0.01	E
16		H				Н	5.45 AW	Ė	127 0	-	0,01	-	3.43 AW	-	4,00	-	0.01	-	3.43 AW	-	4.04		0.01	+
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Totals:	3	Da ys	4.64		0.08		4	Dai ys	11.46		0.21	100	4	Da ys	37.43		5.54		4	On ys	36.83		0.18	



City:	City of Sc	uth	Bend						19-34-3. 11				Page 1	of	11		10, 51	Регп	nit Number.	INC	0024520			_
Facility:	South Be	nd l	Municipa	al W	WTP								t die V	P	ublic Not	ifica	ition Requ	iren	nents Met?	Υ	0.1		Dec.	
Monitor	ing Period:		July		2024										Chec	k b	ox if no C	so	discharge	ОС	curred fe	or th	e month:	
Design	Peak Flow	(Ho	urly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) m	ust be spec	ifle	d			
with		cs	O Outfall	No.	035	U		cs	O Outfall	No.	036			cs	O Outfall	No.	037			CS	O Outfal	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)	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)		Event Discharge (MG)	M or E
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2				Г		П		Г										П		Г				
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7		T		Г		T				T														Г
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9	3:50 PM		8.17	E	0.14	E	3:50 PM	F	3.12	E	0.02	E	3:40 PM	E	7.26	E	2.29	E						Т
10	12:00 AM	1	18.49	E	0.40	E	2:00 AM	Т	4.64	E	0.05	E	2:00 AM		10.80	E	5.16	E		Т		Т		T
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14	4:30 AM	E	13.87	E	0.27	E	4:30 AM	-	3.85	E	0.03	E	4:30 AM	F	6.01	E	1.65	E		T		H		T
15	3:45 AM		7.91	E	0.10	E	3:45 AM		1.86	E	0.03	E	3:45 AM	1	2.76	E	0.37	E		T				
16	2:10 AM		0.25	E	0.00	E	3.49 AIVI	-	1.00	-	0.01	-	2:10 AM	Т	0.31	E	0.04	E		Т				\vdash
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Totals:	8	ys			0.92		4	Da ys	13.47		0.10		5	ys	27.14		9.51		0	ys		1	0.00	1



City:	City of Sc	outh	Bend										Page	8 of	11			Pem	nit Number.	IN	0024520	_		_
Facility	South Be	nd	Municipa	al W	WTP									P	ublic Not	tifica	tion Requ	iren	nents Met?	Υ				1
Monitor	Ing Period:		July		2024				M.		711			H	Chec	k b	ox if no (so	discharge	9 00	curred fo	or th	e month:	
Design	Peak Flow	(Ho	urly) (MG	D):	77		Design F	low	(MGD):		48		Measured	Met	ered (M)	or E	stimated (E) m	rust be spe	cifie	d			
		cs	O Outfall	No.	039			CS	O Outfall	No.	040		T N.T	CS	O Outfall	No.	041			C	SO Outfall	No.	042	E
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M	Time Discharge Begen	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		M or E	Event Discharge (MG)	M or E
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2		H		Н		t		Н		H				H		H		t		t		F		H
3		H		H		t		T						\vdash				H		t				H
4		H		T		t		T						\vdash						t				\vdash
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10	2:00 AM	\Box	8.63	ε	0.49	E	2:00 AM	$\overline{}$	4.06	E	0.08	E	2:00 AM		2.20	E	0.02	E		H				H
11	2.00 AIVI	-	0.03	-	0.49	-	2.00 AW	-	4.06	C	0,20	_	2:00 AIVI	-	2.91	-	0.06	-		1				\vdash
12		Н				t		H		H		Н		H		Н		H		t				
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14	4:35 AM	Ę	3.92	E	0.18	E	4:30 AM	Ŀ	1.75	E	0.05	E	4:35 AM	-	1.94	E	0.02	E		t				H
15	3:45 AM		2,57	E	0.18	E	4.30 AW	-	1.75	-	0.05	-	3:45 AM		0.73	E	0.02	E		t				\vdash
16	3.43 AIVI	Ť	2,01	-	0.07	۲		H				Н	3.43 AIVI	-	0.73	-	0.00	-		t				\vdash
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Totals:	4	Da ys	19.51		0.96		3	Da ys	7.92		0.32		4	Da ys	7.84		0.10		0	Da	0.00	1950	0.00	



City:	City of Sc	outh	Bend										Page	9 of	11		F	em	it Number:	IN	0024520			
acility	South Be	nd I	Municipa	al W	WTP									F	ublic Not	ifica	ition Requ	iren	nents Met?	Y				
Monitor	ring Period:		July	W	2024						U.				Chec	k b	ox if no C	so	discharge	00	curred fo	r th	e month:	
Design	Peak Flow	(Ho	urly) (MG	D):	77		Design Fl	low	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (I	E) m	ust be spe	cifle	d		1846	
		cs	O Outfall	No.	044		EALC.	cs	O Outfall	No.	045	10		cs	O Outfall	No.	048			C	SO Outfall	No.	049	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M	Time Discharge Began	M or E		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 Begen	or E		M or E	Event Discharge (MG)	Mori
1		П		Г		T								T						T				Ī
2		П				T		Т				Г		Г		Г				T				
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5		П				T		T		Г		Г	12:15 PM	F	1.21	E	0.03	E		T				\vdash
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8		П				T														T				\vdash
9	7:45 AM	F	0.69	E	0.02	E	11:15 PM	M	0.75	м	0,40	E	3:30 PM	F	8.50	E	0.53	E		t		П		\vdash
10	2:00 AM	E	0.13	E	0.00	E	12:00 AM		7.75	М	4.86	E	12:00 AM		21.65	E	1.60	E		t				\vdash
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15		H				H	5:05 AM	Т	0.42	M	0.01	E	3:45 AM		6.41	E	0.03	E		t				t
16		H				t	3.03 AW	101	0.42	IVI	0.01	-	2:10 AM		1.38	E	0.04	E		t				\vdash
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	2	Da ys	0.82		0.02	+	4	Da	11.67		6.98		7	Da ys	49.97		3.18		0	Da		12 11	0.00	+



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 So						ONMENTAL !						Page 1	0 of	11		-	erm	i t Num ber:	IN	0024520			
Facility:	South Ber			w	WTP									F	ublic Not	ifica	ition Requ	iren	nents Met?	Υ		14		
	ing Perlod:		July		2024		22.11		THE R							_			discharge		curred fo	or the	e month:	: 🗆
	Peak Flow (ırly) (MGD)):	77		Design Fi	ow	(MGD):		48		Measured/	Met		-			ust be spe	-				
		cs	O Outfall	No.	060		1 - 1 - 8	cs	O Outfall	No.		Ē	Haras II		O Outfall	-0.0	[#]	18			O Outfal	No.	[#]	[9
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	Event Duration (Hours)	M of E	Event Discharge (MG)	MorE	Time Discharge Began	or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M
1	Degan		(HOLIS)	-	(mo)	Ė	Degan	Ė	(Hours)	È	(inc)	H	Sogan	-	(illocito)		()			Ē	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Sibe	449	T
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9	3:50 PM	_	8.17	E	0,02	E		H						T				F		T		Г		T
10	12:00 AM			E	0.05	E		H						П		Т		Г		T				T
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13				Н		Т		T						T		Г				T				T
14	4:30 AM	E	10.72	E	0.04	E		Т						T		Г				T		Г		T
15	3:45 AM	E	7,57	E	0.04	E						H	İ	T		Г		Г		T				T
16	3.43 AIVI		7,57	-	0.01	۲		T		Г		Т		T						T				T
17		Н				Н		T				Г		T		T		П		T				T
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26		T						1												T				
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Totals:	4	Day	40.27		0.12		0	Da ya		D)	0.00		0	Da ys			0.00		0	Da ya		l u	0.00	T



City:	City of South Bend				Page: 11 of 11	Permit Number: IN0024520
Facility:	South Bend Municipal WWTP				Public Notif	Scation Requirements Met? Y
Monitor	ing Period: July Year:	2024		i Vi	Check box if r	no CSO discharge occurred for the month:
Design i	Peak Hourly Flow (MGD):	77	Design Average Flow (MGD):	48	THE RESIDENCE	
ן זט עמע						
Month	Comments (further explan	ation as	to why each CSO event occurred)		
1						
2						
3						
4	D					
5	Precipitation Event Observed					
7		_				
8	Precipitation Event Observed					
9	Precipitation Event Observed					
10	Precipitation Event Observed					
11						
12						
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14	Precipitation Event Observed					
15 16	Precipitation Event Observed					
17	Precipitation Event Observed					
18						
19						
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24						
25						
26						
27				_		
29	Precipitation Event Observed					
30	radipitation aron occurred					
31						
Typed o	r Printed Name and Title of Prin	cipal Exe	cutive Officer or Authorized Agent			Telephone
Kim Tho	mpson , Director of Wastewaler	11000000				574-235-5969
I CERTII WITH A INQUIR' SUBMIT	FY UNDER PENALTY OF LAW T SYSTEM DESIGNED TO ASSUR Y OF THE PERSONS WHO MAN, TED IS, TO THE BEST OF MY K	RE THAT C AGE THE I NOWLED	WALIFIED PERSONNEL PROPERLY SYSTEM OR THOSE PERSONS DIRE	GATHER AN CTLY RESP AND COMPI	D EVALUATE THE INFORI ONSIBLE FOR GATHERING LETE. I AM AWARE THAT	And the second s
Signatu	e of Principal Executive Officer	or Author	rized Agent	Marriel II		Date (mm/dd/yy)
	KThony	200				8-16-24

CSO Public Notification - July

Day of Month	Day of Week	Total Daily Precip. (inches)	CSO Discharge Volume (MG)	Notification Sent	Notes
	Mon	0.01	0.00		
2	Tue	0.01	0.00		
3	Wed	0.50	Ne:		
	Thu				
5	Fri	0.19	0.03	YES	
6	Sat				
7	Sun	0.21	0.00	YES	Notification Sent Due To Precipitation, But No Overflows
8	Mon	0.30	0.01	YES	
9	Tue	1.77	13.56	YES	Overflow Continued Into The 10th
10	Wed	2.05	47.95	YES	
11	Thu	0.04	0.00	YES	Notification Sent Due To Precipitation, But No Overflows
12	Fri	0.01	0.00		
13	Sat		2		
14	Sun	1.05	17.51	YES	
15	Mon	0.61	5.19	YES	
16	Tue	0.39	0.39	YES	
17	Wed				
18	Thu				
19	Fri	-			
-20	Sat				
21	Sun	=			
22	Mon	0.01	0.00		
23	Tue		•		
24	Wed	0.10	0.00	YES	Notification Sent Due To Precipitation, But No Overflows
25	Thu				
26	Fri				
27	Sat	-	ŝ		
28	Sun		8		
29	Mon	0.33	0.08	YES	
30	Tue		-		
31	Wed				

Notes

Average Daily Flow Peak Hourly Flow

Precipitation Duration Total Daily Precipitation

Peak Intensity

Average value of 5-min WWTP flow data

Maximum value of the rolling hourly average flow rate Time Precipitation Began First precipitation recorded between the six rain gauges Cumulative duration of all precipitation for the day Maximum value of precipitation for all the six rain gauges

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

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 sensors at CSO 022 & 037 were not working properly during portions of July, The Matrix of Storms was used to calculate overflows during these periods.

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

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



National Pollutant Discharge Elimination System (NPDES)

City:	City of So	uth Bend								Page	1 of	11		P	erm	it Number:	IN	024520	
acility	South Ber	nd Munici	ipal WWTP							1146	F	ublic No	tific	ation Regui	rem	ents Met?	Υ		
Monitor	ing Period	: Au	gust	2024				N A			Ch	eck box i	f no	CSO disch	arge	occurred	for	he month:	
Design	Peak Hour	ly Flow (I	MGD):	7 7	Design Av	erage Flow	(MGD):	48		Measured	/Met	ered (M)	or E	stimated (E	mı.	ıst be spec	clfle	1 246	
wwTi	Influent			Pre	ecipitation C	Data			C	SO Outfall	No.	001			C	SO Outfall	No.	002	
Day of Month	Average Daily Flow (MGD)	Hourly Flow (MGD)	Precip. Began (am/pm)	Precip. Duration (Hours)	Total Daily Precip. (Inches)	Peak Intensity (Inch/hr)	nt Interval (hr, 30 m, 15 m)	Time Discharge Began	or E	Event Duration (Hours)	M or E	Event Diecharg e (MG)	M or E	Time Discherge Began	M or E	Event Duration (Hours)	Mi or E	Event Discharge (MG)	N or
1	29.2	31.7	5:25 PM	0.83	0.55	0.55	1 hr												
2	29.6	34.9	4:25 PM	0.92	0.08	0.08	1 hr		П		П		П						
3	28.9	32.7			-						П								
4	28.8	32.7									П						П		
5	34.5	63.4	9:35 AM	1.75	0.36	0,32	1 hr	11:35 AM	E	0.40	E	0.02	Е						Γ
6	28.9	31.7	10:55 AM	0.42	0.08	0.08	1 hr				П		П		П		П		
7	28.3	30.8			-				П										
8	28.5	32.6									П						П		Γ
9	28.3	31.2			-						Т		П		П		Г		
10	27.7	31.2			-						П		Г				П		
11	27.3	31.7			==						П						Π		
12	27.9	31.0			-						П		Г						
13	27.7	31.0			-						Г		Г				Г		
14	27.9	31.0															Π		
15	27.4	30.4	9:50 AM	1.83	0.08	0.04	1 hr												
16	27.8	31:1	5:10 AM	2.00	0.29	0.16	1 hr				П								
17	27.8	35,5	1:15 PM	1.42	0.21	0.12	1 hr												
18	28.0	32,0	3:40 AM	2.92	0.26	0.21	1 hr												
19	27.2	30.3			-														
20	26.7	29.7			-														
21	27.3	30,2			2												L		
22	27.2	29.8																	
23	27.3	31.9																	
24	27.1	31.3			9														
25	27.6	31.9			_ =														
26	28.0	32.6																	
27	35.7	81.5	4:45 PM	1.83	1.42	1.15	1 hr	6:55 PM	Е	1,21	E	0.09	E	6:55 PM	E	0.58	E	0.00	E
28	43.6	81.0	12:05 AM	3.25	0,32	0,15	1 hr	2:20 AM	Е	0.04	E	0.00	E						
29	30.0	35.8	11:10 AM	0.08	0,01	0.01	1 hr												
30	28.6	31.8	5:45 PM	0.42	0.22	0.22	1 hr												
31	27.9	31.8	4:20 AM	0.08	0.01	0.01	1 hr				L						L		1
Totals:	898.7			17.75	3.89		E214	3	Da yas	1.65		0.11		1	De ys	0.58		0.00	
		Name and	Title of Prin		The second	r or Autho	rized Agent			L IV	W			Telephone					
			Vastewaler				ATTACHME							1		574-235-			_

Signature of Principal Executive Officer or Authorized Agent	Date (mm/dd/yy)
× Thompr	9-26-24



City:	City of So	uth	Bend										Page 2	of	11		- VI	Perm	nit Number:	IN	0024520	_		_
acility:	South Be	nd N	/unicipa	l W	WTP					_				F		_		_	nents Met?					
Monitor	ing Period:		August	1	2024			Ξ			Value of			şέ	Che	ck t	ox if no	cso	discharge	00	curred f	or th	e month:	
Design	Peak Flow	(Hou	rty) (MG	D):	77		Design Fi	ow	(MGD):		48	_	Measured/	Met	ered (M)	or E	stimated (E) m	ust be spec	ifle	d			1
110		CS	Outfall	No.	003			cs	O Outfail	No.	004			cs	O Outfall	No.	006			CS	O Outfal	No.	007	_
Day of Month	Time Discharge Began	M or E	Event Ouration (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	Time Discharge Began	M or E	Event Duration (Hours)		Event Discharge (MG)	M
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2		П		П		T		Г								T		T		Г				T
3		Ħ				T										T		T		T				T
4		П				T		Г				Г		П		Г		T		Г				T
5		Н		П		t		Г		T		Т	10:05 AM	M	0.75	м	0.03	E		П		П		T
6		П				T						T	10.0071111		0.70	Ť	0.00	Ī		Т				1
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8		П		Г		T		Г		Г		Г		П		Г		Т		Г		П		Т
9		H		П		T						Г		Г		T		T		Ī				T
10		П				T		Г				Г				T		Т						
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12		Ħ		Г		T		Г		П				П		Г		Т		П				Т
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15		П		Г		T		Г				Г				П		Г		Г				Т
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17		П		Г		Т																		
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23		П				T																		
24						Γ																		
25						Γ																		
26																								
27	10:25 PM	М	1.58	м	6,75	E	6:50 PM	E	2.67	E	0.06	E	5:15 PM	М	4.00	М	6.77	E	6:50 PM	E	5.17	E	0.13	E
28	12:00 AM		0.92	М	0.84	E		Г					12:00 AM			м	0.71	E	12:00 AM	П	0.40	E	0.01	Е
29				Π		Ī		П																
30		П				T		T																T
31						I																		
Totals:	2	Do ys	2.50		7.59	T	1	Da ys	2.67		0.06		3	Da ys		П	7.51	I	2	Da ys	5.57		0.14	



Clty:	City of So	uth	Bend							_			Page :	3 of	11		P	епт	nit Number:	IN	0024520			
acility	South Be	nd f	Municipa	ı V	WTP									Pu		_			nents Met?	_				
Monitor	ing Period:		August		2024		ELV.								Chec	k b	ox if no C	so	discharge	00	curred f	or th	e month	: C
Design	Peak Flow	(Ηοι	ırly) (MGI	D):	77		Design FI	wo	(MGD):		48		Measured/	Met	ered (M)	or E	stimated	(E)	must be sp	ecif	ied			4
10.5		csc	Outfall (No.	008			cs	O Outfall	No.	010			cso	Outfall	No.	11A			C	SO Outfal	l 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	Discharge	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Discharge	M or E	Event Duration (Hours)		Event Discharge (MG)	M OI
1						Ī								Г		Γ		Г		Π				T
2	6:35 PM	E	0.00	E	0.00	E												Г						
3		П		Г		T						Г						Г						T
4				Г		T						Г		Г		Π		Г						Т
5	11:45 AM	Е	5.95	E	0.06	E	11:45 AM	E	3.33	E	0.05	E						Γ	11:45 AM	E	2.94	E	0.26	E
6						Γ																		
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14	9																	L				L		
15	12:25 PM	Е	0.00	E	0.00	E																		
16	7:35 AM	E	0.00	Ε	0.00	E																		L
17	3:50 PM	E	0.00	E	0.00	E						L		L		L		L		L				┸
18	5:50 AM	E	0.88	E	0.00	E												L						L
19						L										L		L						\perp
20				L		L		L		L		L		L		L		L		L		_		1
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25						L						L						L		L		_		+
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27	6:50 PM	E	5.17	E	0.11	E	6:50 PM	Ε	5.17	Ε	0.20	Ε		L		L		L	6:50 PM	E	5.17	E	1.42	Ε
28	12:00 AM	E	8.12	E	0.29	E	12:00 AM	Ε	5.50	E	0.27	E		L				L	12:00 AM	E	5.11	E	1.62	E
29						L						L		L				L		-				1
30		L		L		L						L		L		_		L		L				+
31		L				L						L						L		L		_		1
otals:	8	Da ye	20.11		0.46		3	Da ye	13.99		0.52		0	0a ys	2 (4)		0.00		3	Da ya		1	3.30	1



City:	City of So	uth	Bend										Page 4	of	11		F	em	nit Number:	IN	0024520			_
acility:	South Bei	nd N	Municipa	ı w	WTP									P	ublic Not	ifica	ation Requ	iren	nents Met?	Υ	177	31	110	
lonitor	ing Period:		August		2024										Chec	k b	ox if no C	so	discharge	00	curred fo	or the	e month:	
Design I	Peak Flow ((Hou	ırly) (MGI	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	er e d (M) (or E	stimated (l	E) m	ust be spe	clfle	d			
	GEN ST	CS	O Outfall	No.	014			cs	O Outfall	No.	018	M		cs	O Outfall	No.	019	Ņ		C	SO Outfall	No.	021	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	Mi oir 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	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M
1																				T				Г
2																								
3		П		П		Г		П												Г				
4		П				П				П										T				Г
5	11.45 AM	E	0.28	E	0.01	E	11:45 AM	E	1.84	E	0.06	E	11:45 AM	Ε	0.33	E	0.00	Е						
6											1735													Г
7				П		Г				П				Г						Τ				Г
8						Г														Ī				Г
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10		П		П		Г		П								П								Г
11		П		П		Г		П		П				Г		Г								Г
12																								
13																								Γ
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16													7:15 AM	E	0.12	E	0.00	E		Γ				
17		П		П		Γ		Г																Γ
18		П				Г		П					5:55 AM	E	0.03	E	0,00	E		Ī				Т
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26						Г										Г								
27	6:50 PM	E	2.88	E	0.22	E	6:50 PM	E	5.17	E	0.79	E	7:00 PM	F	2.25	E	0.13	E	7:00 PM	E	1.32	E	0.02	E
28	2:10 AM	П	0.28	E	0.01	E	12:00 AM		4.01	E	0.66	E	2:05 AM		0.15	E	0.00	Ë	1	Ť		Ĺ		Ť
29	2.107.10		0.20		0.07	Ť	12.00, 101	Ĩ			5,55	_	2.00, 10	Ī	00	Ī	0.00	Ī				П		T
30		Ħ				T																		T
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otals:	3	Da ys	3.44		0.25	T	3	Da ya	11.01		1.52		5	Da ys	2.88		0.14	10	1	De			0.02	T



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

Slate Form 55046 (R3 / 7-13)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT Permit Number: IN0024520 City: City of South Bend Page 5 of 11 Public Notification Requirements Met? Y Facility: South Bend Municipal WWTP Check box If no CSO discharge occurred for the month: \Box Monitoring Period: August 2024 Design Flow (MGD): 48 Measured/Metered (M) or Estimated (E) must be specified Design Peak Flow (Hourly) (MGD): 77 025 CSO Outfall No. CSO Outfall No. CSO Outfall No. 022 CSO Outfall No. 026 Event Event Time Event Event Event Duration (Hours) (MG) Discharge Began Duration Discharge Began or Duration E (Hours) Discharge (MG) Discharge Duration Discharge (MG) or Duration E (Hours) (MG) (Hours) 1 2 3 4 5 10:05 AM M 1.67 M 0.73 6 7 8 9 10 11 12 13 14 15 16 11:40 PM M 0.33 M 0.07 17 12:00 AM M 0.08 0.00 18 19 20 21 22 23 24 25 26 27 0.00 E 6.45 PM E 5:15 PM M 0.36 2.47 0.35 2.42 2.67 28 12:00 AM M 1.17 М 0.15 29 30 31 0.00 0.00 Totals:



City:	City of Sc	uth	Bend			_							Page 6	of	11		F	еm	it Number:	INC	0024520	_		_
acility:	South Be	nd l	/lunicipa	al W	WTP	_								Р	ublic No	ifica	tion Requ	iren	nents Met?	Υ				
Monitor	ing Period:	971	August		2024						N.	19	L'AULES		Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month:	: 🗆
Design	Peak Flow	(Hot	ırly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/I	Mete	ered (M)	or E	stimated (E) m	ust be spec	ifle	d			
1122		CS	O Outfail	No.	028			cs	O Outfall	No.	029		40	cs	O Outfall	No.	031			CS	O 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	01. M	Event Duration (Hours)	M or E	Event Discharge (MG)	or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M
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2		H				П												Г				Т		T
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5		Ħ				П	11:45 AM	F	1.09	E	0.01	E	11:45 AM	E	3.98	E	0.29	E	11:45 AM	E	2.89	E	0,01	E
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7		П				Т										Г		Г		Г		П		Γ
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26		H		-		+		H		-		-	-	L		-		-		-		-	-	+
27	6:50 PM	E	2.64	E	0.10	E		П	4.42	E	0.11	E	6:50 PM		5.17	E	0.95	E	6:50 PM	Т	5.17	E	0.03	E
28		H		-		+	2:10 AM	E	1,09	E	0.01	E	12:00 AM	E	6.15	Ε	1.87	E	12:00 AM	E	5.06	E	0.06	E
29		H		-		+		H		-		-	-	L		-		\vdash		-		+		+
30	_	H		-		H		H		-		-	 	H				\vdash		+		-		+
31		Da		-		Ļ		Da	The same			-	ļ	Da				+		Da		-		+



City:	City of Sc	outh	Bend										Page 7	7 of	11		F	em	nit Number.	. IN	0024520			
Facility	South Be	nd	Municipa	al W	WTP									F	ublic Not	tifica	ation Requ	iren	nents Met?	Υ				3
Monitor	ring Period:	Įħ,	August		2024		118			9	18	The	11 22 2		Chec	k b	ox If no C	so	discharge	00	curred fo	or th	e month:	
Design	Peak Flow	(Ho	urly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stlmated (l	E) m	ust be spe	clfie	ed			
		CS	O Outfall	No.	035	B	12.00	CS	O Outfall	No.	036	ģ.		cs	O Outfall	No.	037			C	SO Outfal	No.	038	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	MI OI E	Time Discharge Began	M or E	Event Duration (Hours)	M	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		M or E	Event Discharge (MG)	M
1		П				T														Ì				
2	6:35 PM	Ε	0.00	Ε	0.00	E		Т		П		Т								T		П		Г
3	0.00 / 111	Ť	0.00		0.00	Ť														T				Г
4		П		П		T		T		П						T		П		T				
5	11:45 AM	F	6.34	E	0.07	F	11:45 AM	F	0.72	E	0.00	E		Г		T				T		П		
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7		H				t														\vdash				Н
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11		П				T		T		П										T				
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14		Н				T		\vdash												t				
15	12:25 PM	E	0.00	E	0.00	E		Н												t				Г
16	7:35 AM		0.00	E	0.00	E		T										П		T				Г
17	3:50 PM	П	0.00	E	0.00	E		T										П		T		Т		Т
18	5:50 AM		0,17	E	0.00	E		Г								T				T		П		
19	0.007441	Ť	5,11	Ī	0.00	-		Г						П				Г		T		П		Г
20		П				T		П								T				T				Г
21		П																П		T				Г
22		П																						
23						T																		
24																								
25		H																						
26		H																						Г
27	6:50 PM	F	5.17	E	0,12	E	6:50 PM	F	4.98	E	0.06	E	5:15 PM	М	2.50	М	12.44	E		1				
28	12:00 AM		8.51	E	0,12	E	2:10 AM		0,72	E	0.00	E	12:00 AM		0.33	М	0.02	E		1				
29	12.00 AIV	-	0.51	_	0,33	10	2. 10 AIVI	-	0,72	_	0.00	_	12.00 AIVI	IVI	0.33	IVI	0,02	-		1				
30		H				H										-				-				
31		H				H										1		H		-				
Totals;	8	Da ya	20.18		0.51		3	Da ys	6.42		0.06		2	Da ya	2.83		12.46		0	Da ys	1, 23		0.00	



ity:	City of So	uth	Bend										Page	of	11			erm	it Number:	IN	0024520	_	-	_
acility:	South Be	nd N	/unicipa	ı W	WTP									Р	ublic Not	ifica	tion Requ	iren	ents Met?	Υ				
lonitor	ing Period:		August		2024		9.5		11-1						Chec	k b	ox If no C	so	discharge	oc	curred fo	or th	e month:	
esign '	Peak Flow	(Hou	ırly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M) o	or Es	stimated (E) m	ust be spec	clfie	d			11
10		CS	Outfall	No.	039			cs	O Outfall	No.	040			CS	O Outfall	No.	041			CS	O 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 Begen	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M of 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
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City:	City of Sc	uth	Bend										Page 9	of	11			erπ	it Number	lN	0024520			_
acility:	South Be	nd i	Municipa	al W	WTP									P	ublic Not	ifica	itlon Requ	iren	nents Met?	Υ				
donitor	ing Period:		August	. 3	2024						-		9,3		Chec	k b	ox If no C	so	discharge	00	curred fo	or th	e month:	
Design	Peak Flow	(Hou	ırly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/I	Met	ered (M)	or Es	stimated (E) m	ust be spe	cifle	ed			Å,
		cs	O Outfall	No.	044			CS	O Outfall	No.	045			cs	O Outfall	No.	048		J - 189	C	SO Outfall	No.	049	
Dary of Month	Time Discharge Began	M or E	Event Duration (Hours)	or E	Event Discharge (MG)	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)	or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E		M or E	Event Discharge (MG)	M
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City:	City of So	uth	Bend										Page 1	0 of	11			Perm	nit Number:	: IN	0024520	_		_
acility:	South Bei	nd M	lunicipa	W۱	VTP							_		P		_		_	nents Met?	_				
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esign	Peak Flow ((Hou	rly) (MGE):	77		Design Fl	ow	(MGD):		48		Measured	Met	ered (M)	or E	stimated (E) m	ust be spe	cific	đ			
		cs	O Outfall	No.	060			cs	O Outfall	No.				CS	O Outfall	No.	[#]			C	O 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)	or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	or E			Event Discharge (MG)	M
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28	12:00 AM		8.68	E	0.04	E														L				
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City:	City of South Bend				Page: 11 of 11	Permit Number: IN0024520
Facility	: South Bend Municipal WWTP		2		Public Notific	ation Requirements Met? Y
Monito	ring Period: August Year:	2024		- 3 'Year's	Check box If no	CSO discharge occurred for the month:
Smil					1 13 2 2 7 8	
Design	Peak Hourly Flow (MGD):	77	Design Average Flow (MGD):	48		
uay or					200	
Month	Comments (further expla	nation as	to why each CSO event occurred	a)		
2	Precipitation Event Observed					
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_	- Bristod Name and Title of Be	inclust Ev	ecutive Officer or Authorized Agent			Telephone
Typeu	bi Filited Name and Tide Of Fi	moipar Ex	COURS Officer of Manietzea Agent			
Kim Th	ompson , Director of Wastewaler					574-235-5969
CERT	IFY UNDER PENALTY OF LAW	THAT THE	S DOCUMENT AND ALL ATTACHMEN	NTS WERE PE	REPARED UNDER MY DIREC	TION OR SUPERVISION IN ACCORDANCE
WITH	A SYSTEM DESIGNED TO ASSU	IRE THAT	QUALIFIED PERSONNEL PROPERLY	Y GATHER AN	ONSIBLE FOR GATHERING	THE INFORMATION; THE INFORMATION
SUBM	KT OF THE PERSONS WHO MAI	KNOWI F	GE AND BELIEF TRUE ACCURATE	AND COMP	LETE. I AM AWARE THAT I	THERE ARE SIGNIFICANT PENALTIES FOR
SUBMI	ITTING FALSE INFORMATION. I	NCLUDING	THE POSSIBILITY OF FINE AND IM	PRISONMENT	FOR KNOWING VIOLATION	S.
	ure of Principal Executive Office			A DOM		Date (mm/dd/yy)
3.8						9-21-24
	X Thran	1				12021

CSO Public Notification - August

Day of Month	Day of Week	Total Daily Precip. (Inches)	Total Daily CSO Discharge Volume (MG)	Notification Sent	Notes
101	Thu	0.55	0.00		Notification Sent Due To Precipitation, But No Overflows
2	Fri	0.08	0.00		<10,000 Gallons
3	Sat	-30	-		
4	Sun	(+):	(4)		
5	Mon	0.36	1.79		
6	Tue	0.08	0.00		Notification Sent Due To Precipitation, But No Overflows
7	Wed	(10)			
8	Thu	**	28:		
9	Fri	1.50	9.5		
10	Sat		3(+)		
11	Sun		ur.		
12	Mon		₹#5		
13	Tue		7.5		
14	Wed	190	16		
15	Thu	0.08	0.00		<10,000 Gallons
16	Fri	0.29	0.18		
17	Sat	0.21	0.00		<10,000 Gallons
18	Sun	0.26	0.07		
19	Mon) ea	-		
20	Tue	743			
21	Wed	(1.7)			
22	Thu	(4)			
23	Fri				
24	Sat	(in)			
25	Sun				
26	Mon	·*:	•		
27	Tue	1.42	35.07		
28	Wed	0.32	7.99		
29	Thu	0.01	0.00		
30	Fri	0.22	0.00		Notification Sent Due To Precipitation, But No Overflow
31	Sat	0.01	0.00		

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
Precipitation Duration
Total Daily Precipitation

Maximum value of the rolling hourly average flow rate
First precipitation recorded between the six rain gauges
Cumulative duration of all precipitation for the day
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

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.

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.

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



City:	City of So				NAME IA LAIL W.					Page	1 of	11		Р	enn	it Number:	tNO	024520	
acility	South Be	nd Munici	ipal WWTP								F	Public No	tific	ation Requi	rem	ents Met?	Υ		
/onito	ing Period	: Sep	ptember	2024			N. Harris				Ch	eck box i	f no	CSO disch	arge	occurred	fort	he month:	
esign	Peak Hour	ly Flow (N	MGD):	77	Design Ave	erage Flow	(MGD):	48		Measured/	Met	ered (M)	or E	stimated (E) mu	ıst be spec	iflec		
wwt	Influent			Pr	ecipitation D	ata			С	SO Outfall	No.	001			C	SO Outfall	No.	002	
Day of Month	Average Daily Flow (MGD)	Hourly Flow (MGD)	Precip. Began (am/pm)	Precip. Duration (Hours)	Total Daily Precip. (Inches)	Peak Intensity (Inch/hr)	nt Interval (hr, 30 m, 15 m)	Time Discharge Begen	M es E	Event Duration (Hours)	M or E	Event Discharg e (MG)	M or E	Time Discharge Begøn	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	MorE
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17	27.3	30.4			No.														
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22	39.5	66.2	11:40 AM	7,42	1.15	0.42	1 hr	2:00 PM	E	2.43	Ε	0.36	E	2:00 PM	E	3.53	E	0.18	E
23	27.2	41.7	1:10 AM	0.25	0.01	0,06	1 hr												
24	41.4	83.5	12:00 AM	7.67	1.47	1.05	1 hr	2:05 AM	E	3.37	Ε	0.65	E	2:05 AM	E	5.18	E	0.47	E
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Signatu	re of Princ	1	utive Office		ized Agent						19			Date (mm/		1-24	1		



City:	City of So						RONMENTAI						Page 2	of	11		1100	Pem	nit Number:	IN	0024520			
Facility:	South Be	nd l	Municipa	al W	WTP									F	ublic No	tific	ation Requ	ılren	nents Met?	Υ				ŵ.
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Totals:	2	Da ya	2.67		1.69		1	ys.	1.71		0.03		3	ys	6.43		1.84		3	ys.	8.72		0.12	



Period: Flow (I	Hou		ber D):	2024										VOW B	_		4	100					
Flow (I	M or	rly) (MGI Outfall I	D):			70.00							P	ublic Noti	fica	tion Requi	iren	nents Met?	Y	1000			
ime tharge	M or	Outfall !								Ai iya			ij	Chec	k b	ox if no C	so	discharg	e 00	curred f	or th	e month	: [
ime :harge	M			77		Design FI	low	(MGD):		48		Measured	Met		-0		9.7	must be sp	-7		well.		
harge	or	CSO Outfall No. 008 CSO Outfall No. (cs	O Outfall	No.	11A			C	O Outfal	No.	11B	
syan		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)	More	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M	Time Discharge Began	M or E	Event Duration (Hours)	MorE	Event Discharge (MG)	N O E
	T	(riours)		(ma)	1	Degan	-	iuonsi	-	iwai	_	Gegan	F	(Hours)	-	(MG)	-	pegan	F	(Hours)	OF E	(IMG)	+
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	7		Н		Н								H				Н		H		Н		t
\neg	+		Н		Н		Н						H				Н		H		Н		t
	\forall		Н		Н		Н		Н		Н		H		Н		Н		H		Н		t
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\neg	7		П		H								H				H		H				t
\neg	+		H		H		Н		П				Н		Н		Н		Н				+
\neg	\dagger		Н		H		Н		Н				Н		H		Н		Н		Н		\vdash
5 PM	F	10.25	F	0.20	F	1:45 PM	F	9.70	F	0.34	F						П	1:45 PM	F	9.05	E	2 10	E
					Н			u,		0,04							H	1.431 101	=	5.00	-	2,13	-
		-			Н	2:00 AM	F	5.31	F	0.14	F						H	2:00 AM	F	4 91	E	0.82	E
			\neg		Н		\Box								П		Н				\neg		E
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_	+				H						-				П							_	+
D AM	=	1.09	E	0.00											H		H			-	\vdash		+
A COM	+	1.03	-	0.00	۲		H				1						H						\vdash
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		07.04		0.50	Ħ		Da	04.75	97	0.5			Da	14	10		H	ME A	Da				-
5	AM AM	AM E	AM E 1.09	AM E 10.25 E AM E 11.55 E AM E 1.09 E	AM E 4.50 E 0.09 AM E 10.25 E 0.12 AM E 11.55 E 0.18 AM E 1.09 E 0.00	AM E 4.50 E 0.09 E AM E 10.25 E 0.12 E AM E 11.55 E 0.18 E AM E 1.09 E 0.00 E	AM E 10,25 E 0.09 E 2:00 AM AM E 11.55 E 0.18 E 3:45 AM AM E 1.09 E 0.00 E	AM E 4.50 E 0.09 E 2:00 AM E AM E 10.25 E 0.12 E 2:00 AM E AM E 11.55 E 0.18 E 3:45 AM E AM E 1.09 E 0.00 E	AM E 4.50 E 0.09 E 2:00 AM E 5,31 AM E 10.25 E 0.12 E 2:00 AM E 5,31 AM E 11.55 E 0.18 E 3:45 AM E 6,37 AM E 1.09 E 0.00 E	AM E 4.50 E 0.09 E 2:00 AM E 5.31 E AM E 10.25 E 0.12 E 2:00 AM E 5.31 E AM E 11.55 E 0.18 E 3:45 AM E 6.37 E AM E 1.09 E 0.00 E	AM E 10.25 E 0.09 E 2:00 AM E 5.31 E 0.14 AM E 11.55 E 0.18 E 3:45 AM E 6.37 E 0.19 AM E 1.09 E 0.00 E	D AM Ε 4.50 E 0.09 E <td< td=""><td>AM E 10,25 E 0.09 E 2:00 AM E 5,31 E 0.14 E AM E 11,55 E 0.18 E 3:45 AM E 6,37 E 0.19 E AM E 1.09 E 0.00 E </td><td>AM E 10,25 E 0,12 E 2:00 AM E 5,31 E 0,14 E AM E 11,55 E 0,18 E 3:45 AM E 6,37 E 0,19 E AM E 1,09 E 0,00 E </td><td>AM E 10.25 E 0.12 E 2:00 AM E 5.31 E 0.14 E AM E 11.55 E 0.18 E 3:45 AM E 6.37 E 0.19 E AM E 1.09 E 0.00 E</td><td>AM E 1.09 E 0.09 E 2:00 AM E 5.31 E 0.14 E </td><td>AM E 10,25 E 0,12 E 2:00 AM E 5,31 E 0,14 E </td><td>AM E 10.25 E 0.12 E 2:00 AM E 5.31 E 0.14 E AM E 11.55 E 0.18 E 3:45 AM E 6.37 E 0.19 E AM E 1.09 E 0.00 E</td><td>O AM E 4.50 E 0.09 E 0.09 E 0.00 E</td><td>DAM E 4.50 E 0.09 E .</td><td>AM E 10,25 E 0.12 E 2:00 AM E 5,31 E 0.14 E 2:00 AM E 4,91 AM E 11.55 E 0.18 E 3:45 AM E 6,37 E 0.19 E 3:45 AM E 5,83 AM E 1.09 E 0.00 E</td><td>AM E 4.50 E 0.09 E E 2.00 AM E 5.31 E 0.14 E 2.00 AM E 4.91 E 4.9</td><td>DAM E 4.50 E 0.09 E 0.09 E 0.12 E 2:00 AM E 4.91 E 0.82 AM E 10.25 E 0.18 E 2:00 AM E 4.91 E 0.82 AM E 11.55 E 0.18 E 3:45 AM E 6.37 E 0.19 E 3:45 AM E 5.83 E 1.23 AM E 1.09 E 0.00 E</td></td<>	AM E 10,25 E 0.09 E 2:00 AM E 5,31 E 0.14 E AM E 11,55 E 0.18 E 3:45 AM E 6,37 E 0.19 E AM E 1.09 E 0.00 E	AM E 10,25 E 0,12 E 2:00 AM E 5,31 E 0,14 E AM E 11,55 E 0,18 E 3:45 AM E 6,37 E 0,19 E AM E 1,09 E 0,00 E	AM E 10.25 E 0.12 E 2:00 AM E 5.31 E 0.14 E AM E 11.55 E 0.18 E 3:45 AM E 6.37 E 0.19 E AM E 1.09 E 0.00 E	AM E 1.09 E 0.09 E 2:00 AM E 5.31 E 0.14 E	AM E 10,25 E 0,12 E 2:00 AM E 5,31 E 0,14 E	AM E 10.25 E 0.12 E 2:00 AM E 5.31 E 0.14 E AM E 11.55 E 0.18 E 3:45 AM E 6.37 E 0.19 E AM E 1.09 E 0.00 E	O AM E 4.50 E 0.09 E 0.09 E 0.00 E	DAM E 4.50 E 0.09 E .	AM E 10,25 E 0.12 E 2:00 AM E 5,31 E 0.14 E 2:00 AM E 4,91 AM E 11.55 E 0.18 E 3:45 AM E 6,37 E 0.19 E 3:45 AM E 5,83 AM E 1.09 E 0.00 E	AM E 4.50 E 0.09 E E 2.00 AM E 5.31 E 0.14 E 2.00 AM E 4.91 E 4.9	DAM E 4.50 E 0.09 E 0.09 E 0.12 E 2:00 AM E 4.91 E 0.82 AM E 10.25 E 0.18 E 2:00 AM E 4.91 E 0.82 AM E 11.55 E 0.18 E 3:45 AM E 6.37 E 0.19 E 3:45 AM E 5.83 E 1.23 AM E 1.09 E 0.00 E



City:	City of Sc	outh	Bend										Page 4	of	11			Perm	it Number:	INC	0024520			_
acility:	South Be	nd N	/lunici <u>p</u> a	ıl W	WTP								13.0	Р	ublic Not	ifica	ition Requ	ігеп	ents Met?	Υ				
Monitor	ing Period:	4	Septem	ber	2024				W.L						Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month:	
Design	Peak Flow	(Hou	ırly) (MGI	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or Es	stimated (E) m	ust be spec	ifie	d			
		CS	O Outfall	No.	014			cs	O Outfall	No.	018			cs	O Outfail	No.	019			CS	O Outfal	l No.	021	16
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)		Event Discharge (MG)	Mori
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3		Н		H		H						Н		Н		Н						\vdash		T
4		Ħ		T		Ħ		Г				T		Г		Г		T				T		T
5	-	П		H		Ħ		Н		Н				Н				T			====	T		T
6		H				Ħ		П		П						T								T
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22	1: 4 5 PM	Ε	2.64	E	0,16	E	1:45 PM	E	8,55	E	1.05	E	1:40 PM	E	2.08	E	0.10	E	1:40 PM	E	0,96	E	0.01	E
23		Ц		L		L		L		_		_		L		1		L		L		L		\perp
24	2:00 AM	E	1.24	E	0.06	E	2:00 AM	E	6.73	E	0.33	E	2:00 AM	E	0.60	E	0.01	E						\perp
25	3:45 AM	E	1.77	E	0.07	E	3:45 AM	Ε	7.07	E	0.56	E	2:05 AM	E	0.39	E	0.01	E						\perp
26				1		L		L		_		_		L		1_								1
27						L		L										L				L		\perp
28				L		L		L						L				_				L		1
29		L		_		L		L						L		-		1		_		L		_
30						L		L														\perp		1
		In		_		L		100						10		_		_	ļ	10				+
Totals:	3	Da ys	5.65		0.29		3	Da ys	22.35		1.94		3	Da ys	3.07		0.12		1	Da ys	0.96		0.01	



City:	City of	Sout	h Bend										Page	5 of	11		,	Репт	nit Number	: IN	0024520			
Facility:	South E	end	Municip	al W	WTP									F	Public Not	tifica	ation Requ	iren	nents Met?	Υ	LUL.			
Monitor	nitoring Period: September 2024													Chec	k b	ox if no C	so	discharge	00	curred fo	or th	e month:	: 🗆	
Design I	Peak Flo	v (Ho	urly) (MC	D):	77		Design F	low	(MGD):		48		Measured	/Met	tered (M)	or E	stimated (E) n	ust be spe	cifie	ed	×		ľ
		CS	O Outfal	l No.	022			CS	O Outfall	No.	025	ú		CS	O Outfall	No.	026	8		С	SO Outfal	l No.	027	
Day of Month	Time Discharg	M or E		M or E	Event Discharge	M e or E		M	Event Duration	M or E	Event Discharge	M	Discharge	M		M		M	Time Discharge				Event Discharge	
1	Began	1-	(Hours)	1-	(MG)	弋	Began	E	(Hours)	-	(MG)	E	Begen	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	or
2		+		\vdash		+		H		H		H		H		Н		\vdash	-	H				+
3		╁		+		+		H		-	-	H	-	H				\vdash	-	╁		\vdash		+
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7		+		\vdash		+		Н		-	-	Н		\vdash	-	H	_	\vdash	-	╁		-		╁
8		+		+		H														H		-		+
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21		+		Н		Н		Н			-	-		Н		Н		Н		Н		Н		+
22	12:20 PI	4 14	3.92	М	2,20	E		H											4.50 511	-	4.05		0.47	E
23	12.20 P	VI IVI	3.92	IVI	2,20	15		H											1:50 PM	E	1,80	E	0,14	-
24	6:20 AN	1 14	0.58	м	0.11	E		H							-				2.05 414	-	1.50	E	0.46	1
25	8:40 AM	\neg			0,11	E		H											2:05 AM	E	1.59	드	0.10	E
26	D.⇔D Al	IVI	2.17	М	0.79	F		H																+
27		+				+		H		-						-								+
28		+				H		H				-						-		-				+
29		+				H		H			-	-								-				+
30		+			-	H										Н	-			-		Н		-
-55		+		\vdash	-	+		H				-		\vdash		H	-			-	_	H		+
Totals:	3	ys	6.67		3,10	U	0	Da VB	Reguli.	800	0.00		0	Da ys	2735		0.00		2	Da	3.39		0.24	



City:	City of So	outh	Bend										Page (of	11		ŗ	Perm	nit Number:	IN	0024520			
Facility	South Be	nd l	Municipa	ıl W	WTP			_					3	Р	ublic Not	ific	ation Requ	iren	nents Met?	Y	-	83	- 1	
Monitor	ing Period:		Septem	ber	2024		15.0						133	b	Chec	k b	ox if no C	so	discharge	OC	curred fo	or the	e month:	
Design	sign Peak Flow (Hourly) (MGD): 77 Design Flow (MGD):									48		Measured/	Met	ered (M)	or E	stimated (E) m	ust be spe	cifie	d		100		
		cs	O Outfall	No.	028		AN THE	cs	O Outfall	No.	029			cs	O Outfall	No.	031			CS	O Outfal	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	Event Discharge (MG)	M
1		П				П										Г		П		П				
2		П		П		П																		
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20		L		Ш				L		L		Ш		L		L	_			L		L		L
21						L		L																_
22	1:45 PM	E	2.14	E	0.05	E	1:45 PM	E	3.93	E	0.08	E	1:45 PM	E	10.25	E	1,69	E	1:45 PM	E	10.25	E	0,06	E
23		╙		L		L		L		L		L	12:00 AM	E	2,40	E	0.40	E	12:00 AN	E	2.10	E	0.01	E
24	2:00 AM	E	0.28	E	0.00	E	2:00 AM	E	2,23	E	0.03	E	2:00 AM	E	6.53	E	0.83	E	2:00 AM	E	7.02	E	0.03	E
25	3 45 AM	E	0.91	E	0.00	E	3:45 AM	E	2,38	E	0.05	E	3:45 AM	E	9.05	E	1,23	E	3:45 AM	E	8.77	E	0.04	E
26		L				L		L		L						L		L		L			2.5	1
27						L				L						L				\perp				1
28		1				L		L				L		L		L	-	L		L		\vdash		1
29		1				Ļ		L		L	_			L		L		L		_				_
30						L		L						_		L		L		L				1
		Da			12 11 11	1		Da				1921		Da						Da		-		-
Totals:	3	ys	3.33		0.05		3	уб	8.54		0.15		4	уs			4.15		4	ув	28.14		0.13	



City:	City of Sc	outh	Bend										Page :	7 of	11		F	Perπ	nit Number:	IN	0024520			_
acility:	South Be	nd l	Милісіра	al W	WTP									F	ublic No	tiflea	tion Requ	iiren	nents Met?	Υ			VII.	y
lonitor	ing Period:	J,	Septem	ber	2024				= S.,						Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month:	. E
esign	Peak Flow	(Hou	urly) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) m	ust be spe	cifie	d	-4		
E.	g vitu	cs	O Outfall	No.	035			cs	O Outfall	No.	036	16		cs	O Outfall	No.	037		12.4	C	SO Outfal	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 Disch ar ge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	01
1		П				T		П												T				T
2		Ħ				T		Ħ				Г		Г		T				T				t
3		П		Г		t		П		Т		Г		Г		П		Г		Т				t
4		П		T		t		Н		Т		Г		Г		T		Т		T			-	t
6		Ħ				t		H						Г		T				T				t
6		H				t		H		Н		Н		=		T		Н		T		П		t
7		H				t		H				Н						Т		T				t
8		\forall				t		H										Н		T				t
9		H				t		H		П		H		H		H		Н		T				t
10		H		-		t	-	H		Н				H		H		H						t
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15		Н		H		t		Н						H		H		Н		H				t
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17		H		H		t		Н				Н		Н				H		H			-	t
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City:	City of S	outh	Bend										Page I	3 of	11			Perm	nit Number:	IN	0024520			
acility	: South Be	end	Municip	al W	WTP									Р	ublic No	tifica	ation Requ	iren	nents Met?	Υ		N.		
lonito	ring Period	l:	Septen	nber	2024		100		M.						Chec	k b	ox if no C	so	discharge	ОС	curred fo	or th	e month:	
)esign	Peak Flow	(Ho	urly) (MG	D):	77		Design Fl	low	(MGD):	H	48		Measured/	Met	ered (M)	or E	stimated (E) m	ust be spe	cifie	d			
		CS	O Outfal	No.	039	1		cs	O Outfall	No.	040	1	44.99	cs	O Outfall	No.	041			C	SO Outfall	No.	042	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	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)	N
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24	2:00 AM	E	1.93	E	0.05	E	2:05 AM	E	1,71	E	0,04	E		П										
25	2:05 AM		1.26	E	0.03	Ē		Ī		Ī														T
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Totals:	3	Da ys	7.77		0.31	T	2	Da ys	3.57		0.10		1	Da ys	2.31		0.02		0	Da ys	1,00		0.00	T



City:	City of Sc	outh	Bend										Page	9 of	11			Perm	nit Number	: IN	10024520			
acility:	South Be	nd l	Municipa	al W	WTP									F	Public No	tifica	ation Requ	ilren	nents Met?	Υ		Jų)		
Monitor	toring Period: September 2024														Chec	k b	ox if no (cso	discharge	9 00	curred f	or th	e month:	: C
esign l	Peak Flow	(Hot	ırly) (MG	D):	77		Design F	low	(MGD):		48		Measured	Met	tered (M)	or E	stimated (E) m	ust be spe	cifie	ed	7		
300		cs	O Outfall	No.	044			cs	O Outfall	No.	045			cs	O Outfall	No.	048	M	W- Table	С	SO Outfal	l No.	049	10
Day of	Time Discharge	M	Event Duration	М	Event Discharge	M		M	Event Duration	M	Event Discharge	M		М			Event Discharge	M	Time Discharge	M		м	Event Discharge	e 1
Month	Began	티	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	DI
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h Ben	nd M	lunicipa	ı w	WTP								200	Р	ublic Noti	flca	ition Requ	iren	nents Met?	Υ			611	
nitoring Period: September 2024														Chec	k be	ox if no C	so	discharge	OC	curred fo	or the	e month:	
Flow (I	Hou	rly) (MGI	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M) o	r Es	stimated (E) m	ust be spe	cifie	d	νij		
	csc	Outfall	No.	060		its, TV	cs	O Outfall	No.		Į.		cs	O Outfall	No.	[#]		2 V	CS	O Outfall	No.	[#]	Ì
harge		Event Duration (Hours)	M or E	Event Discharge (MG)	M or E		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
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City:	City of South Bend				Page: 11 of 11	Permit Number: IN0024520
Facility	: South Bend Municipal WWTP				Public Notific	cation Requirements Met? Y
Monitor	ing Period: September Year:	2024			Check box if no	CSO discharge occurred for the month:
III O I II CO	mg. viva. september Tear.				GHEBR BOX II III	occ disonarge occurred for the mondi.
Design	Peak Hourly Flow (MGD):	77	Design Average Flow (MGD):	48		
Month	Comments (further explan	ation ac	to why each CSO event occurred)	S-1 - 10		
1	Comments (turther explan	auon as	to why each CSO event occurred)	0.0.4		
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25	Precipitation Event Observed					
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28	Precipitation Event Observed					
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30						
Typed o	r Printed Name and Title of Prin	cipal Exe	cutive Officer or Authorized Agent	THE PARK	V TO BUSH WITH	Telephone
Kim Tho	mpson, Director of Wastewater					574-235-5969
I CERTI	FY UNDER PENALTY OF LAW T	HAT THIS	DOCUMENT AND ALL ATTACHMENT	S WERE PR	EPARED UNDER MY DIREC	CTION OR SUPERVISION IN ACCORDANCE
			QUALIFIED PERSONNEL PROPERLY O			
						THE INFORMATION; THE INFORMATION
			GE AND BELIEF, TRUE, ACCURATE, A THE POSSIBILITY OF FINE AND IMPR			THERE ARE SIGNIFICANT PENALTIES FOR
				NISONNIEN I	FUR ANUWING VIULATION	
Signatu	re of Principal Executive Officer	or Autho	nzea Agent			Date (mm/dd/yy)
an	Marross					10-21-24

CSO Public Notification - September

Day of Month	Day of Week	Total Daily Precip. (inches)	CSO Discharge Volume (MG)	Notification Sent	Notes
1	Sun	-	-		
2	Mon	-6			
3	Tue		-		
4	Wed		*		
5	Thu	=			
6	Fri				
7	Sat	-	-		
8	Sun	-			
9	Mon	=	-		
10	Tue	[≅	-		
- 11	Wed	-	-		
12	Thu		-		
13	Fri	- 3			
14	Sat				
15	Sun	2:			
16	Mon	-	-		
17	Tue	-	-		
18	Wed		-		
19	Thu	*	-		
20	Fri	0.26	0.00	YES	<10.000 Gallons
21	Sat	0.01	0.00		
22	Sun	1.15	14.27	YES	Overflow continued past midnight
23	Моп	0.01	0.77	YES	
24	Tue	1.47	7.08	YES	
25	Wed	0.75	5.14	YES	
26	Thu				
27	Fri		-		
28	Sat	0.20	0.00	YES	<10,000 Gallons
29	Sun	0.01	0.00		*
30	Mon	-	-		

Notes

Average Daily Flow

Peak Hourly Flow

Precipitation Duration Total Daily Precipitation

Peak Intensity

Average value of 5-min WWTP flow data

Maximum value of the rolling hourly average flow rate Time Precipitation Began First precipitation recorded between the six rain gauges Cumulative duration of all precipitation for the day Maximum value of precipitation for all the six rain gauges

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

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 003 failed for portions of the 15th & 16th. The Matrix of storms was used to calculate overflows during this period. The meter at CSO 006 failed from the 22nd to the 25th. The Matrix of storms was used to calculate overflows during this 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.

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



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

City:	City of So			OI LIVING	ONMENTAL M	ANAGEMEN				Page	1 of	11		F	'em	nit Number:	INC	0024520	
Facility	South Be	nd Munic	ipal WWTP								F	Public No	tific	ation Requ	iren	nents Met?	Υ	100	
Monitor	ing Períod	: Oc	tober	2024		Wilson			9		Ch	eck box i	fno	CSO disch	arg	e occurred	forf	the month	
Design	Peak Hour	ly Flow (I	MGD):	77	Design Ave	erage Flow	(MGD):	48		Measured	/Met	ered (M)	or E	stimated (E	.) m	ust be spec	lfie	d	00
wwn	P Influent	Data		Pro	ecipitation D	ata			С	SO Outfall	No.	001		(_ fell_	C	SO Outfall	No.	002	
Day of Month	Average Dalty Flow (MGD)	Hourty Flow (MGD)	Precip. Began (am/pm)	Precip. Duration (Hours)	Total Daily Precip. (Inches)	Peak Intensity (Inch/hr)	nt interval (hr, 30 m, 16 m)	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharg • (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	A or
1	26.2	28.8			197						T								Г
2	26.3	30.3			:40						Г								Г
3	26.7	31.1			920						Г								
4	26,0	29,6																	Γ
5	26.2	29.3			000						Г						П		Γ
6	26.5	30.5			127														Γ
7	26.5	30.2																	Γ
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9	26.2	30_2			322														
10	25,8	29_4			-														Г
11	26,4	30,6			200								П						Г
12	25.8	29.5	6:40 PM	0.75	0.08	0,06	1 hr				Г				П		П		Г
13	26,3	33.0	5:10 PM	2,00	0.20	0,12	1 hr				Г				П				Г
14	36.7	59.2	12:25 AM	6,75	0,53	0,16	1 hr	2:35 AM	E	0.59	Ε	0.03	E		П		П		Г
15	28,3	45.8	12:00 AM	0.25	0,01	0.01	1 hr				Г				П				Γ
16	25,9	29.8			140										П		П		Г
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21	24.9	29,0									Г				П		П		Г
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23	24.0	26,2			186										П		П		Г
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26	23.3	26.5			100										П		П		Г
27	23.3	27,2			-										П		П		
28	24,4	28,3											П		П		П		Г
29	25,1	29.0			7.00				П						П		П		Г
30	25,6	30.0							П				Г		П		П		
31	26.4	39.9	6:30 AM	2.83	0,22	0,14	1 hr								П		П		
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City:	City of So	outh	Bend										Page 2	2 of	11		F	erm	it Number:	INC	024520			
acility:	South Be	nd !	Municipa	l W	WTP					_			1,213	P	ublic Not	ifica	ation Requ	irem	ents Met?	Υ				
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City:	City of So	outh	Bend										Page	3 of	11		Р	em	nit Number	: IN	0024520			
Facility:	South Be	nd l	Municipa	al W	/WTP									P	ublic Noti	fica	tion Requi	ren	nents Met?	Υ			- uj"	
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Design	Peak Flow	(Ho	urly) (MG	D):	77		Design F	low	(MGD):		48		Measured	/Me	tered (M)	or E	stimated (E)	must be sp	ecif	ied			0
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City:	City of Sc						RONMENTAL						Page 4	4 of	11		ı	Perm	nit Number:	IN	0024520			
Facility:	South Be	nd N	/lunicipa	ıwı	WTP									Р	ublic Not	ifica	ntion Requ	iren	nents Met?	Υ		ξń	1-19	
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Design	Peak Flow	(Hou	rly) (MGI	0):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or Es	stimated (E) m	ust be spec	ifie	d			
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Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E		M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or	Time Discharge Began	M or E	Event Duration (Hours)	MorE	Event Discharge (MG)	M
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National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO)

Slate Form 55046 (R3 / 7-13)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT Pennit Number: IN0024520 City of South Bend Page 5 of 11 Public Notification Requirements Met? Y Facility: South Bend Municipal WWTP Check box if no CSO discharge occurred for the month: $\boldsymbol{\Box}$ Monitoring Period: October 2024 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. CSO Outfall No. Time Discharge Began Time Event Event Event Event Time Event Event Time Event Event Discharge or Duration E (Hours) Discharge Began Day of Month Duration (Hours) (MG) or Duration or E (Hours) E ischarg (MG) Duration Discharge (MG) Discharge Began (MG) (Hours) or E 1 2 3 4 5 6 7 8 9 10 11 12 13 14 0.17 12:15 PM E 11.75 E 0,02 4:10 AM M 1.00 M 15 12:00 AM E 24.00 E 0.03 16 12:00 AM E 24,00 E 0,03 17 12:00 AM E 11.75 E 0,02 18 19 20 21 22 23 24 25 26 27 28 29 30 31 De ys 71.50 0.17 0.00

Dry weather overflow happened from

10/14 to 10/17.



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

0.00

Totals:

2.83

0.02

10.20

0.76

7.57

0.02

State Form 50546 (R3 / 7-13) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT City of South Bend Page 6 of 11 Permit Number: IN0024520 Facility: South Bend Municipal WWTP Public Notification Requirements Met? Y Check box if no CSO discharge occurred for the month: \Box Monitoring Period: October 2024 Design Flow (MGD): Design Peak Flow (Hourly) (MGD): 77 48 Measured/Metered (M) or Estimated (E) must be specified CSO Outfall No. CSO Outfall No. 028 029 CSO Outfall No. CSO Outfall No. 031 Time Event Event Time Discharge Began Event Time Discharge Began Event Event Event Time Discharge Event Event Discharge Began (MG) or Duration E (Hours) Duration (Hours) Discharge (MG) or Duration E (Hours) Duration (Hours) or E (MG) or E or E or E (MG) or E Began 2 3 4 5 6 7 8 9 10 11 12 13 7:15 PM E 7:15 PM E 0.41 0.00 2.10 0.09 7:15 PM E 0.97 0.00 14 2:45 AM E 1.81 0.02 2:45 AM E 4.94 E 0.53 E 2:45 AM E 5.13 E 0,02 15 16 17 18 19 20 21 22 23 24 25 5:35 AM E E 5:35 AM E 2.37 E 5:35 AM E 1.10 E 0.46 0.00 0,10 0,00 26 27 28 29 30 0.00 E 31 9:25 AM E 9:25 AM E 0.15 E 0.79 E 0.03 9:25 AM E 0.37 E 0.00



City:	City of S	outh	Bend										Page	7 of	11			Perm	nit Number	: IN	0024520			
acility	South Be	end	Municip	al W	WTP								13X, 0 . "	F	ublic Not	ifica	ation Requ	iren	nents Met?	Υ	110			
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Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M	Time Discharge Began	Mor	Event Duration (Hours)	M or E	Event Discharge (MG)	Mor	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
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National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO)

State Form 50546 (R3 / 7-13)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT Page 8 of 11 Permit Number: IN0024520 City of South Bend Facility: South Bend Municipal WWTP Public Notification Requirements Met? Y Check box if no CSO discharge occurred for the month: $\hfill\Box$ October 2024 Monitoring Period: Design Flow (MGD): 48 Design Peak Flow (Hourly) (MGD): 77 Measured/Metered (M) or Estimated (E) must be specified CSO Outfall No. 039 CSO Outfall No. 040 CSO Outfall No. CSO Outfall No. Time Discharge Time Event Event Event Event Event Event Time Event Event Discharge Began Discharge Began Discharge Began Duration (Hours) Discharge (MG) or Duration E (Hours) Discharge (MG) Duration M (Hours) or E Discharge (MG) Duration (MG) Began (Hours) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 2:50 AM E 2.50 AM E 0.70 E 2.53 E 0.07 0.00 15 16 17 18 19 20 21 22 23 24 25 5:35 AM E 0.68 E 0.02 26 27 28 29 30 31

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City:	City of So			23141			RONMENTA		iii/ oelic	-			Page 9	of	11		E	Репт	it Number	: IN	0024520			
Facility	: South Be	nd l	Municipa	ıw	WTP									Р	ublic Not	ifica	ation Requ	iren	nents Met?	Y		ď		
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City:	City of Sc	outh	Bend										Page 1	0 of	11	_	F	em	it Number:	IN	0024520			
acility:	South Be	nd N	Junicipa	١w٧	NTP									F	ublic Not	ifica	ition Requ	iren	nents Met?	Υ	(area			r.
onitor	ing Period:	13	October		2024	1		ίž	HICTO	1					Chec	k b	ox if no C	so	discharge	ОС	curred fo	r th	month:	
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4		T		Г		T		Ħ						t				Г						Т
5		Т		Г		T		H		_				T						T				
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11						t		Н						t						\vdash				\vdash
12				Н		\vdash		Н						H		Н				H				\vdash
13	7:15 PM	-	3.59	E	0.00	E		Н						H						Н				H
14	2:45 AM		7.67	E	0.00	E		Н		Н				Н						Н		Н		H
15	2.45 AW	-	7.07	_	0.01	5		Н						H										
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17				Н		\vdash		Н						┢		\vdash		_		H		_		\vdash
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21		П				T		П						1				Н		H		Т		\vdash
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25	5:35 AM	E	4.04	E	0,00	E		Н						-						H				
26	J.JJ AIVI		4.04	_	0,00	=								1										
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29								H						-										-
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31	9:25 AM	F	1,35	F	0.00	E		H		-				-				-				-		-
otals:	9:25 AIVI	Day	16.65		0.01	I	0	Da ys	TO STATE		0.00		0	Da	3 33 6		0.00	(05)	0	Da ys	A COLOR		0.00	



City:	City of South Bend				Page: 11 of 11	Permit Number: IN0024520
Facility:	South Bend Municipal WWTP				Public Notific	ation Requirements Met? Y
Monitor	ing Period: October Year:	2024			Check box if no	CSO discharge occurred for the month:
Design I	Peak Hourly Flow (MGD):	77	Design Average Flow (MGD):	48		
Digy or Month	Comments (further expla	nation as	to why each CSO event occurred	1)		
1	2/2					
2						**************************************
3		-				
5						
6						
7						
8						
9						
10						
11						
12	Organizatelian Francis	,				
	Precipitation Event Observed Precipitation Event Observed					
15	Dry Weather Overflow At CS					
16	Dry Weather Overflow At CS		ii			
17	Dry Weather Overflow At CS	-				
18						
19						
20						
21						
22						
23 24						
25	Precipitation Event Observed	1				
26	TOGISTICATION EVENT OBSERVED					_
27						
28						
29						
30						
-	Precipitation Event Observed					Y
Typed o	r Printed Name and Title of Pri	incipal Exe	cutive Officer or Authorized Agent			Telephone
Kim Tho	mpson, Director of Wastewater					574-235-5969
		THAT THIS	DOCUMENT AND ALL ATTACHMEN	NTS WERE PE	REPARED UNDER MY DIREC	CTION OR SUPERVISION IN ACCORDANCE
						ATION SUBMITTED. BASED ON MY
						THE INFORMATION; THE INFORMATION THERE ARE SIGNIFICANT PENALTIES FOR
			THE POSSIBILITY OF FINE AND IMP			
	re of Principal Executive Office					Date (mm/dd/yy)
	1-Therm					11-22-24
ı d	I I War					11.0.0.0.1

Automated valve failure @ CSO 027 caused it to remain closed & restrict flow in throttle pipe.
Alternate pipe was blocked resulting in diversion at CSO027

CSO Public Notification - October

Day of Morton	Day of Week	Total Daily Precip. (brahes)	CSO Obscharge Volume (MG)	Notification Sent	Notes
	Tue	-			
2	Wed		-		
elalan 3 mana	Thu	- 2			
A LANGE TO SELECT THE	Fri	-	1 - 1		
5	Sat	- 1			
R	Sun				
To the second	Mon	1 1	-		
3	Tue	1 ×	-6		
91 44	Wed	4	*<		
10	Thu		1 2		
11 M. C.	Fri	-			
12	Sat	0.08	0.00	YES	Initial Notification Sent Due To Precipitation, But No Overflow
7-4-13	Sun	0.20	0.23	YES	
2002	Mon	0.53	2.21	YES	SEE SPECIAL NOTE FOR CSO 027 UNDER "OTHER CSOs" BELOW. There was a dry weather overflow at CSO 027 from the 14th to 11:45 am on the 17th.
16	Tue	0.01	0.03	YES	
16	Wed] -	0.03	YES	
17	Thu		0.02	YES	
18	Fri	-	-		
下 19 %	Sat		-		
20	Sun	4:	1 -		
2100 49	Mon	-	-	Ĺ	
22	Tue	-	1	li	
23	Wed		1		
24	Thu		,	1	
25	Fri	0.32	0.40	YES	
26	Sat	- 5	8		
27	Sun	-6			
728	Mon	- 4/	1		
29	Tue	-4			
30	Wed	-	4		
31	Thu	0.22	0.11	YES	

Notes

Average Daily Flow Peak Hourly Flow

Average value of 5-min WWTP flow data

Precipitation Duration Total Daily Precipitation Peak Intensity

Maximum value of the rolling hourly average flow rate Time Precipitation Began First precipitation recorded between the six rain gauges Cumulative duration of all precipitation for the day Maximum value of precipitation for all the six rain gauges

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

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.

CSO 037 had periods where it wasn't working. The Matrix of Storms was used to calculate overflows during these periods.

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

SPECIAL NOTE FOR CSO 027

Wet weather occurred the morning of 10/14, but did not result in an overflow at CSO 027. A CCTV inspection conducted on 10/17 showed that a Dry Weather Overflow was occurring at CSO 027. It is not known exactly when the overflow started, but it is assumed that the overflow began on the 14th unrelated to wet weather. Maintenance was done to end the DWO the 17th as soon as it was found,

Rain Gauges

Used the following rain gauges data in the CSO MRO: Colfax, Ethanol, Vaness, Southfield, WWTP and

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



National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO) Slate Form 50546 (R3 / 7-13)

Facility			1						_	Page	1 of	11	_	F	erm	it Number:	IN	0024520	
-	: South Be	nd Munic	ipal WWTP								F	Public No	tific	ation Requ	irem	nents Met?	Y	188	n
Monito	ring Period	i: No	vember	2024	1 45			- 1	3		Ch	eck box i	f no	CSO disch	arg	e occurred	for	the month	
Design	Peak Hou	rly Flow (I	MGD):	77	Design Av	erage Flow	(MGD):	48		Measured	Met	ered (M)	or E	stimated (E) mi	ust be spec	cifie	1	
WWT	Pinfluent	Data	179811-0	Pr	ecipitation E	ata			C	SO Outfall	No.	001			С	SO 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)	Measureme nt interval (hr, 30 m, 15 m)	Time Discharge Began	M of E	Event Duration (Hours)	M or E	Event Discharg e (MG)	M of E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M
1	23,9	26.9			- 54														
2	23.6	27.6																	
3	23,6	27.8			- 5														
4	34.9	73,2	1:25 AM	6,50	0.71	0.18	1 hr	3:25 AM	E	1:17	E	0.08	Е	3:25 AM	Е	0,52	Е	0,00	E
5	35.0	71_3	12:00 AM	4,50	0.64	0.30	1 hr	2:15 AM	E	1.01	E	0.06	Е	2:15 AM	Е	0.19	E	0.00	E
6	25,5	42,4			- 12														
7	24,9	29.0																	
8	24.4	27.7																	
9	23.9	28.9			14														
10	30.2	59.3	1:20 AM	3.75	0.41	0.24	1 hr	3:30 AM	E	0.07	E	0,00	Е						
11	23,8	26.1																	
12	23.7	37.6			ie.														
13	26.3	53.0	7:35 PM	3,25	0,28	0,15	1 hr	9:35 PM	E	0.04	E	0.00	Е						
14	27.3	52.5	12:10 AM	4,33	0,16	0.04	1 hr												
15	25,0	27.8	4:20 AM	0.17	0.02	0.01	1 hr												
16	24.2	28.4			-														
17	24.1	28.1									L								
18	29.5	47.2	12:50 PM	5.25	0.29	0.09	1 hr	3:50 PM	Ε	0.04	E	0,00	Е						
19	30.2	48.4	2:20 AM	3.08	0,25	0,18	1 hr												
20	27,3	48,3	9:25 AM	1,42	0,16	0,14	1 hr												
21	25,5	31,8	3:00 AM	2,42	0.09	0.04	1 hr												
22	27.9	43.5	6:25 AM	3,83	0.16	0.06	1 hr												
23	24.1	27.6	5:05 AM	0.17	0.01	0.01	1 hr												
24	24,3	28.9			- %														
25	25,0	27.7	7:05 PM	0.17	0.01	0.01	1 hr												
28	25,0	28.9			Se.														
27	24.7	29.1			:4														
28	23.0	26.9			- 12														
29	22,3	26.1																	
30	22.8	28.0																	
Totals:	775.5		5.5	38.83	3.19			5	Da ya	2.33	M	0.15		2	Da ys	0.71		0.00	Щ
Typed o	r Printed I	Name and	Title of Prin	cipal Exec	utive Officer	or Author	rized Agent	N 3						Telephone					W.
I CERTI WITH A INQUIR' SUBMIT SUBMIT	FY UNDER SYSTEM I Y OF THE I TED IS, TO TING FAL	PENALT DESIGNED PERSONS O THE BE SE INFOR	Vastewater Y OF LAW T D TO ASSUR S WHO MANA ST OF MY K MATION, INC utive Officer	RE THAT QUAGE THE S NOWLEDG CLUDING T	JALIFIED PE SYSTEM OR SE AND BEL THE POSSIB	ERSONNE THOSE PE IEF, TRUE	L PROPERL ERSONS DIF , ACCURATI	Y GATHER RECTLY RE: E, AND COM	ANI SPC	DEVALUA ⁻ DNSIBLE FO ETE. I AM	TE T OR (AW	HE INFO	RMA NG NT T	ATION SUB THE INFOR HERE ARE	MAT MAT SIG	TED. BASE TION; THE GNIFICANT	D O	N MY DRMATION	1



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

City:	City of So	uth	Bend	_				_				_	Page 2	of	11	_	F	erπ	nit Number:	łN	0024520	_		_
acility:	South Be	nd N	/lunicipa	I W	WTP					_				F	ublic No	tific	ation Requ	iren	nents Met?	Υ	34.5			
onitor	ing Period:		Novemb	ber	2024								4141		Che	ck t	oox if no (so	discharge	00	curred f	or th	e month	: C
Design	Peak Flow	(Hor	ırty) (MGI	D):	77		Design F	ow	(MGD):	Ы,	48	_	Measured/	Met	ered (M)	or E	stimated (E	E) m	ust be spec	ifie	đ	k		Щ
		CS	O Outfall	No.	003		170	cs	O Outfall	No.	004			cs	O Outfall	No.	006			CS	SO Outfall	No.	007	
Day of Month	Time Discharge Began	MorE	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	Event Discharge (MG)	2 6
1						П		Π						Γ		Г		П		Г		П		T
2						П		П						Г		Г				T				T
3						П		П				Г		Г		Г								T
4		П				П		П					7:40 AM	м	1,67	м	0.08	E	6:10 AM	E	0,11	Ε	0.00	E
5		П				П		П					1:35 AM		1,17	м	0.16	E						T
6						П								Г		Г						П		T
7								Г						Г		Г								1
8																								T
9																								T
10													4:05 AM	м	0.58	М	0.04	Е						
11																								
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30						L		L						L						L				
otals:	0	Da ys			0.00		0	Da ys			0.00		3	De ys	3.42		0.28		2	Da	0.61		0.06	

*Dry Weather Overflow on 27th



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 So	uth	Bend							_		_	Page 3	3 of	11	_	Р	erm	ilt Number:	IN	0024520	_		
acility:	South Bei	nd N	/lunicipa	ıl W	WTP					_				Pt	ıblic Notif	fica	tion Requi	ren	nents Met?	Y			3/14	
onitor	ing Period:		Novemb	ber	2024										Chec	k b	ox If no C	so	discharge	e 00	curred 1	or th	e month	<u> </u>
Design	Peak Flow (Hou	ırly) (MGI	D):	77		Design Fl	wo	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) (must be sp	ecif	ed		14.5	
		csc	Outfall I	No.	800	16		csc	Outfall	No.	010		4.4	cs	Outfall (No.	11A			С	SO Outfal	l No.	11B	
Day of	Time Discharge	Mor	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	M	Event Discharge	M		M	Event Duration		Event Discharge	
Month	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	E
1		H		Н		H		H		H		H		H		H		H		\vdash		Н		╁
3		Н		Н		H	-	Н		H	-	H		H		H		H		\vdash		H		╁
		Н		H		H	-	Н	-	H		H		H		H		H		H				t
4	6:10 AM		9.74	E.	0.10	E	1	E	4.89	Ε	0.11	Ε.		⊢		H		H	6:10 AM	П	4.55	E	0.66	E
5	2:00 AM	E	8,63	Ε	0.09	E	2:00 AM	E	4.42	E	0.09	E		\vdash		H		H	2:00 AM	F	4.07	E	0.53	F
7		Н		Н		+		H				H		\vdash		\vdash		H		+		\vdash		+
8		Н		H		+		H				H		H		H		H		H		H		t
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10	0.05.414	E	0.77	-	0.07	t	2.05.444	-	2.07	E	0.07	E	1	H		H		t	3:25 AM	-	3.29	E	0.34	E
11	3:25 AM	С	6.77	E	0.07	E	3:25 AM	=	3,67	-	0.07	Ė		t		T		T	3.23 AIVI	Ť	5,25	-	0.54	Ť
12				Н		t		H		-		H		t		T		T		T		\vdash		t
13	9:40 PM	_	2.33	E	0.02	┢	9:40 PM	F	2.33	E	0.03	E		T		T		T	9:40 PM	E	2.33	E	0,14	E
14	12:00 AM		4.00	E	0.02	F	12:00 AM		0.59	E	0.01	Ē		T		T		T	12:00 AN	Т	0.18	E	0.01	E
15	12.00 AW	Ė	4.00	Ť	0.02	Ť	12.00 / 111	Ť	0.00	-	0.01	Ť				Г								
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18	2:50 PM	Е	4.71	E	0.04	E	2:50 PM	E	2.83	E	0.03	E		T		Г		Г	2:50 PM	E	2.42	Е	0,13	E
19	4:30 AM		3.02	Ε	0.02	E	4:30 AM		1.27	E	0,01	E							4:30 AM	E	1.08	E	0.05	E
20	11:40 AM	E	1.53	E	0.00	E														L				L
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22	8:25 AM	E	1.75	E	0.00	E	8:25 AM	Ε	0.00	E	0.00	E				L		L	8:25 AM	E	0.00	E	0.00	E
23																				L				
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55.1				L						L		L				L		L		10				
Totals:	10	Da ys	42.70		0.36		8	Da ys	20.00		0.36		0	De ys			0.00		8	De	17.92		1.87	



_	City of Sc	utn	Bena										Page 4	4 of	11			Pern	nit Number:	IN	0024520	_		_
acility	South Be	nd M	/lunicipa	ıl W	WTP									Р	ublic No	tifica	ation Requ	iren	nents Met?	Υ				
onitor	ing Period:	T	Novem	ber	2024	1				Ľ		H		0	Chec	k b	ox If no C	cso	discharge	00	curred fo	or th	e month	: [
esign	Peak Flow	(Hou	ırly) (MGI	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) n	ust be spe	cifie	d			
		CS	O Outfall	No.	014			CS	O Outfall	No.	018			cs	O Outfall	No.	019	Ü	A DE	C	SO Outfal	No.	021	I
Day of Month	Time Discharge Began	M or	Event Duration (Hours)	M or E	Event Discharge (MG)	M	Time Discharge Began	MOTE	Event Duration (Hours)	M or E	Event Discharge (MG)	M of E	Time Discharge Began	M or E	Event Duration (Hours)	Mor	Event Discharge (MG)	M or E	Time Discharge Begen	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	or M
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2		П		Т		T		T		Г		Г				T		H		t	-	Н		+
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4	6:10 AM	E	1.03	E	0.05	E	6:10 AM	E	6.60	E	0.24	E	3:40 AM	F	1.34	E	0.03	E	3 40 AM	F	0,32	E	0,00	E
5	2:00 AM	П	0.80	E	0.04	E	2:00 AM	\vdash	5.27	E	0.18	E	2:00 AM		0.42	E	0.01	E	0 10 7 111	Ť	0,02	Ī	0,00	T
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10	3:25 AM	Е	0.44	Е	0.02	E	3:25 AM	Ε	2.90	E	0.10	Е	3:20 AM	E	0.30	E	0.00	E						
11																								
12		Ш				L																		
13	9:40 PM	Ε	0.08	E	0.00	E	9:40 PM	E	0,53	E	0.02	Ë	9:40 PM	E	0.03	E	0.00	E						
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18	2:50 PM	E	0.04	E	0.00	E	2:50 PM	E	0.26	E	0.01	Ë	3:05 PM	E	0.12	E	0.00	E		L				\perp
19		Н		L		H		L		_		L		_		_		╀		L		L		╄
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21		Н				H		H				L		_		-		1		-				+
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National Pollutant Discharge Elimination System (NPDES)

CSO Monthly Report of Operation (CSO MRO)
State Form 55046 (R3 / 7-13)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

	0 4 0											_	Page 5			-		-111	it Number:					_
-51	South Be	nd f	Municipa	al W	WTP									Р	ublic Noti	ifica	tion Requ	iren	nents Met?	Υ		d		W
Nonitor	Ing Period:		Novem	=23	2024					8					Chec	k be	ox if no C	so	discharge	oc	curred fo	or th	e month:	. [
Design	Peak Flow	(Hou	urly) (MG	D):	77		Design Fi	ow	(MGD):		48		Measured/	Met	ered (M) o	or Es	stimated (E) m	ust be spec	cifie	d	-		
		cs	O Outfall	No.	022	B		cs	O Outfall	No.	025	H	Maria In	cs	O Outfall I	No.	026			C	O Outfal	No.	027	10
Day of	Thme Discharge	M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	M	Event Discharge	Mor	Time Discharge	M	Event Duration	M or	Event Discharge	M	Time Discharge	M	Event Duration	М	Event Discharge	
Month	Began	E	(Hours)	E	(MG)	Ε	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	or t
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City:	City of Sc	outh	Bend										Page (of	11		1	Perm	nit Number:	IN	0024520			
acility	South Be	nd f	Municipa	ıl W	WTP									F	ublic Not	ifica	ation Requ	irer	nents Met7	Y		h	144	ij
Monitor	ing Period:		Novemi	ber	2024				BIN.		/ <u>-</u> 1				Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month:	
Design	Peak Flow	(Hou	urly) (MGI	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) n	nust be spec	ifie	d	a.	, iii	b
		CS	O Outfall	No.	028			cs	O Outfall	No.	029	Ų,		cs	O Outfall	No.	031	-1		C	SO Outfal	l No.	033	TR
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M	Event Discharge (MG)	MorE	Time Discharge Began	MorE	Event Duration (Hours)	M or E	Event Discharge (MG)	Mor	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	Event Discharge (MG)	M
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4	6:10 AM	F	0.03	E	0.00	E	6:10 AM	E	2,17	E	0.02	E	6:10 AM	E	5.56	E	0.67	E	6:10 AM	F	6.35	E	0.02	E
5		Ħ	0.00	Ī	0.00	Ť	2:00 AM		1,87	E	0.02	E	2:00 AM		5.02	E	0.55	E	2:00 AM	Т	5.32	E	0.02	E
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10						Π	3:25 AM	Е	1.33	E	0.01	E	3:25 AM	E	4.30	E	0,37	E	3:25 AM	E	3.64	E	0,01	E
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13							9:40 PM	E	0.79	Ε	0,00	E	9:40 PM	E	2,33	Ε	0,12	E	9:40 PM	E	1.96	E	0,00	E
14						L	2:15 AM	E	0.00	E	0,00	E	12:00 AM	E	1.25	E	0.07	E	2:15 AM	E	0.00	E	0.00	E
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fotals:	1	Da ys	0.03		0.00		8	Dis ys	7.20		0.05		8	Da ya	23.54		2.02		8	уъ	19.77		0.05	



National Pollutant Discharge Elimination System (NPDES)

CSO Monthly Report of Operation (CSO MRO)
State Form 55046 (R3 / 7-13)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City:	City of Sc	uth	Bend						_				Page :	of	11		18.00	Perm	nit Number:	: IN	0024520	_		_
acility	South Be	nd N	/lunicipa	l W	WTP									P	ublic Noti	ifica	ation Requ	iren	nents Met?	Υ	. 35			
Monitor	ing Period:		Novemi	ber	2024		1,20%			ij					Chec	k b	ox if no C	so	discharge	9 00	curred fo	or th	e month:	
Design	Peak Flow	(Hou	ırly) (MGI	D):	77		Design Fl	ow	(MGD):	S	48		Measured/	Met	ered (M) o	r E	stimated (E) m	ust be spe	cifie	ed	Jľ		
		CS	O Outfall	No.	035			cs	O Outfall	No.	036			cs	O Outfall	No.	037			C	SO Outfall	No.	038	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M	Event Discharge (MG)	M	Time Discherge Began	M	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	Mor	Event Duration (Hours)	MorE	Event Discharge (MG)	M
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3		П				T		T		Г				T						T				T
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5	2:00 AM	ΠI	8,20	E	0.11	E	2:00 AM	E	2.07	E	0.01	E						T		T				T
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8		П				T		Г												Т				
9		П						Γ		Г				Γ						Г				
10	3:25 AM	E	6.91	E	0.08	E	3:25 AM	E	1.14	E	0.00	E	3:25 AM	E	2.45	E	0,33	E		Т				
11		П				Г		Γ		Г														
12		П						Γ												Г				
13	9:40 PM	Е	2,33	Е	0.02	E	9:40 PM	E	0.21	E	0.00	E	9:40 PM	E	0.61	E	0.08	E						
14	12:00 AM	E	2.58	E	0.03	E														L				
15						L								L						L				L
16						L								L										L
17										L										L				L
18	2:50 PM	E	5.48	E	0.04	E	2:50 PM	Е	0,10	E	0.00	E	2:55 PM	E	0.61	E	0.08	E		L				1
19	4:30 AM	E	2.64	E	0.02	E		L		L				L		L				L		L		┖
20	11:40 AM	E	0.29	E	0.00	E		L						L		L				L		L		Ļ
21	2:25 PM	E	0.04	E	0.00	E		L						L					ļ	L		L		Ļ
22	8:25 AM	E	0.33	E	0.00	E		L						_		_				L			-	1
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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 So	outh	Bend										Page 8	of	11	_		Perm	nit Number:	IN	0024520			
acility	South Be	nd	Municipa	al W	WTP									P	ublic Not	ifica	ation Requ	iren	nents Met?	Y	-0			
Monitor	ing Period		Novem	ber	2024		8 8	16			A V	X			Chec	k b	ox if no C	so	discharge	00	curred fo	or th	e month:	
Design	Peak Flow	(Ho	uriy) (MG	D):	77		Design F	low	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) rr	ust be spe	cifie	ed	6		
		cs	O Outfall	No.	039			CS	O Outfall	No.	040	168	(Jan. 188	cs	O Outfall	No.	041			C	SO Outfall	No.	042	J.R
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	MorE	Event Discharge (MG)	M or E	Time Discharge Began	M	Event Duration (Hours)	M or E	Event Discharge (MG)	Mor	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	More	Event Duration (Hours)	M or E	Event Discharge (MG)	M
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5	2:00 AM	\Box	1.35	E	0.03	E	2:00 AM	т	0.31	E	0.01	E	3.40 AW	-	1,22	-	0.01	1		t		Н		H
6	2.00 AW	┢	1,00	-	0.00	۲	2.00 AW	广	0.31	-	0.01	-		-		T		H		t		Н		H
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Totals:	5	Da ys	5.87		0.18		2	Da ys	0.97		0.02		1	Cia ya	1.22		0.01		0	Da ya	La III	1013	0.00	



City:	City of So	uth	Bend										Page !	9 of	11			Pern	nit Number	: IN	0024520			
Facility	:South Be	nd	Municipa	al W	WTP									F	ublic No	tifica	ation Requ	iren	nents Met?	Y				39
Monito	ring Period:	B	Novem	ber	2024				العراة			4			Chec	k b	ox if no (cso	discharge	9 00	curred fo	or th	e month:	
Design	Peak Flow	(Hou	ırly) (MG	D):	77		Design Fl	low	(MGD):		48		Measured/	Met	W. 1		90 111		ust be spe					
		cs	O Outfall	No.	044	I	Mary Par	cs	O Outfall	No.	045			cs	O Outfall	No.	048			С	SO Outfall	No.	049	B
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M of E	Event Discharge (MG)	Mor	Time Discharge Began	Mor	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	Mor	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	Mor	Event Duration (Hours)	M or E	Event Discharge (MG)	M
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City:	City of Sc	outh	Bend										Page 1	0 of	11		F	ern	nit Number:	IN	0024520			
acility	South Be	nd N	/unicipa	١w١	NTP									P	ublic Noti	fica	tion Requ	iren	nents Met?	Y			SULD.	3
Monitor	ing Period:		Novemb	er	2024				Vet	8					Chec	k b	ox if no C	so	discharge	OC	curred fo	or th	e month:	. 🗆
Design	Peak Flow	(Hou	ırly) (MGE)):	77		Design Fl	low	(MGD):		48		Measured/	Met	ered (M) a	r E	stimated (E) m	ust be spe	:Hie	d		Lyav	
(H	ė.	cs	O Outfall	No.	060	53		cs	O Outfall	No.			1200	cs	O Outfall	No.	[#]	90		C	SO Outfall	No.	[#]	
Day of	Time Discharge	M	Event Duration	M	Event Discharge			M	Event Duration	M	Event Discharge	M	Time Discharge	M		M	Event Discharge	M	Time Discharge	M	Event Duration		Event Discharge	
Month	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	or
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Totals:	8	Day	36.16		0.02	13	0	Da ys			0.00		0	Da ys			0.00		0	Da	ing ji		0.00	T



City:	City of South Bend				Page: 11 of 11	Permit Number: IN0024520
Facility:	South Bend Municipal WWTP				Public Notific	ation Requirements Met? Y
Monitor	ing Period: November Year:	2024			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 explar	nation as	to why each CSO event occurre	d)		
1						
2						
3						
4	Precipitation Event Observed					
5	Precipitation Event Observed					
7	<u> </u>					
8	-					
9						
10	Precipitation Event Observed					
11	Toughtaner Event Superven					
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13	Precipitation Event Observed					
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18	Precipitation Event Observed					
19 20	Precipitation Event Observed Precipitation Event Observed					
21	Precipitation Event Observed	_				
22	Precipitation Event Observed					
23	Precipitation Event Observed					
24						
25						
26						
27	Dry Weather Overflow at CSC	007				
28						
29						
30						
Typed c	or Printed Name and Title of Prin	ncipal Exe	cutive Officer or Authorized Agent			Telephone
	mpson Director of Wastewater					574-235-5969
						CTION OR SUPERVISION IN ACCORDANCE
						ATION SUBMITTED, BASED ON MY
INQUIR'	Y OF THE PERSONS WHO MAN	AGE THE	SYSIEM OR THOSE PERSONS DIR	ECTLY RESP	UNSIBLE FUR GATHERING	THE INFORMATION; THE INFORMATION THERE ARE SIGNIFICANT PENALTIES FOR
			THE POSSIBILITY OF FINE AND IM			
	re of Paincipal Executive Office			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	. S. MOMING VIOLATION	Date (mm/dd/yy)
7			urea vilent			12-19-24
a	1 morp					1 12 17 29

Bypass pumps used by contractor during River Crossing 4 repair ceased during refueling and caused DWO @ CSO 007.

CSO Public Notification - November

Day of Month	Day of Week	Total Daily Precip. (inches)	CSO Discharge Volume (MG)	Notification Sent	Notes
	Fri	/,€:	1-		1/-10/10
2	Sat	200	- 1		
3	Sun		Ĩ.		
4	Mon	0.71	3,63	YES	
5	Tue	0.64	2.72	YES	
6	Wed	(4)	- 2		
7	Thu	188	- 2		
8	Fri	(+1			
9	Sat	161	120		
10	Sun	0.41	1.96	YES	
11	Mon				
12	Tue	323	21		
13	Wed	0.28	0,56	YES	Overflow on the 13th continued past midnight into the
14	Thu	0.16	0.15	YES	14th
15	Fri	0.02	0.00		
16	Sat				
17	Sun	573	37.		
18	Mon	0.29	0.63	YES	
19	Tue	0.25	0.45	YES	
20	Wed	0.16	0.04	YES	
21	Thu	0.09	0,00	YES	<10,000 Gallons
22	Fri	0.16	0.01	YES	
23	Sat	0.01	0.00		
24	Sun	75 8 5	(#)		
25	Mon	0.01	0.00		
26	Tue	12	1.27		
27	Wed	10.00	0.06	YES	Dry Weather Overflow at CSO 007
28	Thu	: *:	(+):		
29	Fri	141	540		
30	Sat		-		

Notes

Average Daily Flow

Average value of 5-min WWTP flow data

Peak Hourly Flow Precipitation Duration Total Daily Precipitation

Maximum value of the rolling hourly average flow rate Time Precipitation Began First precipitation recorded between the six rain gauges Cumulative duration of all precipitation for the day 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

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 sensors at CSO 006 and 037 failed during various periods of this month: The Matrix of Storms was used to calculate overflows during these periods.

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

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



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

City:	City of So		DEPARTMENT	OF ENVIRO	ONMENTAL M.	ANAGEMEN	ŧT.			Page	1 of	11		F	erm	it Number:	IN	0024520	
Facility	: South Bei	nd Munic	ipal WWTP							3 3	THE S	SUSTAN	tific	ation Requ	yEr"	1900 W	100	Vent.	13
1.7	ing Period		cember	2024			A Carl	5 7 37			-		-	CSO disch			_	the month	. 🗆
	Peak Hour		MGD):	77	Design Ave	erage Flow	(MGD):	48		Measured			-	stimated (E	74		IZ.	30 to 10 to	
	P Influent	1 6 8		100	ecipitation D	W. C.			С	SO Outfall	-	001	(d)		1 50	SO Outfall	1923	002	ì
Day of Month	Average Daily Flow (MGD)	Hourly Flow (MGD)	Precip. Began (am/pm)	Precip. Duration (Hours)	Total Daily Precip. (Inches)	Peak Intensity (Inch/hr)	measureme at interval (hr, 30 m, 15 m)	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharg e (MG)	M	Time Discharge Began	M or E	Event Duration (Hours)	Mor	Event	M
1	22.8	26.4							Ī										T
2	24,3	27,3															Т		T
3	24,3	26,9			*				Г				Ī		Г		П		T
4	24,1	27,8			E:				Г								Г		
5	24,0	27.0	6:50 AM	2,33	0,11	0,03	1 hr		П										
6	24.2	28.1			- 10						П		Г				П		
7	24,4	29,5			- 2						П								T
8	25.0	29,0			2						Г								
9	24,7	28,0	1:55 AM	0,83	0,03	0,02	1 hr				П						П		
10	24.3	27,9			-0														Т
11	24.0	27,1			- 42														
12	23.7	29.4																	
13	23.4	27.9									Г								
14	24.4	38.8	7:55 PM	3.50	0.18	0.08	1 hr												
15	32.8	69.3	12:00 AM	3,92	0.34	0.14	1 hr												
16	26.0	36,0	6:00 AM	2,25	0.13	0.10	1 hr												
17	24.4	26,9			*														
18	24.6	28,1			25														
19	24.2	27.6	9:45 PM	0,17	0,02	0,01	1 hr										П		
20	25,6	34.0	12:00 AM	3,67	0,14	0.04	1 hr												
21	23.9	27.2			*														
22	23,1	27.2			-														
23	23,0	26.2																	
24	22,3	26,1			*														
25	21,1	23,8			¥														
26	22,8	26,8	2:00 AM	0,17	0,01	0,01	1 hr												
27	24.5	32,6	1:10 AM	3,92	0,18	0,05	1 hr												
28	23.4	29.7	12:30 AM	0.50	0.02	0.02	1 hr												
29	62,1	81.4	2:55 AM	16.75	1,58	0.22	1 hr	5:10 AM	Е	3,15	Е	0,58	Е	5:10 AM	Е	5,02	E	0.41	E
30	29,5	46.0																	
31	30,1	42.7	7:00 AM	5,17	0,18	0,04	1 hr												
Totals:	801.0			43.17	2.92			1	Da ye	3.15		0.58		1	De ys	5.02		0.41	I
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City:	City of So	outh	Bend										Page 2	of	11		F	Perm	it Number:	IN	0024520			
acility:	South Be	nd N	/lunicipa	l W	WTP									P	ublic No	tifica	tion Requ	irem	ents Met?	Υ				33
Monitor	ing Period:	2	Decemb	ber	2024			40					100	49	Che	ck b	ox if no C	so	discharge	oc	curred f	or th	e month:	
Design	Peak Flow	(Hou	urly) (MGI	D):	77		Design Fi	ow	(MGD):	5	48		Measured/	Met	ered (M)	or Es	stimated (E	E) m	ust be spec	ifie	d	811		1
	ilo:	CS	O Outfall	No.	003			cs	O Outfall	No.	004			CS	O Outfall	No.	006			CS	O Outfal	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	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M
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City:	City of So			-		-		_					Page :	9.5	01				nit Number:		JU2452U	9 3		
acility:	South Ber	nd N	/lunicipa	I W	WTP									Pt	_	_	-	_	nents Met?					
fonitor	ng Period:		Decemb	per	2024			٥.	1,55		1,533				Chec	k b	ox if no C	csc	discharge	9 00	curred 1	or th	e month	: L
Design I	Peak Flow (Hou	irty) (MGI	D):	77		Design Fl	wo	(MGD):		48	_	Measured	/Met	ered (M)	or E	stimated	(E)	must be spe	ecifi	ed		27.71	
7		csc	Outfall I	No.	800			cs	Outfall	No.	010		(TAXELLE)	CS	Outfall	No.	11A	-		C	O Outfal	I 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 of E	Time Discharge Began	M or E	Event Duration (Hours)	or E	Event Discharge (MG)	M	Discharge	M or E	Event Duration (Hours)		Event Discharge (MG)	e or
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15	10:10 PM		1.83	E	0,00	E			0,21	$\overline{}$	0.00	1	-	t		H		t		1		E	0.13	E
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29	4:55 AM	E	14.67	Е	0.28	E	4:55 AM	Ε	9.61	Ε	0.33	E		+		+		+	4:55 AM	E	8,96	E	2,17	E
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Totals:	7	Da ys	26.57		0.34	18	4	ys			0.38		0	ys.	13-00		0.00		4	76	12.10		2.33	



City:	City of So	outh	Bend										Page 4	4 of	11			Perm	nit Number:	IN	0024520			
Facility:	South Bei	nd N	/lunicipa	al W	WTP								MATE.	P	ublic No	ifica	ition Requ	irer	nents Met?	Y	100			
Monitor	Ing Period:	ud,	Decem	ber	2024								2 10		Chec	k b	ox if no C	cso	discharge	oc	curred fo	or th	e month:	
Design 1	Peak Flow	(Hou	rfy) (MG	D):	77		Design Fl	ow	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) n	nust be spe	cifie	d			
	18 - 111	CS	O Outfall	No.	014		Harry Harry	cs	O Outfall	No.	018			cs	O Outfall	No.	019		1 93	C	SO Outfal	l 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)	or E	Event Discharge (MG)	M or E		M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)		Event Discharge (MG)	Morl
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City:	City of So	=					RONMENTA						Page	5 of	11		19	erπ	ilt Number:	iNe	0024520			
acility:	South Bei	nd N	/lunicipa	ı W	WTP									P	ublic Not	ifica	ition Requ	iren	nents Met?	Υ			To No	18
	ing Perlod:		Decemi		2024			2		ň					Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month:	
Design I	Peak Flow	(Hou	ırly) (MGI	D):	77		Design F	low	(MGD):		48		Measured	Met	ered (M) d	or E	stimated (E) m	ust be spec	ifie	d		Mary	
		CS	O Outfall	No.	022		E B	cs	O Outfall	No.	025	lli		cs	O Outfall	No.	026			CS	O Outfall	No.	027	18
Day of Month	Time Discharge Begen	M	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
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6		П		Г		T		П					1	Т		T		Г		T		П		T
7				г		T		П						T		Г				Τ				T
8		Н				T		T										П						
9		П		Г		T		T										П						T
10		Н		П		T		T		T		Т		T		T				T		П		T
11		Н		Г		T		H		Т		\vdash		T		T		П		T				T
12		П		Т		T		T								T		Г						T
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14		П	_	Т		T		T		Г		Г		T		Г		Г		T				Т
15	2:20 AM	M	2.17	м	0,48	E		T						T		T				T		П		T
16	7:50 AM	П	0.33	м	0,04	Ē		T		Г				T		Т						П		T
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Totals:	3	Da ya	16.67		5.37		0	Da			0.00		0	Da ys	0,700		0.00	100	1	Da ys		İ	0.45	T



City:	City of So	outh	Bend										Page (of	11			Perm	it Number:	IN	0024520			
acility:	South Be	nd f	Municip	al W	WTP									P	ublic Not	dfica	tion Requ	iren	nents Met?	Υ	100 Hz		. 31.	
Monitor	ing Perlod:		Decem	ber	2024							Ď,			Chec	k b	ox If no C	so	discharge	00	curred fo	or th	e month	; D
Design	Peak Flow	(Hou	urly) (MG	D):	77		Design Fl	low	(MGD):		48	_	Measured/	Met	ered (M)	or E	stimated (E) m	ust be spec	cifie	d		AS DEV	
	200	cs	O Outfall	No.	028			CS	O Outfall	No.	029	W		cs	O Outfall	No.	031			C	SO Outfall	No.	033	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M		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	Event Discharge (MG)	M or	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M
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13		П		Г		T		Т		Г		Г		Г		Г		П		T		П		T
14		П				T	10:10 PM	E	0.05	E	0.00	E	10:10 PM	F	0.26	Ε	0.01	E	10:10 PM	E	0,12	E	0.00	E
15		П				T	2:05 AM	$\overline{}$	0.73	E	0.00	E	2:05 AM	Т	3.50	E	0.17	E	2:05 AM		1.77	E	0.00	E
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26				П				Г										П				Г		T
27						Т	3:10 PM	E	0.15	E	0.00	E	3:10 PM	E	0.79	E	0.03	E	3:10 PM	E	0.37	E	0.00	E
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29	4:55 AM	E	2.11	E	0.05	E	4:55 AM	E	3.89	E	0.08	E	4:55 AM	F	12.56	E	2.07	E	4:55 AM	F	12.26	É	0.07	E
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Totals:	1	Da ys	2.11		0.05		4	Da ya	4.82	m	0.08	137	4	Da ys	17.11	100	2.29		4	Da	14.52		0.07	



City:	City of So						RONMENTA						Page 1	7 of	11		0 1	Perm	nit Number:	: IN	0024520			
Facility:	South Bei	nd l	/Junicipa	al W	WTP								MEE.	Р	ublic No	tifica	ation Requ	ilren	nents Met?	Υ	1713		200	48
Monitor	ing Period:		Decem	ber	2024			5				V		Ĭ	Che	ck b	ox if no C	cso	discharge	9 00	curred fo	or th	e month:	
Design	Peak Flow	Hou	ırly) (MG	D):	77		Design Fl	low	(MGD):	B	48		Measured/	Met	ered (M)	or E	stimated (E) m	ust be spe	cifie	ed			100
		cs	O Outfall	No.	035		MIB	cs	O Outfall	No.	036			cs	O Outfall	No.	037			C	SO Outfal	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		M or E	Event Discharge (MG)	M or E
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30				L		Ц														1				L
31	10:10 AM		0.21	Ε	0.00	E										L				In-			1	
Totals:	7	Do ys	23.85	100	0.38		2	Da ys	4.48		0.04	15	1	Da ys	2.50	-	0.11		0	De ys			0.00	



Day of Disch Beg 1 2 3 4 5 6 6 7 8 8 9 10 11 12 13 14	Period:	CS6	Decemination (Hours)	ber D): No.	WTP 2024 77 039 Event Discharge (MG)	M	Design F Time Discharge Begen	Or I	(MGD): O Outfall Event Duration (Hours)	No.	48 040 Event Discharge (MG)	More	Measured// Time Discharga Began	Mete	Chec	k bo	ox if no C	so	ents Met? discharge ust be spec Time Discharge Began	occ	O Outfali	No.	9 month: 042 Event Discharge (MG)	Mort
Design Peak F Day of Month Disch Beg 1	Flow (I)	M or E	Priy) (MG D Outfall Event Duration (Hours)	D): No.	039 Event	or	Time Discharge	CS M or	O Outfall Event Duration	M	040 Event Discharge	or	Time Discharge	CSC M or	O Outfall Event Duration	No.	041 Event	E) m	ust be spec	CS M or	O Outfali	No.	042 Event Discharge	м
Day of Disch Beg 1	((ime charge gegan	CSG M or E	Outfall Event Duration (Hours)	No.	039 Event Discharge	or	Time Discharge	CS M or	O Outfall Event Duration	M	040 Event Discharge	or	Time Discharge	CSC M or	Outfall Event Duration	No.	041 Event Discharge	M	Time Discharge	CS M or	SO Outfali Event Duration	М	Event Discharge	
Day of Beg North Beg 1 2 3 4 5 5 6 6 7 8 8 9 10 11 12 13 14 15 2:05 16 17 18 19 20 21	ime charge egan	M	Event Duration (Hours)	M	Event Discharge	or	Discharge	M	Event Duration	M	Event Discharge	or	Discharge	M	Event Duration	M	Event Discharge	or	Discharge	M	Event Duration	М	Event Discharge	
Day of Beg North Beg 1 2 3 4 5 5 6 6 7 8 8 9 10 11 12 13 14 15 2:05 16 17 18 19 20 21	charga	or E	Duration (Hours)	or	Discharge	or	Discharge	or	Duration	10	Discharge	or	Discharge	01	Duration	or	Discharge	or	Discharge	or	Duration		Discharge	
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City:	City of So	outh	Bend										Page 9	of	11		, and a	≥eπ	nit Number:	IN	0024520	_		
acility:	South Be	nd l	Municipa	ıw	WTP									P	ublic Not	ifica	ition Requ	iren	nents Met?	Υ		U.	11	
Monitor	ing Period		Decem	ber	2024					8.					Chec	k b	ox if no C	so	discharge	oc	curred fo	or th	e month:	
Design	Peak Flow	(Ho	ırly) (MG	D):	77		Design Fl	OW	(MGD):		48		Measured/	Met	ered (M)	or E	stimated (E) m	ust be spe	cifie	d	L.		
		cs	O Outfall	No.	044		12 72 1	cs	O Outfall	No.	045			cs	O Outfall	No.	048			C	SO Outfall	No.	049	E
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E		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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National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO)

State Form 50546 (R3 / 7-13)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Day of Dis	Period:	Hour	Decemb	er)): No.	VTP 2024 77 060		Design Fl							Р	ublic Not	ifica	tion Requ	irem	ents Met?	Υ				
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City:	City of South Bend			9	Page: 11 of 11	Permit Number: IN0024520
Facility	South Bend Municipal WWTP				Public Notific	cation Requirements Met? Y
Monitor	ing Period: December Year:	2024	THE RESERVE OF THE PARTY OF THE		Check box if no	CSO discharge occurred for the month:
Design	Peak Hourly Flow (MGD):	77	Design Average Flow (MGD):	48		
Day or Month	Comments (further explan	ation as	to why each CSO event occurred)		
1 2						
3						
4						
5						
6						
7						
8						
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11						
12						
13						
14	Precipitation Event Observed Precipitation Event Observed					
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20	Precipitation Event Observed					
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26						
27	Precipitation Event Observed					
28 29	Precipitation Event Observed					
30	Prediction Event Observed					
31	Precipitation Event Observed					
Typed o	r Printed Name and Title of Printer	cipal Exec	cutive Officer or Authorized Agent			Telephone
Kim Tho	mpson Director of Wastewater					574-235-5969
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Signatu	re of Principal Executive Officer	or Author	ized Agent			Date (mm/dd/yy)
	K-Ing	7-				1-23-25

CSO Public Notification - December

Day of Month	Day of Week	Total Daily Precip. (inches)	CSO Discharge Volume (MG)	Notification Sent	Notes
1	Sun	121			
2	Mon	997	F		
3	Tue	127	2 1		
4	Wed	37.0	-		
5	Thu	0.11	0.00	YES	Notice Sent, But No Overflows
6	Fri	(4).	*		
7	Sat	- 20°			
8	Sun	-	-		
9	Mon	0.03	0.00		
10	Tue	*	-		
11	Wed		-		
12	Thu	-	-		
13	Fri	- 5			
14	Sat	0.18	0.06	YES	
15	Sun	0.34	1.03	YES	
16	Mon	0.13	0.04	YES	
17	Tue		-		
18	Wed	·	-		
19	Thu	0.02	0.00		
20	Fri	0.14	0.01	YES	
21	Sat		-		
22	Sun	190			
23	Mon		-		
24	Tue	*	×		
25	Wed		-		
26	Thu	0.01	0.00		
27	Fri	0.18	0.11	YES	
28	Sat	0.02	0.00		
29	Sun	1.58	16.43	YES	
30	Mon		-		
31	Tue	0.18	0.02	YES	

Notes

Average Daily Flow

Average value of 5-min WWTP flow data

Peak Hourly Flow Precipitation Duration

Maximum value of the rolling hourly average flow rate Time Precipitation Began First precipitation recorded between the six rain gauges Cumulative duration of all precipitation for the day

Total Daily Precipitation Peak Intensity

Maximum value of precipitation for all the six rain gauges 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

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.

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.

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